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EXTRACT

From an Act prescribing Rules for the Government of the State Library, passed March 8th, 1861.

SECTION 11. The Librarian shall cause to be kept a register of all books issued and returned; and all books taken by the members of the Legislature, or its officers, shall be returned at the close of the session. If any person injure or fail to return any book taken from the Library, he shall forfeit and pay to the Librarian, for the benefit of the Library, three times the value thereof; and before the Controller shall issue his warrant in favor of any member or officer of the Legislature, or of this State, for his per diem, allowance, or salary, he shall be satisfied that such member or officer has returned all books taken out of the Library by him, and has settled all accounts for injuring such books or otherwise.

SEC. 15. Books may be taken from the Library by the members of the Legislature and its officers during the session of the same, and at any time by the Governor and the officers of the Executive Department of this State who are required to keep their offices at the seat of government, the Justices of the Supreme Court, the Attorney-General, and the Trustees of the Library.

O. M. CLAYES, STATE PRINTER.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, JULY 2, 1864.

VOLUME IX. Number 1.

THE LESSON OF THE HOUR.

There is a vast difference between legitimate mining and the system of stock jobbing so prevalent at the present time in this city and elsewhere. The former lies at the foundation of all industrial interests. Neither agriculture, manufactures, mechanics or commerce can exist without it. It is something legitimate, tangible. It is a real earth-delving, rock-smashing business. It has, indeed, its good and poor streaks; but when rigidly and intelligently managed, it produces as few bankrupts as any other calling. It constitutes the great industrial interest of the Pacific Coast, without which our valleys and rivers, our cities and towns, would soon fall back again to the desolation and silence in which they existed fifteen years ago. To decry legitimate mining is to invite into our presence bankruptcy and commercial ruin.

There is, however, a class of so called mining operations in our midst, which brings neither wealth nor happiness to our doors. Its direct tendency is to injure legitimate mining, and its results bring ruin to thousands. It unsettles men's minds by withdrawing their attention from regular business, makes loungers of laborers and villains of honest men. It brings into bad repute really valuable mining operations, and is ever a vile stumbling block in the way of those whom it cannot swerve from the straight-forward paths of rectitude.

What proportion of our joint mining stock operations may be classed as above we have no means of knowing. It is sufficient to know that such things do exist and have already been exposed. Swindling and thieving of every description are apt to be epidemic. When it is seen and known that one and another has been allowed to gamble and swindle in mining stocks—to salt claims and cook dividends for the purpose of effecting swindling sales—and when it is furthermore seen that those individuals are allowed to quietly enjoy their ill gotten gains, still retaining the respect, if not the confidence of the community; is it to be wondered at that men should begin to suspect and doubt one another, question the soundness of this company and that, until a perfect panic comes over the community? Not at all. When the law is lax, and the morals of the community so corrupt that these things can exist with impunity, we can expect nothing better than just such a state of things as we find existing to-day in San Francisco and throughout the Pacific Coast. It is the legitimate result of the forces we ourselves have set in motion.

If the law or public opinion had, in the incipiency of these things, been brought to bear with due weight upon such transactions as we have alluded to. If the "respectable insiders," who cooked up dividends, or the "enterprising superintendents," who bought or stole ore from a rich mine to salt a poor one, or who robbed the mine itself of all the rich ore from hundreds of tons of rock, to make a good show for a single crushing, so that they might sell out at a good round price—if these "enterprising" and "respectable" individuals had been made to feel a halter at the outset, Gould & Curry and other really valuable mines would not to-day have been selling at the ridiculous low figure at which they are quoted; and the entire community would not be trembling with fear least the bottom of all our mines should fall out.

There is no doubt but that the excitement of the past few months has run up many really valuable stocks to a higher figure than they could legitimately sustain, and that in the reaction many of our honest citizens and hard working, industrious mechanics, who had invested their all in stocks at these high prices, have suffered terrible losses. Others have been completely ruined by investing in merely swindling issues of stock which never possessed a shadow of value.

It is to be hoped the community will profit by the lesson which is now presented; and that our noble Pacific Possessions, rich in inexhaustible treasures, deep burried beneath her soil, will shake off the vile incubus by which she has been brought so near to the verge of ruin, and stand forth once more in her proper position as a nursery of honest toil, where the laborer is sure to reap the legitimate reward of industry and perseverance.

The bubble, we trust, has fairly burst. The sufferers are many; but the real, substantial mining interests of the State are as sound and lasting as ever. The constant influx of bullion, and the steady out-flow of machinery from this city, notwithstanding the panic that is upon us, fully attest the stability of our mines.

The ups and downs of stock on Montgomery street, in times past, have really had very little to do with the success or non-success of properly conducted mining operations. Let us hope that the days of excitement and swindling issues of mining stocks have passed. If our mining interests are entrusted to such only as are capable and honest, we have nothing to fear. Mining, legitimately conducted, is as safe and honorable an occupation as any in which men can engage.

COPPER AND SILVER ORE.—A large lot of copper and silver ore was landed in this city, yesterday, from the Chrysopolis. We noticed upon the wharf some 300 sacks, and among them a lot of beautiful peacock ore from the Superior mine, Plumas county; also copper ore from Nevada and Amador counties, and silver ore from the Sheba mine, in Humboldt county, N. T. The transmission of ores is fast becoming an important item in our interior transportation business.

GOLD ON RUSSIAN HILL.—It is said that several *chispas* or gold specimens, have been dug up, within a few days, by some workmen excavating for the foundations of a new building on Russian Hill, in this city. The largest weighs a fraction over one ounce.

COPPER ORE.—Three tons of copper ore from the Newton Lode, Amador county, have arrived in this city, the past week. It is of a superior quality and goes to Europe, where it ranks as a first class article.

Election of Officers.

The following companies, at their recent meetings, have elected officers as follows:

CERRO MORENO G. & S. M. CO.—Meeting June 27. Trustees, M. S. Martin, C. L. Taylor, E. M. Turvy, F. E. Turner and S. W. Collins. The Board of Trustees subsequently elected the following Officers: President, M. S. Martin; Secretary, C. V. Hobart; Treasurer, C. V. Hobart; Superintendent, S. W. Collins.

WYANDOTT M. CO., Amador Dist., N. T.—Meeting, June 28. Trustees, C. Anderson, J. L. Thurber, W. Augs. Knapp. No Trustees' meeting for the election of Officers has been held up to the time of our going to press.

DANIEL WEBSTER G. & S. M. CO.—Meeting June 29. Trustees, David Hunter, Charles Stott, E. H. Gates, Alex. Stott and C. E. B. Howe. President, David Hunter; Secretary, Alex. Stott; Treasurer, Charles Stott; Superintendent, Alexander Laird.

GOBERNADORA S. M. CO.—Meeting June 20. Trustees, Geo. C. Waller, R. G. McClellan, W. A. Abbott, J. Brazer, T. Prince. President and Treasurer, Geo. C. Waller. Secretary, C. W. Haydeu. [Corrected.]

MINING IN SOUTHERN SIERRA.—Mr. A. R. Bishop has exhibited to us some fine specimens of ore from the Occidental and Cox ledges, in Alleghany district, Southern Sierra. Upon the former a tunnel has been run in, from which has been taken about 100 tons of rock, worth, judging from working tests of similar rock from the same vein, about $100 per ton. From the Cox ledge about 150 tons have been taken out, worth, by estimates made from careful assays and prospects, from $60 to $150 per ton, exclusive of specimens. Mr. B. has recently sold a controlling interest in these two claims to a party of New York Capitalists, who will proceed immediately to erect a mill upon the property.

In the same neigborhood is the Alsop company's claims, located on five different ledges and upon which five tunnels have been driven, each of which has struck its vein and brought to light a large amount of rock. This rock also looks and prospects well. These mines are located in the midst of a very rich quartz mining district, which is being rapidly developed. They are most favorably located for working, being capable of a natural drainage of from 500 to 1,000 feet, by running tunnels from the river level.

NEW MAP.—We have received a map of the Forest Home and Willow Springs Copper Mining Districts, Amador county. This map embraces quite an extent of important mining territory, and will be found especially serviceable to all parties interested in the mines of that region. The map may be found at Pfeiffer's Drug Store, corner of Post and Dupont streets.

A new gold mine has been discovered near Yarmouth, in Wales. It is said to be rich in the precious ore.

THE MECHANICS' FAIR AND PAVILION.—Work upon the pavilion for the Mechanics' Fair is progressing finely, and has already assumed an extent and shape indicative of its future proportions. The edifice, when completed, will cover three quarters of Union Square, which comprises an entire city block. Information from the interior and evidences in this city still continue to indicate a most flattering success as the result of the enterprise. The benefits resulting from such exhibitions are now fully conceded, and all interested appear eager to embrace the opportunity thereby offered to bring their improvements and inventions into more general notice.

The grouping together of discoveries in science and art, in mechanics and manufactures, besides benefiting the inventor and pleasing the eyes of observers, also affords a most admirable study for those skilled in arts, the benefits of which are not lost even during the long recess of a year, or may be years, between the periodical exhibitions. They serve most admirably to excite invention and stimulate discovery. Their influence is always for good, and never pernicious.

SPLENDID MAP.—The day before the sailing of the Uncle Sam, we saw at the studio of Mr. Mansell, No. 422 California street, a splendidly executed map of the Owens River Mining Country. The map was of mammoth dimensions, some six by eight feet in size. It was executed by Mr. Mansell in the best and most approved style of the draughtsman's art. It was ordered by the Owens River Canal Company, and was sent to New York on the Uncle Sam. The New Yorkers will have a most excellent opportunity of studying, to the minutest geographical point, the geography and topography of Owens River, and Mr. Mansell will have the honor of introducing to their notice one of the most elegant specimens of map drawing yet produced on the Pacific Coast.

ST. IGNATIUS COLLEGE.—The exercises connected with the fifth annual commencement of St. Ignatius College commenced on Tuesday last and closed with an exhibition last evening. This exhibition proved one of the most excellent and interesting which has ever taken place in this city. Premiums were distributed last evening among those students who have most distinguished themselves in their studies during the past year.

I. O. OF O. F.—The following is the list of officers for the San Francisco Lodge for the ensuing term: Noble Grand, H. B. Sheldon; Vice Grand, Lucke H. Perkins; Recording Secretary, William Bartling; Permanent Secretary, Harry F. Swain; Treasurer, Henri J. Hellman; Trustees—Philo White, P. G. R., Henri B. Brooks, A. C. Waitt.

THE NYE COUNTY NEWS.—We have received the first number of the "Nye County *News*," a new paper published at Ione, Nye County, N. T., by Messrs. Groot & Eckley. The paper presents a very fair appearance, and is well filled with valuable matter, a large portion of which is well digested mining intelligence.

OUR NEW VOLUME.

With this number we commence a new volume of the Mining and Scientific Press, entering the fifth year of its existence. The Press may now be considered a fixed institution, and its proprietors look forward with high hopes of a prosperous future. We have not reached our present position, however, without a struggle; but we are satisfied with the reflection that by dint of perseverance, strict application to business, and a straight-forward course, we have been enabled to place the Press among the most useful and widely circulated journals upon the Pacific coast. In accomplishing this we owe much to the activity and kindness of friends, and very much to the friendliness of the interior journals, in making kindly and honorable mention of our efforts to place before California readers a paper worthy to be accepted as the representative of the great mining and mechanical interests of the State.

The paper has been enlarged and improved, from time to time, to keep grateful pace with its growing prosperity. To-day we make another step in this direction, and present the Press in an enlarged and greatly improved form. It will be our aim to continue it, as heretofore, a medium for communicating whatever may be new and useful in Art, Science and Invention, and an active organ and exponent of the great mining interest of the Pacific coast. Our means of giving it efficiency, interest and usefulness were never better than now. Able writers have been and will continue to be employed to contribute to our various departments, and reliable correspondents will continue to keep our readers posted as to what is transpiring in the various mining districts throughout the State and adjoining Territories.

Whatever we may find new or of interest in science or the useful arts, or in the field of discovery or invention, we shall hasten to lay before our readers. To everything relating to the industrial interests of California, or which may be embraced within the Pacific field of observation, we shall pay especial attention. In scientific matters, although we have not the field enjoyed by similar publications in the Atlantic States and Europe, we can nevertheless show that Californians, in proportion to their population, are not a whit behind any other people on the globe in new mechanical inventions, or in new discoveries in all the various branches of science and art.

Inventors will ever find us ready to do whatever lays in our power to assist them in their efforts both to bring out and to introduce to public notice their various inventions. The Patent Agency connected with this office presents by far the most favorable opportunity of which inventors can avail themselves on the Pacific coast to secure patents or file caveats.

The chief end which will be kept in view in the editorial management of the paper will be the dissemination of useful information and intelligent opinions deduced from ascertained facts and transpiring events. It is the duty, as well as the pleasure, of all intelligent minds to grow wiser as they grow older, till the faculties cease to contribute to the understanding. The present is most emphatically an age of progress, and at no other period has Nature thrown open so many avenues to the temple of her mysteries. The great secrets so long held within her closed portals are being fast brought to light. It is our humble mission to communicate to our readers these secrets, discoveries and inventions as fast as they are brought out. We shall endeavor not to fail or grow weary in our self imposed task. To work is a common lot; to be useful is an honorable aspiration within the reach of all; to be content is a blessed reward which all should desire. We are content with the present, but confess an ardent aspiration to render the Press in future more and more worthy of the prosperity which has smiled upon its past. To secure such an end, we shall continue, as heretofore, to work without ceasing.

A novelty in the way of celebrating has been secured at Nevada. On the Fourth of July a young lady is to read the Declaration of Independence.

"FOOTPRINTS" OF THE NOTORIOUS J. SILVERSMITH.

Under the heading of "Marks of a California Jeremydiddler," the *Bulletin* produces the annexed copy of J. Silversmith's circular, which, to those who are at all acquainted with the over-dressed, curly, he-scented, oily tongued, slimy and slippery author, appears decidedly natural and highly amusing. As an illustration of the universal detestation of this individual, we have only to say that out of all his old patrons, we have yet to meet the first one to speak a word in his favor. It is surprising to observe how long an illiterate, dandified dodger, without honesty on common sense, can be calmly tolerated in community. We are happy to say that Silversmith's connection with this journal is not of very recent date (Mr. Ewer having purchased the entire office some two years since) and neither of the present proprietors or attachees of the Press ever had any business or other associations with the renowned Silversmith. Several newspapers and correspondents have apologized for Governor Nye, signifying their disbelief that he ever gave the recommendation to the President, contained in Silversmith's circular, but, from the fact that the said Governor sent a *special message* to the last legislature of Nevada Territory, recommending an appropriation by that body of $5,000 to Silversmith for his book, we don't believe Julius is guilty of any forging or drugging in that case. Speaking of drugging reminds us of another affair in which our galvanized subject was accused of seducing (by chemical process) a Washoe widow, in this city. Whether truthfully arraigned for the act or not, it is nevertheless a fact that the hero of the rumor received a severe "whaling," and carried the marks of the same upon the steamer which bore him (with very mild opposition) from our shores, under the reported name (in the published list of passengers) of "J. Smith." Here is the circular:

New York, May, 1864.

Sir.—The subscriber, a graduate of Freiburg, Saxony, in Germany, for the past fifteen years an explorer in the Pacific States, namely, California, Oregon, Washington Territory, Idaho Territory, British Columbia, Van Couver's Island, Nevada Territory, New Mexico, Lower California, and Mexico, by profession a Geologist and Mineralogist, also the author of several publications on the Metallic and other Resources of these States and Territories, hereby offers his services to the public, being prepared to give reliable, and *important information, facts* and *data*, relative to the leading Mining Districts, Companies and Corporation, situated in the above States; also, valuable *opinions, data, statistics* and *suggestions* relative to Colorado Territory and its mines. The subscriber is actuated by various motives in presenting an opportunity to the interested public to learn these facts, the one most important is, to guard the purchaser against worthless, or what is better known as "Wild Cat" stocks, with which the mining share market is now inflated; by which source many innocent persons have been duped: on the other hand, giving such facts and figures of meritorious mining concerns as have and may prove a safe investment. The subscriber is well versed in the geological features of the above Territories and States, and personally examined all the leading mines therein, he is now engaged in the publication of an official work both for California and Nevada Territory, entitled the "Metallic and Agricultural Wealth of the Pacific States, etc.," including Mexico and Colorado Territory, the title and prospectus of which will shortly be presented to the public. This work will contain valuable information of the modes for extracting precious metals from their ores, mining in the Pacific States, statistics, etc.

The inquirer will be particular in giving the names of the districts, companies, where located, number of shares therein, when and where incorporated. The subscriber takes pleasure to append herewith one of the many letters of introduction from a well known and most respected citizen of New York, now officiating as Governor of Nevada Territory, to the President of the United States, also a few valued and prominent gentlemen as special references.

Respectfully, your obedient servant,

Julius Silversmith,

Commissioner for California and Nevada Territory, late editor "Mining and Scientific Press," San Francisco, author of "The Metallic and Agricultural Wealth Pacific States," "Miner's Companion and Guide," Corresponding Member of the Scientific Association of California.

Address Box 5,576 P. O., or Office, No. 28 Pine street, with James M. Miller, Mining Stock Broker.

N. B.—The subscriber is also prepared to draw up articles of incorporation for new Mining Companies and incorporations in compliance with the general and local laws, rules and regulations, and will pay special attention to giving reports, analyses of ores, and the products of any special districts or mines in the above States. Analyses, Assays, Tests of Ores and Minerals carefully prepared. Advice will be furnished, with estimates for opening and working mines; the nature of machinery for reduction and extraction of metals, in accordance with the nature of the ores existing in such mine or district; and what is more important, of all valuable metallurgical processes, will be furnished in such reports, giving the experience of over twenty years in that branch.

Abstracts of Titles of Mines and Land claims carefully prepared, and guaranteed to be from the official records, within any of the above mentioned States and Territories.

LETTER FROM GOVERNOR NYE TO PRESIDENT LINCOLN.

Executive Dep't, Carson City, N. T., September 18, 1863.

To the President of the United States—Sir—This will be handed you by my friend Mr. Silversmith, who is engaged in the publication of a work very important to us on the western coast—equally as to the whole country. The work will supply a demand that is much needed at present, viz: reliable information in regard to our mineral and agricultural productions. To our own people it will be invaluable. To people of other countries, information that will induce a large emigration. If you can give him encouragement, it will be highly appreciated by a loyal people on this side the continent.

With considerations of the highest esteem and respect, I am yours,

James W. Nye.

References—Gov. F. F. Low, California; Hon. John Conness, U. S. Senator, Washington, D. C.; Hon. Thomas Shannon, M. C., Washington, D. C.; Messrs. Hecht Bros., 405 Broadway, New. York.

Preserve this circular for reference.

[Original]

About the Idaho Mines.

FROM A PRIVATE LETTER.

We are permitted to extract the following paragraphs, descriptive of the Idaho country and its mines, from a recent letter written by an excellent typo who formerly resided in this city. He left Reese River last winter and traveled via. Salt Lake to Nevada, Idaho Territory. Our friend has turned practical "buggy driver," and consequently, as an honest miner, his words may be relied upon:

Having told you thus much about myself perhaps you would like to know something of my thoughts with regard to the country. As I know but little about it you will have to be content with that little, or seek information elsewhere. Nevada City, the place where I am now, is situated on Alder Gulch or Creek, a tributary of the Stinking Water, perhaps nearly midway between its source and where it flows into the latter creek. About two miles above here is Virginia City, the largest town in these parts, containing a population of 2,000 or 3,000. Higher up the Guleb is the Highland, a small town, and a mile or two below Nevada is what is called the Junction, another small town. Miner's cabins, tents, etc., are strung along the Guleh for perhaps ten or fifteen miles. Alder Guleh is a flat, wide ravine, and may perhaps be twenty miles in length, all of which is claimed, and part of which is paying very well.

The gold is found on and near the bed-rock (in some places clay—in others a sort of slate) in the creek, and as the bed-rock is from ten to twenty feet deep, it is necessary to strip off the top dirt from five to ten feet, which makes it very expensive working the claims. The pay-dirt is run through short sluices (from four to six lengths of twelve feet boxes) and the tailings have to be shoveled from the races to prevent flooding those below. The pay-dirt here is very easily washed, as it is generally gravel and sand, though I understand there is much clay up near the head of the gulch. The gold appears to be of a good quality as it passes readily for $18 per ounce here, though I have heard it will not coin so much. There are some high "bars" along the guleh that pay very well, and in these most of the work was done last season. Though some of the claims near this town are paying well, it is generally conceded that the richest ground is above here. I have heard of one company that "cleaned up" $502 in less than a day and a half, and they suppose they have just struck one corner of the rich "streak." It is nothing unusual to see from $100 to $200 cleaned up from a day's run. Up at the Summit the pay-dirt is from fifteen to forty feet deep, and many of the miners drift instead of stripping to work the pay dirt. Good claims there pay $100 to the drifter per day. The wages for good drifters is $9 or $10 per day. 'Tis disagreeable and dangerous work, as the gravel overhead is loose and wet.

Gold-dust is the principal currency here, as there is very little coin, and "greenbacks" pass for about 75 cents in trade. There are a few other ravines that contain gold, but nothing very rich has been struck so far as I can learn; though I have heard some Munchausen stories about Willow Creek, a tributary of the Madison, I believe one of the three streams that form the Missouri. Willow Creek is about thirty-five miles from here, in an easterly direction. Stinking Water, as I understand it, flows into Beaver Head, which is a tributary of the Jefferson, another fork of the Missouri. Where I now am is supposed to be about 450 miles to the northward (and I think some easting) of Salt Lake. The distance to Fort Benton is said to be about 250 miles. The climate here appears to be somewhat variable, as the "oldest inhabitants" asserted, about the time of my arrival, that "it never rains in this country" but to my certain knowledge it has rained *some* since I have been here. During the month of May it snowed several times and the weather was bitter cold—so much so that a mad wag of my acquaintance said one day that he had "often heard of that favored land where May and December were alike, but he had never before believed there was such a place." The hills in sight are now clothed with a beautiful green mantle, and the herds are getting as sleek and round as a stock-fancier could desire. Though not as heavily timbered as California, by far—still there is some fine spruce here. Agriculture is being tried to some extent, this season. Some of the land seems rich enough to produce well if the season is not too short. I am told that Bitter Root Valley (about 150 miles from here) produces grain and vegetables.

People are flocking in here very fast from the States, though some don't stay long. Trains are rolling in loaded with goods, and I heard of a man to-day who passed some 500 wagons between Missouri and here. Occasionally a stampede takes place, and ponies and saddles go up to high figures and away rushes the crowd. Soon they come straggling back and stock falls again to a low figure. The most of the supplies for this section have been drawn from Salt Lake, though some few articles come from Oregon and some from the States *via* the Missouri River. This season much is coming the "plains across" on wagons. Flour (a poor article) was selling at $35 when I got here; it is now selling from $20 to $22 per hundred. Bacon varies according to supply—has sold at 65c.@1.25; butter $1.50 @2.25; coffee 80c.@$1.00 and quite generally at corresponding rates. Tools are high—shovels $6@12; picks $5@7; miners' boots $12@15. [The paper on which I am writing (common ruled foolscap) cost me about 4 cents a sheet, which may account for my filling it up so.]

Bannock city is about sixty miles from here in a northwesterly direction. I have not been there, but I am told the mines are not so rich as those here; though they have many good quartz ledges. I understand there have been some few ledges found up at the Summit, but I have not seen them and cannot speak of them further. My theory is that this creek received its gold from ledges crossing near its head, and I believe good ledges will be found there. If I had not been so much amongst quartz for the last two years, I might look for them, but I am not "on it" just now. The people here are mostly from Colorado and the East, and are widely different from the people of the "West."

Depth of Coal Beds.—Heath's mine in Virginia is represented to contain a coal bed fifty feet in thickness: a coal bed near Wilkesharra, Pa., is said to be twenty-five feet thick; at Mauch Chuck is a coal bed forty to fifty feet deep, and in the basin of the Schuylkill are fifty alternate seams of coal, twenty-five of which are more than three feet in thickness. In Nova Scotia is a coal formation fourteen hundred feet deep, and containing seventy-five alternate layers of coal. The Whitehaven coal mine in England has been worked twelve hundred feet deep, and extends a mile under the sea, and the Newcastle coal mine in the same country has been worked to the depth of fifteen hundred feet, and bored to a similar additional depth, without finding the bottom of the coal measure.

According to the Oregon papers the people of that State are determined to have railroad communication with California. The survey for the Oregon portion of the work is proceeding rapidly and satisfactorily and a pass through the Calipooia mountains has been discovered which will reduce the cost of the construction of the road about one million dollars below the original estimate.

IRRIGATION---PRACTICAL AND ECONOMICAL.

The drouth of the present season is causing much attention to he given to the subject of irrigation; especially is this the case in Stanislaus and Calaveras counties. Artesian wells have hitherto been looked upon as the chief sources to which the farmers of the San Joaquin and Sacramento valleys should look for a supply of water for irrigation. Experience, however, has proved that they are entirely inadequate to the need, and that whole rivers can and should he diverted from their natural channels for this purpose. The Stockton *Independent*, editorially and through its correspondents, is doing much to arouse public attention to this important matter. A late number of that paper very truly says that a canal of sufficient size to conduct water enough to irrigate a strip of land two miles wide along the eastern and high side of the San Joaquin valley would have been worth a million of dollars this year alone. Were a system devised by which the ground could be moistened at such times as the crops were languishing in consequence of the arid state of the soil, that valley would be the granary of the State.

The efforts of Capt. Weber, of Stockton, the past season, have done much, by their complete success, to prove the utility and practicability of a general system of irrigation. Such a system, conducted on a scale of sufficient extent to allow of its benefits to be made generally available, could not fail to be profitable, as an investment, while it would fully double the value of nearly all the agricultural land within reach of its advantages. Even in ordinary seasons the crops would be greatly improved, while in such seasons as the present, its benefits would be almost if not quite equal to its entire cost. It appears to us that it would be a much surer and more profitable investment than mining ditches—as much more as the agricultural resources of well watered soils are to the ephemeral yield of all descriptions of placer mines. The benefits to be derived from such a source are as wide spread as is our population. Every man, woman and child, in the State, is at this time paying a daily tribute, as a penalty for our remissness in this particular, to be measured by little less than the difference between the present high price of provisions and produce consumed, and the prices at which the same commodities are furnished in seasons of ordinary prosperity. Among the many cases which might be cited to prove the advantages of irrigation, we instance the following from a late number of the Stockton *Independent*:—

How Irrigation Pays.—We know of a farmer in this valley who, by irrigating his land this season, has raised enough hay to pay off a mortgage of $1,500 which has lain against his farm for several years, and also to pay up all his other indebtedness and have seventy-five tons of hay to spare. This he has done while the opponents of irrigation near him have no crop at all. The load of care and depression in consequence of debt had become almost unbearable: but one year of irrigation has swept off all obstructions to cheerfulness and placed the man and his family in easy circumstances. He has great faith in the virtue of irrigation, and is not likely to be induced easily to forego the future use of water as a fertilizer.

Mining Machinery.—The Yosemite took up the river on Saturday last a very large lot of mining machinery for the interior. Included in the lot were two boilers, one for the Omega, and the other for the Minerva mining company, of Gold Hill—each weighing 6,747 lbs., These boilers were made by Coffee & Risdon of this city. They are for raising rock out of the lodes. A steam engine, made by Goddard and Co., of the Pacific Iron Works, for the Hale & Norcross company, went up at the same time. Also six amalgamating pans of the Hepburn & Peterson patent. The amount of mining machinery now going forward is said to be fully as great as at any former period. The panic among the brokers and mining speculators don't seem to have much effect in disheartening actual mining operations.

Stories have been set afloat that A. J. Butler, who lately died in New York, left an estate worth $2,000,000. The executor makes oath in Court that it does not exceed $200,000.

Plumas County.

A private letter from an esteemed correspondent at Taylorsville, enclosing a check for $50 for new subscribers to the Press, says—"The Smelting Works at Genessee, which are about five miles from this place, will start up some the first of September. They will commence on ore from the Cosmopolitan mine. I send you a very small sample of one class of ore from this mine. [The ore, which consists of a fair quality of copper sulphurets, has been received—Ed. Press.] There are ten feet, and nine inches of this kind of ore, perfectly free from anything else. Then comes five feet of black oxydes, mixed with native copper, and then more of the same kind of ore that I send, of which the company have seven feet in sight and are not through it yet. A few days since a ledge was discovered within a stone's throw of town, almost, with indications as good as the Cosmopolitan, with the same class of ore. If copper is valuable, Plumas county is rich. If copper is valueless, why then we have gold enough to place Plumas in the front ranks of mining counties.

The Copper Smelting Works are being put into operation through the enterprise and liberality of Messrs. Blood & Bolinger, who are large owners in the Cresent Co. Mr. Blood being President, and Mr. Bolinger Superintendent. Mr. J. C. Chapman is Superintendent of the Smelting Works, he having been Foreman for the Merrimac Co. of St. Louis, Mo., for several years. He asserted that he could smelt the ore, whereupon Messrs. Blood & Bolinger advanced the money for the work, saying that they had made their money here, and thought it no more than right to expend some of it in the same place; but it will not surprise me to see their investment in copper equal their gold mine.

The quartz mills in this section are doing remarkably well at the present writing and the different ledges are looking better than ever.

Wishing you every success in your enterprise, I remain truly yours." *

Brown's Valley—The Alleged "New Theory."

Messrs Editors:—In your issue of the 11th, you alluded to an article in the Marysville *Appeal*, respecting a "New Theory" recently introduced in the working of some of the mines in this Valley. In the *Appeal* of the 14th, I notice the "New Theory" explained, by a correspondent, (D). I cannot learn from any of the miners employed in the mines alluded to that any change has taken place in the method of working those mines. This new theory was generally supposed to have had reference to the *reduction of wages*, from three and a half to three dollars per day. I have listened while miners at work in the Pennsylvania and Jefferson mines have read "D's" letter in the *Appeal*. They all declared that they could not understand its meaning if it contained any.

I have had twenty-five years experience in mining, on almost every kind of ore; the last thirteen years in Quartz mining in this State. This new theory (so called,) has been practiced by practical and scientific mining engineers for the past fifty years—viz: to take out the good, and leave in the poor or worthless portions of the vein as pillars or arches to support the ground. This can only he accomplished by employing superintendents and underground agents, who are not only good practical miners, but in addition are well versed in mineralogy and metallurgy. With regard to the streaks or veins of rich quartz running through or crossing most of our main quartz leaders, I suppose that this means that there are rich "shutes" or chimneys dipping at certain angles lengthwise in the ledges—if that is so he is correct.

The Pennsylvania is a north and south lead, dipping east about 45 degrees, and Mc'Rule's workings prove that those rich streaks or shutes dip in a south east direction and not north east, as stated by "D."

[Our correspondent gives a detailed description of the works in the mine, which go to prove the correctness of his statement with regard to the dip of the rich pay streaks in the mine. Those details would not be of interest to the general reader. Our correspondent's assertion, we presume is all sufficient in this respect.]

The new shaft on the Penusylvania mine is down thirty feet, the vein is small but prospects rich. A vein of quartz has come down from the cap, or eastern side of the shaft No. 2, which prospects much better than the main ledge—when those two veins come together it is not unreasonable to expect a decided improvement in the mine.

The company are working the mill on their own rock and expect in future to keep it regularly employed. It is contemplated to increase the number of men next month.

A rich under strata of quartz was found a few days ago in the Yuba claim. The quartz recently crushed yielded $17 00 per ton. This is considered a permanent, and eventually will become a profitable mine. The Sweet Vengeance, I am told, cleaned up for last week's run, between eleven and twelve thousand dollars. Minea.

Brown's Valley, June 20th 1864.

Wonders of Kentucky.—The geological formation of the country is singular. Ponds with no visible inlet or outlet are very frequent. Holes in the ground, called "sink holes," are very common, and some of these lead to the great caves which abound in this region. Boys pick up load stone from the ground at most points. Surveyors are very often troubled from this cause. "Sink holes" extend into the earth from ten to three hundred feet, with sometimes a spring or small stream at the bottom. Two of these near Mumfordsville, excite a good deal of curiosity. One, on an eminence called the Frenchman's Knob, has been descended two hundred and seventy-five feet without discovering any indications of a bottom. Another near the town, is some seventy five feet in diameter at the top, inclines like a funnel to the depth of thirty feet. At this point is an aperture twelve feet in diameter, leading to unknown depths below. A stone or rock cast in returns no sound indicative of having found bottom. Near the same place is a spring that rises some twelve inches at noon every day with as great regularity as the sun passes the zenith.

Irrigation, has proved so profitable when it has been tried, the past season in some of the lower counties, that, according to the Sacramento *Bee*, it is now proposed to turn the rivers on to the main land for the purpose of general irrigation. When the canal of the Folsom Manufacturing Company is completed its waters can be made available for purposes of irrigation, after being used for manufacturing purposes. A large section of territory in Sacramento county could be thus irrigated and made immensely valuable for agricultural purposes.

Consolidated.—In Unionville, N. T., June 4, 1864, by T. J. Hadley, J. P., W. A. Holcomb to Emelie C. Whitney—all of Unionville.

Our friend Holcomb, who is County Treasurer of Humboldt, it seems by the above, has now a double treasure under his faithful guardianship.

Fire over a Mine Shaft.—The Reese River *Reveille* says that a fire recently broke out in the house over the Del Monte Mining Shaft, and before it was extinguished two men in the shaft were nearly suffocated by the smoke from the falling timber.

Quartz Mill Burned.—The quartz mill of B. B. Layton, at Union Hill, two miles east of Grass Valley, was burned to the ground a few days since. The fire was the result of accident. Loss $6,000—no insurance.

Decamped.—The Gold Hill *Message* is informed that D. D. Korn, late Secretary of Jewett and Shepard Mining Company, has proved a defaulter in the sum of about five hundred dollars of the Company's funds, and has left for parts unknown.

A Washoe Cannon.—The Virginia *Enterprise* says that an eight-pounder iron cannon is about to be cast at the Pioneer Foundry. This will be the first cannon ever cast in the Territory. Washoe, but a few weeks since, turned out her first steam engine, now her first ordnance is to be made. The gun is ordered by Governor Nye, and will be four and a half feet in length, with a bore of three and a half inches. It will be quite a formidable barker.

The Lake Superior Mines.—Private letters at New York from Lake Superior, state that matters among the Lake Superior copper mines are in a very active and prosperous condition, so far as the appearances of the mines and the prospect of extended operations are concerned. The most serious inconvenience experienced is the great scarcity of laborers, which, if some means are not soon adopted to counteract, may result in the stoppage of some of the larger and deeper mines, as the men dislike working in deep mines, though they may be dry, the fatigue and danger being much greater than in new and smaller mines.

CALIFORNIA.

Mining in Nevada County.—At Moore's Flat there is now more mining being done than for several years past. Every man in the place who wishes work can obtain it. Those claims which are being worked are generally paying well, and there is yet a large range of country around the town unprospected. At Columbia Hill and North Bloomfield not much is being done on account of the scarcity of water, San Juan is now quite a lively town. Seven companies are at work upon San Juan hill, and several more are almost ready to start. The companies now in operation use about 3,000 inches of water per day, and all are paying well. The gravel diggings around the town will last for years. At Manzanita Hill, a mile or two below San Juan, the claims are also paying well. The American, after a run of nine days, cleaned up $7,000. Several other companies are also at work upon this hill with like success.

The Merrimack lead, just back of the Glenbrook Race Course, between Grass Valley and Nevada, says the Nevada *Gazette*, has been a self-propelling institution from the start. The company did contract debts recently amounting in all to about eighteen hundred dollars, but recently they had a crushing of rock, which liquidated all old scores, and left about a thousand dollars in the treasury. They intend to proceed immediately to put up a mill and hoisting machinery, and expect to declare dividends before long. They consider the Merrimac about as good a thing as there is in the country.

REESE RIVER.

The Reese River *Reveille* says that the mining condition of the Reese River region is very prosperous, notwithstanding the panics abroad and croakings at home. The editor of that paper has recently paid an extended visit to the mines in Smoky Valley, and makes a most favorable report of their condition and prospects. Complaint is made of a lack of mills. A gentleman recently applied to one one of the quartz mills near Austin, to engage the proprietors to crush a large quantity of rock, and was told that it would be utterly impossible for them to do it, and furthermore that there was rock enough out now to keep all the mills busy for some time to come, and that all had engagements of as much as they could do. The same paper claims that the rousters which are now being put up by the mill men, will increase the yield of rock four fold.

Mr. Hawes is now building a saw mill just below the Oregon, which will be converted into a quartz mill as soon as they saw lumber sufficient to build it and get the necessary machinery.

The roasting furnaces belonging to Dorsey's Mill are about completed and the mill will be ready for business in a few days. They are built in the most substantial and workmanlike manner and when the mill gets to running regularly we may expect large yields of bullion from the rich rock they have to crush.

The process of "hand crushing" has been resorted to by certain parties with very profitable results. Their entire capital consists in a hand-mortar, and the rock from whence the silver is obtained is picked up about the surface.

Savage.—Work on the Savage is progressing finely. A lot of twenty tons of second class ore from this mine was lately crushed, yielding at the rate of $120 per ton. The company will have some of their third class worked, of which they have upwards of 100 tons raised and ready for working. It is expected that it will pay about $90 per ton. Their first class ore pays upwards of $1,000 per ton.

Nye County.—The *News*, just started in Ione, claims substantial advantages for this section over most other mineral regions of the Pacific Slope, by reason of a good supply of those necessary aids, wood, grass and water, so essential to the speedy and economical development of all mines and which are absolutely necessary to insure for this species of property a decided and steadfast value.

As an evidence of the value of the mines there, the *News* calls attention to the fact that Mr. George Hurst, of this city, a well known and extensive owner in many of the leading mines at Virginia City, an experienced miner and shrewd operator, has recently made a tour of observation through the mines, and not only awarded to them a high degree of excellence, but backed his opinion by extensive purchases. He has set men at work to take out some eight or ten tons of rock for transportation to Virginia City for reduction. If the results of this test equal his expectations, Mr. Hurst will proceed immediately to erect a mill.

Messrs. Brees & Co. are erecting two stamps and four arrastras on a stream about five miles from Ione, to be driven by water power. The works are nearly completed, and can readily be supplied with ores from the immediate vicinity. There is a considerable water power to be obtained from the streams in that neighborhood.

Prof. Silliman's Report on the Potosi Mine.

To Geo. C. Wickware, Esq., President of Potosi Mining Company:

Since the date of my previous report on the Potosi mine, I have had an opportunity to inspect the recent explorations, and to renew and compare my former observations—and beg leave now to present the results for your consideration—with some suggestions growing naturally out of the subject which I believe you will find worthy of your attention.

The mine on the 13th of June was explored to the depth of 360 feet, by the sinking of the engine shaft and driving drifts, and to the total depth of 368 feet at the then bottom of the winze at the end of the lower gallery south.

The ore ground in the engine cross-cut measured 79 feet in width, including two feet of the eastern clay wall, which is of good quality for ore and full of quartzose kidneys of vein charged with ore. Of this body 36 feet 6 inches are ferruginous quartz much fractured and crushed, carrying rich sulphurets of silver, and estimated to bo worth as a mass $80 per ton. Adjoining this on the west is a mass already described in my former report as the red quartz vein, filling the whole chamber and separated from the former mass by a narrow zone or vein of white quartz. This last seems to be all that remains of the great porphery mass (horse) of 94 feet in length already described as existing in the 300 feet level nbove. This is an extremely interesting fact, the practical value of which will be apparent in view of the discussions which have arisen respecting the true nature of these intercalated masses of porphery—whether they were to be regarded as vein matter or as intruded masses. In the Potosi they are all (of whatever size) so far as I have seen them, but fragments of the hanging or eastern wall and not to be distinguished mineralogically or practically from it. I think there can bo no doubt of their fragmentary character, not that they came into the chasm by force of gravity from the hanging wall. At all events the disappearance of the "horse' in your 360 feet level is certain and makes room for the opening out of a body of productive ground nearly 80 feet in width, which is almost exactly the width of the great chamber of the Gould & Curry at its widest development on the level of their lower tunnel.

You will see that the announcement, quoted in my former report (May 12th) from your Superintendent, of a body of ore almost 25 feet thick is quite within the limits of truth, as confirmed by subsequent developments. The farthest point south at which this body had been cross cut on the 13th was off the winze 80 feet south of the engine shaft, when it measured 34 feet 6 inches to the east clay wall, but its western limits were not exposed. A sample of the black sulphurets nnixed with white quartz taken overhead, midway the gallery going south yielded on assay:

Gold 9.72 oz.	value $20 6718	$200 92
Silver 328.60 oz.	" 1 30	427 18
Valno per ton		$628 10

I explored the bottom of the winze 368 feet from surface and 18 feet under the present level. It is sunk all the way in ore of moderate richness, being out of the white seam from which the previous sample came and which here goes to the east of it. From its bottom I selected a sample for assay, which gave the following results:

Gold 0.60 oz.	value $20 6718	$12 55
Silver 17.18 oz.	" 1 30.	22 90
Value per ton		$35 45

Indications were visible at tho time of exploration of the coming in of a rich seam of ore in the bottom of the 360 feet level. The clay in the eastern cross-cut had a dip of 70° east on the quartz seam, while on stripping the clay the eastern fluccan was seen to dip east at 50°, indicating the probability of a new zone making east. Since that time, as I learn from the Superintendent, a deposit of black sulphurets of silver has made its appearance in the bottom or floor of the drift at 360 feet level, extending about 70 feet north and south of the cross cut from the engine shaft. On cleaning up the floor to erect timbers this deposit was found to measure 17 feet and to have an assay value of $400.

Tho value of these timely explorations and discoveries can hardly bo over estimated as giving a sound basis for confidence in the future of the mine. They show, on the most moderate calculation of quantities, at least one full year's supply of ores between the 300 and 360 feet levels—laid open and easily measured—supposing the rate of production to be 100 tons of ore daily. The value of these ores is believed to be $80 per ton for the portion estimated. My former report showed the existence of a year's supply of good ores in the levels above the 300 feet station. Thus, without estimating the ground beneath the 360 feet level just named, or the low grade ores held in reserve, you have already explored and open to view probably a two-years' stock of ores. The wisdom of the policy which has led to this development is obvious even to those not well acquainted with the history of mining adventures. The fertile source of failure in such efforts being found in the neglect of timely works of exploration.

You may now proceed to erect mills for the working of your ores, assured that the mine will justify the expenditure, and you may with a good conscience commend the property as one of demonstrated value. An important element of value in the recent developments in depth and extent on your property, is in the effectual bar which is thus set to adverse claims, and in this view it is desirable as soon as circumstances permit to explore the extreme eastern and southern limits of your property, in ground now almost completely unknown. Mention has already been made in the former report of the explorations in progress in your southern shaft, which offer reason to hope that a new zone of productive ground will be opened at a point far beyond any now known to exist in that direction. This exploration should be pushed as rapidly as other work will permit—both in depth and by drift and cross-cuts at proper intervals—although it may at times look unpromising, it is only by such means that new discoveries can be made, while the cost paid out of the current income of the mine can hardly be felt, as the force required is small.

Allusion has already been made to the fact that the shoots of ore in the Comstock have, as far as observed, a southeasterly dip or trend. This is very conspicuously shown in the Savage mine, as may be observed by the least practical person on inspecting a map of that fine property on which the several "stations" are laid down in position, one above the other. It will be noticed that the great chambers are found at each succeeding depth to the south and east of their position in the former level.

This structure is plainly visible in the Potosi also, when in the "drain level" 248 feet east of the engine-shaft, measuring perhaps one foot, at 52 feet lower it measures four feet, and again at 60 feet lower it has become 25 to 28 feet thick. Indications of the occurrence of another such descending shoot have made their appearance in the cross-cut east on the drain level in the clay, but no explorations below have yet been made to determine its presence there. It is by the careful observation of such nice points of structure that the acute mine manager detects the presence of unexpected wealth and learns how to develop it.

PRODUCT OF THE MINE.

The quantity of ore sent to mills for reduction by the Potosi Mining Company from May 1st, 1863, to May 30th, 1864, was 20,673 tons. During May, however, the yield was 3,360 tons, and there is no reason in the condition of the mine why 100 tons daily should not be extracted. This is a very large quantity of ore and very few mines in the world are capable of yielding so much. Nothing would justify so large an extraction, but the almost fabulous abundance of second and third class ores in this portion of the Comstock lode, coupled with the fact that the wise policy of a fore-handed development has put the mine already in a position to show a two years' supply in advance. In this connection a few words will be in place on the

TRUE POLICY OF WORKING THE MINE.

There are two plans which may be followed in working a mine, to insure dividends after it is demonstrated, as in your case, that it contains an abundanee of ores. The first plan is to proceed with the policy of *a rapid extraction*, milling the ores on the best terms which can be made with custom mills—without a very close regard to the loss in the process—the object being an early return. The objections to this course are manifold but may be summed up in a word as a short sighted, if not a suicidal policy, tending to a rapid exhaustion of the mine, the waste of the large part of its ores and constant heavy loss to its stockholders.

The second plan is that of a moderate rate of exhaustion and the milling of its own ores by the company, with the obvious advantage of saving a large per centage of the metal in the ores, of retaining the tailings, which are a perquisite of the miller on the other system, and of gaining on the mine whatever profit there is in the process of milling.

The practical effect of the first of these two systems is well illustrated in the history of the Gould & Curry, to which I trust I may be permitted to refer without impropriety, as the facts used are those common to all who have interested themselves in such matters. They have extracted about 7,000 tons monthly, or 85,000 tons per annum—yielding an aggregate in round numbers of about $6,000,000. Of this large aggregate $1,500,000 has gone to the stockholders, leaving $4,500,000 as the cost of mining, milling and management, or slightly over $50 per ton costs. This statement makes no account of the loss in the tailings, which is probably 40 per cent. The tailings in the slime pits at the Company's mill are worth by assay over $130 per ton—only rich ores having been worked at this mill. As this Company divides the metal saved by custom mills with the millers equally, it is obvious if we put the cost of milling at $15 per ton, that these has been paid out in profits to millers more than the stockholders have received; the amount of dividends being about $17 50 per ton of the ores worked. This comparatively small nett sum is obtained only by the exhaustion of the mine at the rapid rate of 250 tons daily. Now it is easy to show that by the new policy now being inaugurated, a dividend of $150, and probably of $200 per foot can be made by working not over one-half of the amount of ores previously consumed. This is to be accomplished by the Company's extracting no more ores than they can work at their own mills, with an improved method of treatment. That such a result is quite practicable no competent judge can doubt, and at all events a few months will unquestionably demonstrate it to the satisfaction of all.

In your own case, you pay to the millers $25 per ton, obtaining from $75 ore about $50 value of which the mine obtains one-half. The following comparative statement shows the merits of the two systems, on the basis of 100 tons of ore daily, from which $50 per ton is saved:

Say 100 tons daily at $50		$5,000
Paid to mills, $25	$2,500	
Mining costs, $10	1,000	3,500
Benefit to the mine daily		$1,500
If the mine works its own ores the account stands thus:		
100 tons daily, $50 saved		$5,000
Mining and milling		2,500
Benefit to the mine daily		$2,500
The annual difference amounts on six days in the week to		$312,000
The tailings contain $25 per ton, on this estimate, of which it will be possible to save by some method, say one-half or $12 50 per ton, or		125,000
Total saving to the mine by working its own ores		$437,000

This estimate assumes the practicability of saving from the tailings one-half the metal they contain. This may be done in part by an improved method of milling and in part by the use of the Patio, which is now in process of testing by the Gould & Curry on their tailings.

In any case it does not admit of a doubt that the true policy of the mine consists in working its own ores, and holding a strict control by assay over every step of the process. Thus alone can the life of the mine be prolonged and the treasure contained in those bountiful gifts of nature, of which man is only the steward, rescued from loss and added to the grand aggregate of the world's resources.

In conclusion permit me Sir to congratulate you on the present position and prospects of the Potosi, which certainly challenges comparison with any other mine of equal size on the Comstock lode, and gives promise of a splendid future.

Yours, respectfully,

B. SILLIMAN, JR.

San Francisco, June 22, 1864.

TAPPING THE TRADE OF THE DALLES.—The *Mountaineer* sounds a note of alarm at the prospect of the mine-supplying trade of that place being diverted by enterprising Californians. It says it is informed by reliable parties that teams have gone through from Folsom, California, to Ruby City, Owyhee, in four weeks traveling time. The road is reported to be bad but in spite of obstacles, the trip through has been made in the time stated. Folsom is the terminus of the Sacramento Valley Railroad, and if teams can come through from there in four weeks, it may reasonably be concluded that California will share the trade with the Owyhee mines. There is no reason in the world why California should *not* control the entire trade of the Owyhee and South Boise mines, as the roads are both shorter and better than that from the Dalles.

AN interesting and pretty little girl, seven years old, was bitten, in Stockton, June 23d, by a dog in a private residence. The bite is a painful one, and will probably disfigure the child for life. The dog took her chin in his mouth, inserting his upper teeth in her upper lip, tearing it completely open from the nose down.

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

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ON THE FIRST OF JULY, 1864,

WITH

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REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

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Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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O. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

Mount Eden Mining Company—Owen Ledge—Gold Hill District, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 31st day of May, 1864, an assessment of fifty cents per share was levied upon the capital stock of the said Company, payable on the fourth day of June, 1864, in United States gold coin, to the Secretary, or to FRANK MORGAN, Superintendent at the mine.

Any stock upon which said assessments shall remain unpaid on Saturday the 2d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 18th day of July, 1864, to pay the delinquent assessment, together with costs of advertising, and expenses of the sale. By order of the Board of Trustees. H. B. CONDON, Secretary.

Office, No. 620 Washington street, (Room 3) San Francisco. 23-4t

The advertisement of Stock Delinquent on the above Assessment (No. 3) is postponed until July 9th, and the sale thereof is postponed until July 25th, 1864. By order of the Board of Trustees. H. B. CONDON, Secretary.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

A GREAT INDUSTRIAL FAIR!

—TO BE—

Opened in San Francisco,

—ON THE—

30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of the property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to forfeit it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE.
H. D. DUNN,	P. B. DEXTER.
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER,
E. N. TORRY,	W. H. BRYAN,
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 1

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of 20 cents per share was levied upon the capital stock of said Company, payable immediately in United States gold coin, to the Secretary, at the office of the company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. N. G. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 1-4t

Warfield Mining Company, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately to Thatcher Ross, Gold Hill, Placer County, or to the Secretary at the office of the Company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 22d day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. R. K. ALLEN, Secretary

Office, No. 16 Metropolitan Block. 1-5t

Caution.—All persons are cautioned against purchasing Certificates No. 43 for 20 shares, and No. 435 for 3 shares (unassessable) in the Great Consolidated Boise River Gold and Silver Mining Company, the same having been fraudulently obtained from the subscriber. Transfer of same has been stopped on the books of the company.

1 J. W. REED.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE.
Arizona, Cons., Eureka, 20c	July 30—Aug 13*
Amador Cons., Lander co., $4	Adv July 27—Sale Aug 8*
Aqlowall, Reese River, 50c	Adv July 15—Sale Aug 3*
Agamemnon, Inyo	Adv. May 26—Sale July 6*
Augusta, Augusta, 12½ cents	Adv. May 21—Sale July 25*
Augusta, Calaveras county, $1	Adv. June 28—Sale July 13
Alameda Coal, Alameda co., $1	Adv. June 25—Sale July 9
Armenia, Silver Mountain	Sale July 5
Apache Wide West, La Paz, 50c	Adv. June 27—Sale July 8
Acollo, R R	Annual Meeting July 4
Arbitros, Batopolis, Mex., $2	Adv. July 11—Sale July 23
Alhambra Hill, Summit, $1	Adv July 10—Sale July 23
Agawam, Nye County, $1	Adv July 25—Sale August 10
Alemania, San Antonio, $2,50	Adv July 21—Sale Aug 7
Armenia, San Bernardino co., $	Adv July 18—Sale Aug 6
Adelaide Cons	May 24—July 5
Alpine, Amador Dist. 25c	Aug 1—Aug 15
Beaver, Gold Hill, $1	Adv July 23—Sale Aug 8*
Bodie Cons., Mono co., 50c	Adv July 13—Sale July 25*
Bay State, Tuolumne co., $2	Adv June 11—Sale July 11*
Baltimore, Alpine co., 25c	Adv. June 25—Sale July 15*
Brooklyn, Reese River, 50c	Adv. July 2—Sale July 16*
Blue Jacket, Devil's Gate, 25c	Adv. June 27—Sale July 9*
Blue Dragon, Inyo, 20 cents	Adv. June 25—Sale July 2*
Brewer, Silver King, 15 cents	Adv. June 25—Sale July 7*
Black Ledge, Reese River, 50c	Adv. July 2—Sale July 16
Black Ledge	Annual Meeting July 4
Beach & Paxton, Virginia, $3	Adv. July 6—Sale July 23
Black Rock Ledge, R. R., $1	Adv. June 15—Sale July 2
Bajazett & Golden Era Cons., $5	Sale July 23 Virginia
Badger, Washington, 25 cents	Adv. June 11—Sale July 1
Ben Bold, Washington, 15 cents	Adv. June 24—Sale July 13
Baxter, $2	Adv. June 27—Sale July 15
Boston, Ohio, 50 cents	Adv. June 29—Sale July 12
Baltimore American, G. H. $5	Adv. July 1—Sale July 1
Beard & Seaver, R. R., 50c & 50c	Adv. June 2—Sale July 2
Buckeye, Devil's Gate, $1½	Adv July 9—Sale July 20
Beaver, $1	Adv June 6—Sale June 20
Beard & Seaver, R. R	Annual Meeting July 5
Bala California, San Antonio, 50c	Adv July 10—Sale July 20
Big Blue Lead, Coso	Annual Meeting, July 18
Blue Ledge	Annual Meeting July 4
Ben Franklin, Humboldt co., $1	Adv July 9—Sale July 23
Bear Track, 25c	Adv July 6—Sale July 23
Blue Ledge, R. R., 50c	Adv June 21—Sale July 6
Bamboo, Esmeralda, $2	Adv July 21—Sale Aug 2
Boyce & Reynolds, Gold Hill, $1½	Adv June 25—Sale July 2
Boston Copper, El Dorado	Annual Meeting July 5
Bodie, Lower Cal., $3	Adv. June 27—Sale July 15
Baltimore American	Annual Meeting July 23
Big Blue Lead, Tulare co., $1	July 28—Aug 10
Cavour, Lander co., 50c	July 30—Aug 17*
Cedar, Esmeralda, $1	Adv June 25—Sale July 6*
Copp, Humboldt, $1	Adv July 16—Sale July 30*
Constitution, Lander co	Sale July 13*
Coso, Tulare county, $1	Adv. July 2—Sale July 16*
Carroll, Reese River, 50c	Adv. July 2—Sale July 16*
Charter Oak, Santa Catalina	Adv. June 4—Sale July 6*
Chicago, Reese River	Annual Meeting July 4
Copp, Sierra	Sale July 9
Cosmopolitan, Gopher, 50 cents	Adv. June 18—Sale July 2
Coral, Amador, $3	Adv. June 27—Sale July 8
Caledonia, Gold Hill, $3	Adv. June 24—Sale July 5
Calaveras Iron Mt., Cornwall, 50c	Adv. June 28—Sale July 13
Comet, 10 cents	Adv. June 25—Sale July 5
Chrysopolis, Low Divide, 25 cents	Levied May 25
Circulo Gordo, San Antonio, $1	Adv. July 2—Sale July 14
Commercial, Santa Catalina, 10c	Adv July 2—Sale July 16
Commerce, R. R., 50c	Adv June 4—Sale July 9
Cox & Rose, R. R., $2	Adv. July 2—Sale July 15
Camargo, R. R	Annual Meeting July 5
Codicia, San Antonio, $2	Adv July 9—Sale July 22
Cold Springs, C. S., 20c	Adv July 7—Sale July 20
Comstock, San Antonio, $4	Adv July 13—Sale July 23
Cedar Hill, Virginia, 50c	Adv July 14—Sale August 3
Colorado, El Dorado Canon	Meeting July 13
Cloverdale, Cloverdale, 25c	Adv June 15—Sale July 16
Carlton, Weaver, 50c	Adv July 13—Sale July 25
Cox & Rose, R. R., $1	Adv July 12—Sale July 27
Cole, Virginia, 25 cents	Adv July 18—Sale July 30
Capital, R. R., 50 cents	Adv July 16—Sale July 30
Copp, Sierra	Annual Meeting July 5
Chicago & Detroit, Amador co 75c	Adv July 22—Sale Aug 6
Consolidated Amirim, Slate Range, $1	Sale July 6
Colombo, Gold Hill, 50c	Adv July 21—Sale Aug 3
Caledonia, Gold Hill, $1	Adv July 25—Sale Aug 5
Cortez, Lander co., $2½	July 29—Aug 13
Cinco Senores	Special Meeting, Aug 11
Cosmopolitan, Gopher, 50c	July 23—Aug 11
Copp, Sierra	Annual Meeting July 5
Columbia, Tuolumne co., $2	July 30—Aug 15
Chase & Cornwall, Amador Dist. 25c	Aug 1—Aug 15
Chipionera, Mex., $5	Aug 1—Aug 13
Dexter T. & M., R. R	Adv June 11—Sale July 11*
Delta, Lander co., 50c	Assessment Adv June 11*
Diamond, Santa Catalina	Adv. June 4—Sale July 6*
Diana, Reese River	Annual Meeting July 4
Dan't Webster, Devil's Gate, $1	Adv. June 25—Sale July 16
Daniel Webster, Sac., 2 cents	Adv. May 25—Sale July 5
Don Juan, Silver Mountain, 50c	Adv. June 25—Sale July 9
Diana, R. R., 50c	Adv July 5—Sale July 18
Dubuque, Galena, $1	Adv July 14—Sale July 30
Dacota, $1	Adv July 12—Sale July 27
Daniel Webster, Devil's Gate, $1	Adv June 20—Sale July 22
De Soto, Humboldt co	Sale July 13
Durand	Special Meeting Aug 1
Eagle Quartz, Amador county, $2	Adv July 23—Sale Aug 6*
Egery, Tulare co., 10c	Adv July 16—Sale July 30*
Empire, Reese River, 50c	Adv. July 2—Sale July 16*
Excelsior, Reese River District, 25 cents	Levied March 22*
El Tesoro, La Paz, Mex	Adv June 5—Sale July 5
El Tigre, $12	Adv July 8—Sale July 19
Ethan Allen, R. R	Adv July 11—Sale July 29
Echo, Gold Hill, $3	Adv. June 16—Sale July 1
Erie	Meeting June 30, Austin, N. T
Empire State, Contra Costa county	Assessment 10 cents
El Toro, Mex., $1	Adv July 16—Sale July 30
El Dorado, Virginia	Quarterly Meeting July 6
Eclipse, Sierra 50c	July 30—Aug 13
El Taste, Mex	Sale July 8
Forest Queen, Amador Co., 50c	Adv July 16—Sale August 1*
Fortune, Calaveras co., 50c	Adv July 23—Sale August 3*
Fork, Blue Mountain	Adv. June 17—Sale July 5
Flor de San Antonio, Mex, $1½	Adv. June 25—Sale July 7
Fairview, R. R., 25 cts	Adv July 2—Sale July 16
Fairview	Adv. June 1—Sale July 1
Fork, Blue Mountain	Annual Meeting July 5
Flor de San Antonio, Mex. $1½	June 25—July 26
Great Cons., Bolse	Canton*
Great Western T. & M. Co., Aurora, 25c	July 30—Aug 17*
Great Western T. & M. Co., Aurora	Meeting Aug 6*
Gobernadora, Lower Cal., 70c	Adv July 16—Sale Aug 1*
Good Return, Cons., Tulare $1	Adv July 16—Sale July 30*
Gertrude, R. R., 25c	Adv. July 2—Sale July 16*
Gold Rock, Calaveras co., 50c	Adv. July 2—Sale July 22*
Great Con. Tunnel, Virginia, 40c	Adv. June 13—Sale July 6*
Guadalupede Los Angeles, Durango, $1	Sale July 1
Gov. Seymour, R. R., 50 cents	Adv. June 25—Sale July 7
Gov. Seymour	Annual Meeting July 4
Good Hope, Alpine, 75 cents	Adv. June 4—Sale July 18
Great Cons., Bonze R., Placer	Adv. May 28—Sale July 16
Gold Hill Big Ledge, G.H., $5	Adv. June 30—Sale July 15
Good Rope, Alpine, 75c	Adv June 11—Sale June 25

Those marked with an asterisk (*) are advertised in this journal.

Gen'l. Hill, Summit, 25c | Adv July 16—Sale July 23
Guadalupe del Aguajito | Meeting July 18
Gen'l. Jackson, Devil's Gate, 50c | Adv July 2—Sale July 16
Gold Hill Tunnelling, Gold Hill | Annual Meeting July 16
Green, Gold Hill, 50c | Adv July 30—Sale Aug 1
Garibaldi, Aurora | Meeting July 11
Guasanara Chihua, Mex, $12 | Adv June 25—Sale July 11
Gold Hill, Sonora | Sale July 8
Golden Age & Empire, Esmeralda | Annual Meeting July 4
Garibaldi, Aurora | Annual Meeting July 6

Heidelberg, Marin co., 10c | Adv. July 9—Sale July 23*
Henry & Barnard, Weaver, 25c | Adv July 2—Sale July 15*
Highland Chief, Raymond, 25c | Adv. June 14—Sale July 2
Hartford, Gold Hill, $1 | Adv June 1—Sale July 15
Hale & Norcross | Adv. June 27—Sale July 16
Harker, R. R | Annual Meeting July 4
Hansel Silver, R | Annual Meeting July 4
Hornitos, Mariposa, $5 | Adv July 10
Hornitos, Hornitos $5 | Adv July 11—Sale July 23
Horton | Annual Meeting July 6
Hinckman, El Dorado co., $4 | Adv July 23—Sale July 30
Harris, Esmeralda | Annual Meeting July 5
Hallreck, Alpine co., 30c | Aug 2—Aug 22

Iowa, Esmeralda | Sale July 2
Independent, R. R., $5 | Levied May 6, Gold Hill
Independent, R. R., $1 | Adv. June 21—Sale July 9, Gold Hill
I X L, Silver Mountain, 50 cents | Adv. June 28—Sale July 16
Independent, R. R | Annual Meeting July 5
Indian Valley, Plumas co., 75c | Annual Meeting July 5
Iowa, Esmeralda, $ | Adv June 23—Sale July 12
Ida, Lower Cal, 50c | Sale July 29
I X L, Silver Mountain, 50c | July 7—July 25

J. J. Crittenden, R. R. 25 cents | Adv July 16—Sale August 3*
Joe Douglas, Reese River, 50c | Adv. June 18—Sale July 2*
Jo Lane, R. R | Annual Meeting July 5
Jefferson, R. R | Annual Meeting July 5
Julia, Virginia, 50c | Adv June 30—Sale July 13
J C Fremont, Sil. Mt. 4 ass'ts at 25c | Adv Aug 1—Sale Sept 1
Jewel, Devil's Gate, $1½ | Adv July 13—Sale July 25
Jewell, Gold Hill | Sale July 5
Jura, Gold Hills | Sale July 5

Kate Lamar, R. R | July 2—Aug 6*
Keokuk, 10 cents | Adv. June 25—Sale July 13*
Kentucky, Mine, Felix, 50c | Adv. June 23—Sale July 10
Kappa, Amador, 50c | Adv July 6—Sale July 19
Kohler Bros Mex | Sale July 12
Kentucky, Mine, Felix, 50c | July 30—Aug 10

La Candelaria, Mex | Adv July 16—Sale August 5*
Lapland, R. R., 10c | Adv July 2—Sale July 16*
La Marronena, L. C., $5 | Adv July 9—Sale July 9*
Liplaud, Reese River, 50c | Adv July 2—Sale July 16*
La Libertad, Lower Cal | Adv July 23—Sale Aug 8*
Lady Adams, R. R., 20c | Adv. July 2—Sale July 16*
Lafayette, Gold Hill, $5 | Adv. May 18—Sale July 1
Live Oak, Washington, 25c | Adv. June 11—Sale July 1
Lamra Johnson, Soledad, 50 cents | Adv June 23—Sale July 9
La Providencia, La Paz, $1 | Levied May 16
Lady Bell, Del Norte co. 10c | Adv. July 6—Sale July 18
Laurel Hill, $1 | Adv July 7—Sale July 20
La Fernanlis, Hermosillo, $6½ | Adv July 7—Sale July 21
La Chureas, San Antonio | Meeting July 10
La Chureas, San Antonio, 50c | Adv July 16—Sale July 30
Las Cruzecitas, Mex. $6½ | Adv July 13—Sale July 25
La Blauca, Mex. $2½ | Adv July 14—Sale July 26
Libertad, Mex | Adv June 15—Sale July 16
Leland, Arizona | Annual Meeting July 4
Langley, Arizona | Annual Meeting July 4
Lucerne, Gold Hill | Sale July 12
Latrobe, Virginia | Annual Meeting, July 5
La Esperanza $1 | Annual Meeting July 7
Lone Star, Lander co | July 30—Aug 17

Moscow | Meeting, Aug 1*
McDermott, Devil's Gate, $1 | Adv July 23—Sale Aug 10
Moonlight, Inyo, H., $1 | Annual Meeting July 5
Moscow, Esmeralda | Adv June 11—Sale July 15*
Mohawk, Reese River, 50 | Alv. July 2—Sale July 16*
Meder, Santa Cruz county, 15c | Adv. July 9—Sale July 25*
Monarch, R. R., 25 | Adv. July 2—Sale July 16*
Mechanics, Clayton, 5 cents | Adv. June 25—Sale July 13*
Mount Zion, Clayton, 50 cents | Adv. June 18—Sale July 6*
Mauldin, Lander co., 50c | Adv. June 25—Sale July 5
Mountaineer, Imbt co. 50 cents | Adv. June 23—Sale July 6
Minerva, Gold Hill, $25 | Adv July 8—Sale July 23
Manchester, Monitor, $1 | Adv. June 21—Sale July 6
Mary and Estella, 15c and 10c | Levied Jan. 19 and Feb. 20
Melones & Stanislaus, C. H, $2 50 | Adv. June 4—Sale July 18
Monte Cristo, Gold Hills | Annual Meeting July 5
Munster, Cons. 25 cents | Adv. June 17—Sale July 2
Mount Eden, Gold Rill District, 50c | Adv July 9—Sale July 25
Mosquito, Calaveras County, $5 | Adv. June 11—Sale July 1*
Minnehaha, Reese River District, 25 cents | Levied March 22*
Mormon Gulch, Humboldt | Annual Meeting July 7
Michigan, G H, $10 | Adv July 9—Sale at Gold Hill Aug 10
Maria, Mex. 75c | Adv July 18—Sale July 30
Monte Christo, Virginia, $1 | Adv June 15—Sale July 8
Moss, Virginia, $5 | Adv July 12—July 23
Melrose, Humboldt | Sale July 2
Melrose, Humboldt, Special Meeting, July 1, Humboldt City
Minna Rica de Las Flores. $1, $1, $1 & $2 | Levied March 12
Medora, R. R | Annual Meeting July 5
Madison, R. R | Annual Meeting July 5
Monitor, R. R | Annual Meeting July 5
Mineral Hill, White Mt. 40c & 50c | Adv. June 1—Sale July 5
Mina Rica de Las Flores, Calaveras county 7 assessments $8
Molitor, R. R., $2½ | Alv. June 22—Sale July 9
Mercides, Sonora, Mex | Sale July 26
Mount Davidson, Virginia | Annual Meeting July 13

North Star, Santa Catalina | Adv. June 4—Sale July 6*
North Superior (copper), Plumas co. | Annual Meeting July 4*
Nevada Copper, Cross Valley | Adv June 18—Sale July 2*
New Year Digns, Tuolumne $1½ | Alv June 28—Sale July 13
Nelson Consolidated, Gold Hill, $2 | Adv. June 2—Sale July 13
N'th Lawrence & Culiford Con 50c | Adv June 15—Sale July 11
Nonpareil, Tuolumne co., $5 | Adv July 8—Sale July 26
Nevada, Justice, $20 | Levied April 9—Virginia
North Star, Reese River | Annual Meeting July 4
North Star, Reese River, $2 | Adv. July 1—Sale July 15
Napoleon Copper | Quarterly Meeting July 5
Niagara | Annual Meeting July 20
New York Q'rtz. El Dorado co., $1½ | Adv July 9—Sale July 20
Nelson Cons. Gold Hill, $2 | Adv July 2—Sale July 13
New England Con. Los Ang'l s co 5c. | Adv July 15—Sale July 27
Napoleon, $5 | Adv. July 14—Sale July 29
North Potosi, Virginia, $12½ | Adv July 16—Sale July 30
Nuestra Senora de Guada', Mex. $6 | Adv July 2—Sale July 16
Nevada, R. R | Annual Meeting July 4

Ozark, Gold Hill, 10c | Adv July 16—Sale July 30
Overman, $30 | Levied June 7 Gold Hill
Osceola Hill, 25c | Adv July 10—Sale July 23
Owens River, $3 | Annual Meeting July 6
Oregon, R. R | Annual Meeting July 4
Olympic, Big Creek, 50 cents | Adv. June 25—Sale July 12
Ophir of the Colorado, Arizona, $2 | Adv June 18—Sale July 5*
Overman, $30 | Levied April 10—Gold Hill
Omega, Gold Hill, Virginia, $25 | Adv July 8—Sale July 23
Oxford Beta, Silver Hill, 50 cents | Adv June 18—Sale July 30*
Ophir of the Colorado, El Dorado $2 | Adv June 18—Sale July 2
Orient, Inyo | Adv May 28—Sale July 6*
Ontario Montgomery | Adv. June 25—Sale July 9*
Orinoco, Reese River, 50c | Adv. July 2—Sale July 16*

Peaslee & Sparks, R. R., 25c | Adv. July 2—Sale July 16*
Phoenix, Reese River | Adv June 11—Sale July 14*
Porter, Butte co., 50c | Adv July 16—Sale Aug. 3*
Prima Donna, Devil's Gate, 50c | Adv July 30—Sale Aug 15*
Potomac, Reese River, $1 | Adv. June 25—Sale July 11*
Provo Cons. Santa Rosa, 10c | Adv July 14—Sale July 24
Pizarro, Cortez, 25c | Adv July 9—Sale July 23
Pioneer Coso, Coso | Annual Meeting July 6*
Peninsular, San Antouio, 25c | Adv. June 15—Sale July 15
Pacific, Esmeralda | Adv July 2
Polheuins | Sale July 8
Quartz Mountain, 40c | July 30—Aug 19*
Queen of Antilles Cons, Lander, 25c | Levied March 30*
Quartz Hill, El Dorado co., 40c | Adv July 23—Sale Aug 10*
Rhodes Digglngs, R D., $3 | Adv July 16—Sale July 26
R. R. Antelope, R. R., $1 | Sale July 6
Rosario & Carman, Mex., $1 | Adv July 1—Sale July 14
Roasch, White Mountain, 40c, 50c | Adv June 25—Sale July 11
Rancho del Monte Cos. Esmeralda | Adv April 21—Sale July 1
Relief, 10 cents | Levied May 19
Red Cap, Amador, 50 cents | Adv. June 15—Sale July 11
Ruba, R. R., 25 cents | Levied March 31
Rhode Island, Keys, 10 cents | Sale July 12
Rose Matilda, Santa Catalina | Adv. June 4—Sale July 6
Rhode Island, Mono co., 25c | Adv July 16—Sale July 30*
Rubicon, 1, 2 3, & 4 | Quarterly Meeting July 4*
Rubicon, No, 1, 2, 3 & 4, 10c Mono | Adv July 23—Sale Aug 10*
Rose, Humboldt co | Meeting July 14

Silver Age, Lander co., $1½ | July 30—Aug 10*
Schmeltzer, Humboldt co | Sale Aug 3*
Schmeltzer, Humboldt co | Meeting, Aug 3*
Segregated Crown Point, Gold Hill, $25 | Sale July 5*

San Francisco Stock & Exchange Board.—Prices Bid and Asked.

	Saturday.		Monday.		Tuesday.		Wednesday.		Thursday.		Friday.	
WASHOE STOCKS.	PT. SHARES.	VAL.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.
Ophir	1,000	10	740	750	740	760	775	800	750	775	730	740
Gould & Curry	1,200	100	2,375	2,400	1,975	2,000	1,850	1,900	1,560	1,585	1,510	1,535
Savage	800	100	1,600	1,625	1,800	1,850	1,475	1,500	1,875	1,900	1,150	1,200
Challar	1,100	5,000	500	450	400	500	500	510	390	410	370	400
Potosi	1,400	2,000	800	1,050	1,900	1,950	825	880	1,300	1,450	950	1,050
Hale & Norcross	400	500	—	600	300	600	350	600	—	—	950	1,200
Sierra Nevada	3,000	500	—	—	—	—	27½	—	—	32	350	—
Daney	2,000	500	50	75	—	—	50	60	55	60	28	60
Burning Moscow	4,100	100	50	87	55	87½	30	35	37	39	25	30
North Potosi	2,000	2,000	250	55	55	51	55	52	53	60	55	50
Uncle Sam	1,200	1,200	200	600	625	600	610	650	600	—	600	—
Iowa	1,200	1,200	1,000	—	—	—	—	—	—	—	—	—
El Dorado	1,000	1,000	500	—	30	—	—	—	10	25	10	25
Norton	1,000	1,000	500	—	—	—	—	—	—	—	—	—
Burnside	2,000	2,000	600	—	—	—	4	2	4	2	—	—
Adriatic	2,000	2,000	100	—	10	—	—	—	—	—	—	—
Pride of West	1,400	1,400	100	—	—	7	5½	8	6	—	—	4
Imperial	184	4,000	500	142½	150	128	130	141	145½	137½	100	135
Crown Point	600	1,200	100	—	—	—	—	—	—	—	—	—
Manhattan	—	—	—	—	—	—	—	—	—	—	—	—
Seneca	—	—	—	10	20	—	20	—	—	—	—	19
Mt Davidson m'l	1,000	1,000	200	—	—	—	—	—	—	—	—	—
Caledonia Tun'l	—	—	—	4	6	5½	6	—	—	5½	5	7
Bajazet & G Era	4,000	4,000	300	—	—	—	—	—	—	—	—	—
Cedar Hill tun'l	—	1,000	100	—	—	—	—	—	—	—	—	—
Gold Hill Quiz M	—	—	—	—	—	—	—	—	—	—	—	—
EMERALDA.												
Wide West	1,400	1,400	2,000	—	—	9	10	8	11	8½	10	10
Antelope	1,200	1,200	500	—	150	—	140	—	130	—	120	—
Esmeralda	1,000	1,000	1,000	—	—	—	—	—	—	—	—	—
Real del Monte	4,400	4,400	400	25	30	25	30	25	30	—	30	26
Utah	1,000	1,000	250	25	30	25	40	20	30	20	30	28
Silver Hill	5,000	5,000	500	—	—	—	—	—	—	—	—	—
Nevada	200	1,200	250	—	—	—	—	—	—	—	—	—
Falls of Clyde	6,000	6,000	100	—	—	—	—	—	—	—	—	—
Bamboo	600	600	500	—	—	—	—	—	—	—	—	—
Crockell	—	—	—	—	—	—	—	—	—	—	—	—
Federal Hope	—	—	—	—	—	—	—	—	—	—	—	—
Jenny Lind	—	—	—	—	—	—	—	—	—	—	—	—
coso.												
Josephine	9,600	4,800	2,500	—	—	1	—	—	—	—	—	—
Willow Springs	2,700	2,700	100	—	—	—	—	—	—	—	—	—
Coso	2,600	3,600	600	—	2	—	—	—	—	—	—	2
COPPER.												
Napoleon	2,700	2,700	600	—	80	—	—	75	—	—	—	—
Josephine	—	—	—	—	—	—	—	—	—	—	—	—
CALIFORNIA.												
Laurel Hills	—	—	—	—	—	—	—	—	—	—	—	—
Rhodes Diggings	—	—	—	—	—	—	—	—	—	—	—	—
Fellowes	2,500	2,500	100	—	—	—	—	—	—	—	—	—
Maxwell	—	—	—	—	—	—	—	—	—	—	—	—
Rock River	—	—	—	—	—	—	—	—	—	—	—	—
Eureka	—	—	—	—	—	—	—	—	—	—	—	—
HUMBOLDT STOCKS												
De Soto	1,980	1,980	100	—	—	—	—	—	—	—	—	—
Great Basin	—	—	—	—	—	—	—	—	—	—	—	—

San Lorenzo, Santa Cruz, 50c | Adv. June 25—Sale July 11*
Siskiyou Lion, Siskyou co, 50c | Adv June 25—Sale July 12*
Suerte, Carmen Island, 25 cents | Adv. June 25—Sale July 11*
St. Lawrence, Inyo | Adv. May 23—Sale July 6*
Star of Nevada, Reese Riv, 50c | Adv. July 2—Sale July 16*
Stars & Stripes, Rock Creek, Cal. co., 10c | June 21— July 9*
Sierra Madre, Rock Spring, 5c | Adv. July 2—Sale July 10*
San Francisco, Rock Spring, 5c | Adv. July 2—Sale July 16*
St. Clair Cons., Smoky Valley, $1 | Adv July 9—Sale July 23*
Silver Creek, Mono co., 50c | Adv July 23—Sale Aug 3*
Southern Belle, R. R., 25c | Adv July 9—Sale July 23*
Schleck, Cop., Amador county | Adv June 25—Sale July 23*
Silver Creek, Mono co | Adv July 23—Sale Aug 3*
Sierra Cons. 25 cents | Adv June 25—Sale July 11*
Salamander, Mill Valley, 20c | Adv July 14—Sale July 29
Silver Cloud, R. R | Annual Meeting July 5
Stanislaus, Calaveras county 50c | Adv July 4—Sale July 18
Shoshone, Lander co., $1 | Adv July 9—Sale July 29
Southern Light, R. R | Annual Meeting July 4
Sublett, R. R., $1 | Adv. July 2—Sale July 16
Sonoma Ledge, R. R., $1 | Adv. July 2—Sale July 16
Sarah Frances, Webster, 10c | Adv. July 6—Sale July 20
Seely, Big Creek, 58 cents | Adv. June 25—Sale July 13
Siskiyou, Rumbug, $1 | Adv. June 25—Sale July 16
Seneca, Cons., Virginia, $5 | Adv. June 27—Sale July 11
Salamander, Mill Valley, 10 cents | Adv. May 24—Sale July 11
St. Louis, R. R., $1 | Adv. June 24—Sale July 8
San Nicolas, Durango, Mex., $6 | Adv. June 20—Sale July 2
Sonoma County, Cloverdale, 20c | Adv. June 21—Sale July 9
Sunset, Amador, 50 cents | Adv. June 27—Sale July 11
Santa Rosa de Uros, Mex, $5 | Adv. May 24—Sale July 11
St. Louis, R. R., $1 | Adv. June 24—Sale July 8
San Nicolas, Durango, Mex., $6 | Adv. June 20—Sale July 2
Sonoma County, Cloverdale, 20c | Adv. June 21—Sale July 9
Sunset, Amador, 50 cents | Adv. June 27—Sale July 11
Salamander, Mill Valley, 10 cents | Adv. May 24—Sale July 11
St. Louis, R. R., $1 | Adv. June 24—Sale July 8
San Nicolas, Durango, Mex., $6 | Adv. June 20—Sale July 2
Sonoma County, Cloverdale, 20c | Adv. June 21—Sale July 9
Sunset, Amador, 50 cents | Adv. June 27—Sale July 11
Santa Rosa de Uros, Mex, $5 | Adv. May 24—Sale July 11
Sisters, Augusta, 15 cents | Adv. June 25—Sale July 25*
Sonoma Co, R R, 25c | Levied March 31
Salvatierra, La Paz | Sale July 2
Seely, R. R | Adv June 18—Sale July 18*
Star of Hope, Silver Mountain | Special Meeting July 8
Superior, Alpine co., 50c | Adv July 21—Sale Aug 2
Sumner, $5 | Adv July 22—Sale Aug 11
South Cenesse | Quarterly Meeting July 5
Sierra Plata, Mex | Meeting July 1
Santa Rosa, Virginia, $1 | Adv July 18—Sale Aug 6
Sears | Annual Meeting July 3
Silver City | Adv June 11—Sale July 10
Sutro, $1 | Virginia, Adv June 10—Sale July 11
Spring, Mono co., 50c | Adv July 16—Sale July 30
Sierra, Mariposa, 20c | Adv July 11—Sale July 27
San Carlos, Inyo, $4 | Adv July 9—Sale July 23
St. Nicholas, Lander co., $1 | July 26—Aug 10
San Marcial, Senora Mex | July 26—Aug 15
Sailor, Calaveras co | Adv. July 20
Savage, Virginia | Annual Meeting July 12
Sixty Ninth, Sierra co., 3c | Levied June 25
Sierra, Ormsby co., $2 | July 27—Aug 15
Simpson & Dassell, Carson Valley, 30c | Aug 6—Aug 17

Twin, Silver Mountain, $1 | Adv July 9—Sale July 23
Tentonia, Gold Hill, $1 | Adv. June 19—Sale July 14
Tulare, Inyo, 50 cents | Adv. June 25—Sale July 13
Tallulah, Sierra $15 | Adv June 17—Sale July 30

Union Tunnelling, Santa Clara, H | June 11—July 16*
United States Lander county, 5c | Adv May 21—Sale July 6
Union, Humboldt | Annual Meeting July 6
United States, Virginia, $1 | Adv July 3—Sale July 16
Unou No. 2, Reese River, $1 | Annual Meeting July 4

Ventana, San Demas, $5 | Adv July 8—Sale July 27
Vesta, Santa Fe | Adv. June 3—Sale July 2
Vulcan, Rocland, 5½c | Adv. June 9—Sale July 20
Victoria, Reese River, 50c | Adv. July 2—Sale July 16*
Vivian, Lyon co, 50c | Annual Meeting July 6*
Valley Forge, Cop., Amador co | Adv June 25—Sale July 23*
Veatch, Clifton | Annual Meeting July 12
Victor Hugo, Gold Hill | Sale July 14

Warfield, Placer co., 15c | Aug 5—Aug 22*
Wilson, Echo, $1 | Adv. May 21—Sale July 2*
Winona, Arizona Ter., 25c | Adv July 9—Sale July 27*
White Mountain Cons., Mono co., 15c | July 9— July 20*
Webster, Montgomery | Adv June 25—Sale July 9*
Wm. Mitchell, Silver Mountain, $1 | Adv July 21—Sale Aug 5*
Washington, Humbolt | Annual Meeting July 5
Whitman, Indian Springs, $7½ | Adv July 21—Sale Aug 1
White & Murphy, Virginia | Adv July 22—Sale Aug 9
Whitlach, R. R | Annual Meeting July 4
Weaver, Weaver, $1½ | Adv July 18—Sale July 28
Williams, Silver Mountain, 25c, 20c & 25c | Aug 1— Sept 1
Washoe, No. 1, Gold Hill, $2½ | Adv July 14—Sale July 26
Wm. Penn, Devil's Gate, $5 | Adv. May 28—Sale July 28
Wide West, Esmeralda, $5 | Adv. June 29—Sale July 9
Washington, R. R., 50 cents | Adv. June 25—Sale July 9
Washington, Reese River, 50 cents | Adv. June 18—Sale July 2
Willow Cons., Summit | Annual Meeting July 4
Washington, R. R | Annual Meeting July 11
Washoe No. 1. Gold Hill | Meeting July 5

Yankee Blade, R. R., $2 | Adv July 25—Sale Aug 10
Yosemite, R. R., 50c | Adv July 20—Sale Aug 3
Yosemite, R. R | Annual Meeting July 5
Yosemite, Oro Fino, $3 | Levied Feb 9
Yellow Jacket No. 2, Gold Hill, 20c | Adv June 5—Sale July 6
Yellow Jacket, Gold Hill | Annual Meeting, July 11

Zaack, R. R., 50c | Adv June 3—Sale July 9

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also — EDS. PRESS.]

Sales of Mining Shares

For the week previous to Saturday, July 2, '64.

By the San Francisco Stock and Exchange Board, Pacific Board of Brokers, Stock Exchange and the City Stock Exchange Board of Brokers

NAMES OF COMPANIES.	SHS. SOLD.	LOW-EST.	HIGH-EST.	CLOSING.
Adriatic	10	3	3	3
Burning Moscow	10	27	27	27
Bullion	31	65	65	65
Baltic	10	40	40	40
Best & Belcher	2	150	150	150
Buckeye	20	4	4	4
Blue Ledge	10	3¾	3¾	3¾
Caledonia Tunnel	47	5½	6	6
Chollar	142	375	500	400
Gould & Curry	370	1520	2500	1620
Golden Age & Empire	200	29	31½	29
Imperial	270	125	167½	155
Justice	10	40	40½	40
Lady Bryan	1186	21½	24	24
Melones	15	11	12	12
North American	215	62½	90	02¾
North Potosi

Mechanical Department.

THE FIRE ALARM TELEGRAPH.

It having now been fully decided to construct a system of fire alarm telegraph for this city, it cannot fail to be of interest to most of our readers to learn something of the principles and working of this new system of fire alarm. We have before us a full description of this ingenious and most useful invention, contained in a public lecture, by Dr. Wm. F. Channing, of Boston, from which we condense.

HOW NOTICE OF A FIRE IS CONVEYED TO THE WATCHMAN.

It should in the first place be premised that the conditions of the fire alarm telegraph are such as to require that information should first be sent in from any part of the surface of the city to the watchman at its center, and from thence be sent out to the firemen and the people all through the city, in such a definite form that every person will understand at once the near locality of the fire. To accomplish this, the city is first divided into districts, and each district subdivided into sections. At some point, in each of these sections a signal-box is placed, from which a telegraphic wire extends to the central station. On the door of each signal-box is conspicuously painted the number of its section and district, and the place where the key to the box may be found. In case of a fire breaking out, the discoverer of the same is expected to go immediately to the nearest signal-box, and on opening the door he will see a little crank. He knows of course that a crank is made to turn; when this crank is turned, it sets in motion machinery which communicates to the watchman at the central station the number of the fire district in which the signal-box is located, and the number of the box itself. This fact is repeated and recorded every time the crank is turned—and nothing more. Thus, anybody that can turn a grindstone can communicate to the watchman at the central station the fact that there is a fire and the district and section where it is located. When this crank is turned it rings, by telegraphic communication, a little alarm bell at the central station, and at the same time records, on a proper register, the number of the district and section from which the alarm is sent.

HOW THE ALARM IS COMMUNICATED TO THE DEPARTMENT.

At the central station, connected with the alarm circuit, is a galvanic battery and an instrument for completing the circuit of that battery, called the district keyboard. This is constructed with several keys, corresponding to the numbers of the fire districts in the city.—If you depress any of these the machinery inside commences to move, and the circuit is completed at such intervals as to strike and repeat on the distant alarm bells the district number represented by that key with suitable pauses between.

We will suppose that the operator at the central station has received the signal of fire from district three, section five. He now places his finger on the key of district three, in the keyboard. Instantly all the alarm bells in the city begin to strike the district number, *three*, and continue, no matter what their number or what the weight of their hammers, so long as that single finger rests on that key.

In addition to the district keys, the operator has also before him a set of keys connected by return wires with the several signal-boxes, and by which he can communicate with them. In each of these boxes is placed a small bell, which is so arranged in relation to the return wires, as above, that when the operator at the central station presses upon one of the signal keys he causes a hammer to strike the bell enclosed in each of these boxes, all through the city. Now we have already supposed that he has received notice of a fire in district three, section five. While his hand rests on the key of district three, he taps occasionally *five* times on the return key of the signal circuits. The little bell in each signal-box strikes *five*. The fireman listens to the public alarm bells, and gets from them the number of the district; he runs to the nearest signal-box, and listens a moment to gather the section number from its little signal bell, and he now knows that the fire is at district three, section five. He directs his own motions and his engine from the start, to within, perhaps, 100 yards of the fire.

THE MECHANISM FOR STRIKING THE DISTRICT OR ALARM BELLS.

The heavy hammers may be raised above the the bells by any force which can be conveniently applied, as by a weight which may be wound up by hand. But in all cities where the water is confined under pressure in the mains, it will supply, by means of a water engine, the power necessary to wield the heavy hammers with the greatest facility. But how are hammers of one or two hundred pounds weight to be tripped by telegraph? To effect this readily, Mr. Farmer invented his electro-magnetic escapement, one of the most beautiful and original of recent mechanical applications. In this escapement the electro-magnet, when it becomes charged by the galvanic influence received from the central station, attracts the little piece of soft iron or armature in front of it, which supports a small lever poised nearly vertically, and weighted with a little ball at its upper end, this lever and ball, when tripped by the withdrawal of the armature, acquires sufficient momentum to strike up the *detent* of the train of wheels which, in their revolution, raise the hammer and then allow it to fall. A single blow of the hammer follows each electrical impulse sent from the central station, and the revolution of the train of wheels raises also the falling lever into its place and catches it again on the armature lever, ready to be disengaged or tripped for another blow.

THE ADVANTAGES OF THE SYSTEM.

No other system than the above has ever been devised by which a fire can be localized any closer than a given district, and that from the manner in which the notice is given must, in a large city, be very extensive—half a mile square at least.

In all previous systems there has been a delay, first in getting an alarm from the fire to the bell; and, second, in finding the place of the fire in the district after the alarm was given, and reaching it by the shortest route. By the fire telegraph both district and station are publicly notified; the one by the alarm bells, the other by the signal boxes.

In Boston, where the fire-telegraph has been in successful operation for nearly three years, a star of wires is seen radiating from the top of the City Building. These are the signal circuits connecting into one system forty-six signal boxes scattered over the city, and the alarm circuits connecting twenty-four belfries on church, school, and engine-houses. A few large bells would be preferable to this multiplicity of smaller ones, but this whole number are struck by the touch of a single man's finger in the central station.

The operator at the central station is sometimes able to throw the bells on, and tap back to the signal boxes before the originator of the alarm has ceased to turn his crank in the immediate neighborhood of the fire. As soon as the bells strike, groups of persons will be seen clustering around each signal box to listen to the tapping of the fire department exactly where the alarm originated.

The heaviest hammer in the system at Boston weighs 100 pounds, and it is wielded by the Cochituate water at an expense of only one gallon for each blow, and tripped by telegraph from a distance of two miles. By virtue of the electric current and the pent up water, this bell, and others associated with it might be rung in measured strokes from the beginning to the end of the year by the pressure of a single man's finger in a distant room.

RAILROAD SPEED.—The following are given as instances of the best time made on Railroads. The Duke of Wellington was conveyed from Paddington, London, to Slough, in a special train, in fifteen minutes; the distance is eighteen miles or at the rate of one mile for every fifty seconds. The locomotive "Hamilton Davis," with six cars attached, ran on the New York Central Railroad, in 1855, fourteen miles in eleven minutes, or at the rate of forty-seven seconds and two moments per mile. Ten miles were run on the Pennsylvania Railroad in seven minutes and a half, or at the average rate of 40 and 50-100th seconds per mile. This perhaps, is the fastest time that has ever been made on a railway. From Albany to New York, 144 miles, a locomotive has run the entire distance, on the Hudson River Railroad, in 169 minutes, or at the average of one minute, ten seconds and six-tenths of a second per mile. An engine with train attached, has run from Indianapolis to Union City, a distance of 84 miles, in ninety minutes, or at the rate of one minute, three seconds and a fraction per mile. From Albany to Niagara the distance by railroad is 350 miles. Over this an express train has passed in seven hours and thirty-two minutes, or at the rate of one minute, twenty-two seconds and a fraction per mile.

THE American Nail Company, which has a patent by which it is claimed all sizes of nails can be made at one quarter the cost of the ordinary mode, has just started in Boston with a capital of $250,000 in $100 shares.

FLOCKS of sheep in the vicinity of the Geysers, Napa county, have suffered terribly from the depredations of grizzly bears.

MANUFACTURE OF PLATED GOODS.—Sheffield, England, has long been celebrated as the great center of the plated goods manufacture, and for the peculiar excellence of the work produced. The method by which this is accomplished, though ingenious, is quite simple, as will be seen by the following:

An ingot of copper or of German silver, being cast, and the surfaces carefully prepared by filing, so as to remove all blemishes, and a piece of silver, having likewise one surface perfectly cleared, are tied together by means of an iron wire. A mixture of borax and water is then drawn round the edges with a quill. They are next placed in a common air furnace to be heated to a proper temperature, and having a small aperture in the door, through which the workmen can observe when that temperature is attained. During the union of these two bodies the surface of the silver is seen to be drawn into intimate contact with the copper or German silver, and the moment this takes place is the signal for removing the bar from the surface. The appearance of incipient admixture on the edges of the silver shows how perfect the fusion has been, as this oozing of the metal is not in consequence of any extraneous application of solder, etc., but entirely the effect of the fusion of the surfaces of the two bodies. The ingot thus obtained may now be rolled into sheets of any required thickness, and the union of the two metals is so perfect that they continue inseparable, even when drawn out into the finest wire.

Thus much for the primary process. In the manufacture of a tray out of this plated metal, the metal is first cut to the proper shape. The edge of the tray is then formed by hammering it round a bar of steel, and the whole is polished by beating it with a hammer, either upon one or both sides. The ornaments are executed with much care, and great attention is necessary lest the tool should cut too deep and reveal the base or metal beneath. The chasing is done by means of small punches of various shapes, and thus the metal is not cut out, but forced in. The last operation is that of burnishing.

THE FIRE ALARM TELEGRAPH.—We have devoted considerable space in the present issue to a description of the mechanism of the Fire Alarm Telegraph which is about to be introduced into this city. The system of fire alarm was invented by Mr. Moses G. Farmer, of Boston, in which city it was first put to practical test. The rapidity with which notice of a fire is conveyed to the Department by this mode of alarm has not only greatly reduced the average loss from fire in that city but has also very much diminished the number of alarms. It is an American invention, and constitutes an important step in the progress of municipal organizations. The patent right of the invention is held by Messrs. Kcunard & Co., of Boston. We understand that the expense necessary for establishing the system in this city will be about $20,000. About 40 signal boxes will be put up. From six to eight months time will be required to put the machinery into working order.

NEW IRON SAFES.—Lillies chilled or cast iron safes, appear to be getting very popular among those who are fortunate enough to have anything to put in them. They are thus described:

The base or the foundation of the chilled iron safe is a frame or box made of bars of wrought iron, one-fourth inch thick by one and a half to two and a half inches wide, crossing each other at right angles, and placed near each other, forming a compact net-work. The inside of this box is filled with sand and placed in a mold with an open space all round the outside of one and one-fourth to two inches (according to size and character of safe), and into this space is poured the cast iron, which becomes thoroughly chilled and hard, like the plow-point throughout. Inside of this iron body, which is without joints, is attached the best fire-proof composition yet known, and held firmly in a perfect air tight chamber—the composition being from three to four inches thick."

ENAMELING JEWELRY.—The white enamel of watch dial plates is composed of ground flint glass, and the oxide of tin. The enamel in a pasty condition is laid upon the polished metal, and all the free moisture is absorbed by applying a dry cotton cloth to it, after which it is smoothed on the surface and permitted to become dry. It is now placed within a muffle, and subjected to a powerful heat in a furnace. Several thin coats of enamel, frequently four, are laid upon the top of one another, each fired and rubbed down with a fine file and polished with a burnisher. Blue enamel is obtained by mixing cobalt with an opaque white enamel. The protoxide of copper affords the color for red enamel.

CHANGES OF A PIECE OF SILVER.—If we place a piece of silver in nitric acid, and add a proper quantity of water, the silver is dissolved as completely as sugar is in water, and wholly disappears, the solution looking exactly like pure water.

If we now evaporate a portion of the water, and set the solution away, we find in the course of a few hours that the bottom of the vessel is covered with beautiful white flakes, which are crystals of nitrate of silver, the metallic silver in combination with nitric acid. Nitrate of silver has some peculiar properties. If kept free from contact with other substances, it may be exposed to the light for any length of time without any change from its pure white color. It may be applied to cotton or the skin, or hair, in the dark without any change in color, but if it is applied moist to any vegetable or animal substance and exposed to the light it turns black in a few minutes. It is the coloring agent in indelible ink.

If we place crystals or nitrate of silver in water, they are quickly dissolved; and if we throw a little table salt—the chloride of sodium—into the solution, the silver leaves the nitric acid and combines with the chlorine in the salt, forming the chloride of silver. This is a white, lustreless powder, and gradually turns black when exposed to the action of the light. Metals may be silvered cold by means of the chloride of silver.

If we mix chloride of silver with carbonate of soda, and heat the mixture in a crucible to a very bright red, it is dissolved, and both of the substances are decomposed. The chloride leaves the silver and combines with the sodium of the soda, forming chloride of sodium—table salt—the carbonic acid escapes as a gas, and the silver is left in a metallic state in the bottom of the crucible.

Thus we have silver first as a white solid metal, then a liquid, like water, then in crystals like salt, then as indelible ink, then as a grey or black powder, and finally as a metal. And these are only a very small part of the forms which it may be made to assume.

LIGHTNING PROTECTORS.—All the fire telegraph stations in Boston are provided with "lightning catchers," or ground conductors for atmospheric electricity. Hence an incidental protection from lightning, commensurate with the extent of the network of wires above, is obtained for the city. When these ground conductors have been temporarily removed from the alarm-bell stations, a flash of lightning has been occasionally followed by a single blow from one or more of the bells. But where the lightning catchers have been in place, they have proved sufficient, except in rare instances, to divert atmospheric currents from the electromagnets to the ground. No practical or serious inconvenience has resulted from this source. But it has occasionally been a matter of curiosity and interest to hear the lightning thus tolling the alarm-bell.

NEW METHOD OF CHURNING BUTTER.—A curious method of churning butter is now adopted in Normandy and other provinces. They put the cream into a linen bag, neither too fine nor too course; tie it and place it in a hole twenty or twenty-five inches deep, where the ground is quite open to the sun and air.—The hole is covered and the cream left in the earth twenty-five hours. It is then taken out in a very hard state and pounded with a wooden pestle. The butter separates from the cream in two minutes. If there is a great quantity of cream it is necessary to leave it longer in the ground. In winter, when the earth is frozen, the process can be made in a cellar with sand. The bag must be thick enough to prevent the cream from oozing through, and sometimes an outer bag encloses it to preserve it entirely clean. The cream is said to yield more butter and better than by churning. Certainly nothing can be finer than Normandy butter, which is always brought to market without salt, and keeps fresh very long.

SEWING MACHINE.—The Marysville *Appeal* says that the most ingenious piece of mechanism ever seen in this State is on exhibition at the jewelry store of E. Wright, on D st., in that city—a most perfect engine, silver-plated and about 30 inches long, is the motive power, attached to which is a boiler and apparatus as complete as if it weighed a ton. It works as easily as any other engine of any calibre, and to which is attached one of Grover & Baker's sewing machines, which it propels at lightning speed. The sewing is the most uniform we ever beheld.

FLY FAN.—A barber in Stockton has invented a fan to keep flies off his customers. A wheel four feet in diameter is placed in one of the bath rooms, where it can be set in motion by turning the spigot of a water pipe over it, when it propels the fanning apparatus, arranged along the ceiling of the house over the chairs occupied.

THE Folsom Dispatch has been attacked with the currency fever, and advocates the adoption of greenbacks as currency.

Patent Department.

A New Amalgamator.—Mr. Charles Camp has invented an amalgamator, which is in appearance entirely different from any machines of the kind which we have seen. Nevertheless it is based upon the same first principles as the best pans. The crushed quartz is ground between annular disk mullers and spiders. These mullers are revolving (different from the other pans), with a horizontal shaft, on a vertical plain, on vertically placed spiders. By a peculiar arrangement the inventor applies four mullers and four spiders, attaining by this means four pair of grinding disks, so that such a pan, of the same diameter as the ordinary pans, has four times as much grinding surface, and should therefore grind four times as much quartz pulp.

The mullers and spiders are brought in contact, and there kept by means of a constant pressure, which is a great advantage over most other pans, where this pressure is greatly variable and therefore the grinding irregularly performed. The amalgamating operation takes place in the lowest part of the pan, where the pulp is pressed through the quicksilver by aid of the centrifugal force of the mullers, and the arrangement is so contrived that the entire pulp ground between the mullers and spiders is forced to go through the quicksilver again to the mullers, for re-grinding, and so on until the process is completed. The pan has a half cylindrical trough form, and is made of cast iron. The advantages claimed for this pan are that quartz pulp is more regularly ground and amalgamated, and the quicksilver is not injuriously affected by any moving machinery. The price of such an amalgamator will be 25 per cent. less than that of ordinary pans of the same capacity for work. A patent has been applied for through the Mining and Scientific Press Patent Agency.

A Submarine Lifter.—Mr. Austin T. Page, of Weaverville, in this State, has made application through the Agency connected with this office, for a patent for an apparatus of his invention, which he styles a "Submarine Lifter," to be employed in raising sunken ships or other heavy bodies which may be submerged in water. The invention consists in placing heavy timbers across the decks of two floats or barges; said timbers to be carefully secured by cross timbers, and of sufficient strength to lift the object which it is designed to raise. The barges are to be kept apart sufficiently to enable the sunken vessel to be raised between them. Thus prepared they are floated into a position, so that the timbers extending from deck to deck shall lie directly over the deck of the vessel to be raised. Chains, which have been previously placed under the keel of the sunken craft, are to be secured to these cross timbers, which are to be lifted by the aid of the tide, or, when there is no tide, by means of screws placed beneath them after the manner of a jackscrew. A peculiar device for lifting the stem or stern of the vessel by a levcrage, and passing chains under her keel by means of a kind of submarine derrick or crutch, also constitutes a part of the invention. This last is really the most important part, but cannot well be described without illustrations.

Graining Apparatus.—Messrs. Youngberg & Co. have applied for a patent for a graining roller, to be employed in the process of graining walls, paper, etc. The pattern is first engraved upon a wooden cylinder, from which a plaster mould is constructed, and in which mould is made a cast of a composition of glue and molasses, the same as is employed in making printers' rollers. The pattern thus cast consists of an endless sheet, which is placed upon a core and mounted upon a proper frame. A distributing roller is also made, having upon its top a fountain, from which it is fed, and the desired coloring matter spread upon the surface of the pattern cylinder; the whole being operated by hand and the friction derived by moving the pattern roller over the surface to be ained. The invention is a great labor-saving rangement. A patent has been applied for rough the Agency connected with this office.

An Improved Amalgamating Pan.—Mr. Zenas Wheeler, of this city, has applied through the Mining and Scientific Press Agency, for letters patent for an improved amalgamating pan, which consists first of the ordinary steam chamber beneath. Just above the interior bottom of the pan is placed a diaphragm. Above the arms, and attached to the sides of the pan, are wings to check the revolving current of pulp, and force it to the center, at which point it is made to pass down and under the diaphragm and thence out and up again at the circumference of the pan. The pan is charged with quicksilver to a hight that will just submerge the diaphragm, but not come in contact with the arms or stirrers.

Washing Ores and Minerals.—A simple form of apparatus for washing ores, minerals and other metalliferous earths, whether of the richest or poorest descriptions, has been patented for Messrs. Baron, of Paris. It consists in the employment for that purpose of a long tapered vessel, partially filled with water, open at the top, and provided near its surface with a corresponding shaped trough, slightly inclined downwards towards its narrow end.—This trough receives a longitudinal vibratory motion from a crank or eccentric on the main actuating shaft of the machine, and it also receives a simultaneous rocking motion in a lateral direction. The bottom of the vessel has a number of closed apertures for removing the deposit that collects thereon, which are nearer together as they approach the narrow end of the vessel, at which part they are separated by double inclined partitions. The feeding hopper is provided with a rose jet at its discharging mouth, which directs a number of fine streams upwards into the minerals or ores contained therein, such minerals or ores having been previously crushed. The richest ores or minerals pass down the vibrating trough, and fall over at the end, being thus deposited at the narrowest end of the vessel, whilst the refuse matter and poorer particles are shaken over the sides of the trough before arriving at the end thereof, the poorest being shaken over at the top end of the trough, and the better descriptions lower down, so that each aperture will give a richer product as they approach towards the narrowest end of the vessel. The water in the vessel is stagnant—that is to say, it is not changed constantly by having a current flowing through the vessel, as is the case in other washing machines.

Made Land on the Sacramento River.—Mr. Smith, of Smith's famed gardens, says the Sacramento *Bee*, has made us acquainted with a fact interesting as going to show the great changes constantly being made in the surface of the country by the action of floods and streams. Others have no doubt noticed the fact to which we allude, but it is not probable that one in a hundred are acquainted with it. In 1849, when Mr. Smith located in his present situation, he built his house on the bank of the American river. At that time the surface of the bank was thirty feet above the surface of the river at low water. Since then the river has so changed its course and deposited sediment that now the bank of the river is at least one hundred yards from where it formerly was, and where the water flowed in 1849 is now as high land as there is in the vicinity, covered with a thick growth of trees from twenty to forty feet in hight. Not only this, but the surface of the land in that vicinity is two to four feet higher than it was in 1849. Then the river, at low water, was thirty feet lower than the bank; now it is not more than twelve feet lower. This shows that in addition to the creation of several acres of productive land the bed of the river has, by deposits from above, been filled up nearly twenty feet since 1849. It would be interesting to know what changes have been produced in other portions of the valley by the action of the rivers and deposits of earth borne down from the mineral regions.

Air and Ocean.—The air is made up of a mixture of two gases, oxygen and nitrogen, and it always contains considerable watery vapor and carbonic acid. In his new work on Chemistry, Professor Youman states, that if all the air were reduced to its average density at the earth's surface, it would extend five miles high, and that if the above constituents were arranged in layers one over the other, we should have first, at the bottom, a bed of water all over the earth's surface 5 inches deep; next a layer of carbonic acid 13 feet deep; next above, a layer of oxygen gas about one mile deep; and above this a layer of nitrogen gas about 4 miles deep. This will help the memory.

Sea water contains about 4 ounces of salt in every gallon. Estimating the ocean to average two miles in depth, the salt if separated in a solid bed would line the bottom of the entire ocean to the depth of 140 feet.

Sickness not Causeless.

There never can be disease without a cause; and almost always the cause is in the person who is ill; he has either done something which he ought not to have done, or he has omitted something which he should have attended to.

Another important item is, that sickness does not, as a general thing, come on suddenly; as seldom does it come, as a house becomes enveloped in flames on the instant of the fire first breaking out. There is generally a spark, a tiny flame, a trifling blaze. It is so with disease, and promptitude is always an important element of safety and deliverance. A little child wakes up in the night with a disturbing cough, but which, after a while, passes off, and the parents feel relieved; the second night the cough is more decided; the third, it is croup, and in a few hours more the darling is dead!

Had that child been kept warm in bed the whole of the day after the first coughing was noticed, had fed lightly and got abundant warm sleep, it would have had no cough the second night, and the day after would have been well.

An incalculable amount of human suffering and many lives would be saved every year, if two things were done uniformly. First, when any uncomfortable feeling is noticed, begin at once, trace the cause of it, and avoid that cause ever after. Second, use means at hand to remove the symptoms; and among these, the best, those which are most universally available and applicable, are rest, warmth, abstinence, a clean person, and pure air. When animals are ill, they follow nature's instinct, and lie down to rest. Many a valuable life has been lost by the unwise efforts of the patient to "keep up," when the most fitting place was a warm bed and a quiet apartment. Some persons attempt to "harden their constitutions" by exposing themselves to the causes which indnce their sufferings, as if they could, by so doing, get accustomed to the exposure, and ever thereafter, endure it with impunity. A good constitution like a good garment, lasts the longer by its being taken care of. If a finger has been burned by putting it in the fire, and is cured over so well, it will be burned again as often as it is put in the fire; such a result is inevitable. There is no such thing as hardening one's self against the causes of disease. What gives a man a cold to-day will give him a cold to-morrow, and the next day, and the next. What lies in the stomach like a heavy weight to-day will do the same to-morrow; not in a less degree, but a greater; and as we get older, or get more under the influence of disease, lesser causes have greater ill effects; so that the older we get the greater need is there for increasing efforts to favor ourselves, to avoid hardships and exposures, and be more prompt in rectifying any "symptom," by rest, warmth, and abstinence. —[Hall's Journal of Health.

Change in the Meaning of Words.—How many words men have dragged downward with themselves, and made partakers, more or less, of their own fall! Having originally an honorable significance, they have yet, with the deterioration of those who used them, or about whom they were used, deteriorated or degenerated too. What a multitude of words, originally harmless, have assumed a harmful meaning as their secondary lease; how many worthy have acquired an unworthy! Thus "knave" meant once only no more than lad (nor does it now, in German mean more.) a "villain" was no more than peasant; a "hoor" was only a farmer; a "varlet" was but a serving man; a "menial" one of the many or household; a "churl" but a strong fellow; a "minion" a favorite. Sylvester says: "Man is God's dearest minion." "Time-server" was used two hundred years ago as often for one in an honorable, as in a dishonorable sense, "serving the time!" "Conceits" once had nothing conceited in them; "officious" had reference to offices of kindness and not of busy meddling; "mood" was that which pertained to a man's mood, without any gloom of sullenness implied. "Demure" (des mœurs—or good manner) conveyed no hint, as now, of an over-doing of the outward demonstrations of modesty. In "crafty" and "cunning" there was nothing of crooked wisdom implied, but only knowledge and skill; "craft" indeed, still retains very often its more honorable use—a man's craft being his skill, and even the trade in which he is skilled.

A New Mode of Preserving Meats has been discovered, which consists in forcing brine into the arteries, veins, and capillaries of the carcasses by pressure. After the articles have been thus cleansed by the first charge, a mixture is introduced, consisting of six and a half gallons of brine, ten pounds of sugar, and three quarters of a pound of saltpetre, with an infusion of clove and pepper. The meat is then cut up, thoroughly dried, and packed in sawdust and charcoal. It is said that it will keep in any climate, and that it possesses the greatest amount of nutritive matter.

At a Factory in Sacramento 10,000 brooms have been made during the year last past.

Danger of Checked Perspiration.

There are two kinds of perspiration, *sensible* and *insensible*. When we see the drops of water on the surface of the body as the result of exercise, or subsidence of fever, that is *sensible perspiration*, perspiration recognized by the sense of sight. But when perspiration is so gentle that it cannot be detected in the shape of water-drops when no moisture can be felt, when it is known to us only by a certain softness of the skin, that is *insensible* perspiration, and is so gentle that it may be checked to a very considerable extent without special injury. But to use popular language which cannot be mistaken, when a man is sweating freely, and it is suddenly checked, and the sweat is not brought out again in a very few moments, sudden and painful sickness is a very certain result.

What, then, checks perspiration? A draft of air while we are at rest, after exercise, or getting the clothing wet and remaining at rest while it is so. Getting out of a warm bed and going to an open window or door, has been the death of multitudes.

A lady heard the cry of fire at midnight; it was bitter cold; it was near, the flames illuminated her chamber. She left the bed, hoisted the window, the cold chilled her in a moment. From that hour until her death, a quarter of a century later, she never saw a well day.

A young lady went to her window in her night clothes to look at something in the street, leaning her unprotected arms on the stone window-sill, which was damp and cold. She became an invalid, and will remain so for life.

Sir Thomas Colby being in a profuse sweat one night, happened to remember that he had left the key of his wine cellar on the parlor table, and, fearing his servants might improve the inadvertence and drink some of his wine, he left his bed, walked down stairs, the sweating process was checked, from which he died in a few days, leaving six millions of dollars in English funds. His illness was so brief and violent that he had no opportunity to make his will, and his immense property was divided among five or six day-laborers who were his nearest relatives.

The great practical lesson which we wish to impress upon the mind of the reader is this:—When you are perspiring freely, *keep in motion* until you get to a good fire, or to some place where you are perfectly sheltered from any draft of air whatever.

The Benefits of Exercise.—Exercise is health-producing, because it works off and out of the system its waste, dead, and effete matters; these are all converted into a liquid form, called by some "humors" which have exit from the body through the pores of the skin; in the shape of perspiration, which all have and which all know is the result of exercise, when the body is in a state of health. Thus it is that persons who do not perspire, who have a dry skin, are always either feverish or chilly, and are never well and never can be as long as that condition exists. So exercise, by working out of the system its waste, decayed, and useless matters, keeps the human machine "free"—otherwise it would soon clog up and the wheels of life would stop forever! Exercise improves the health, because every step a man takes tends to impart motion to the bowels; the proper amount of exercise keeps them acting once in every twenty-four hours. If they have not motion enough, there is constipation, which brings on very fatal disease; hence exercise—especially that of walking, wards off enumerable diseases, when it is kept up to an extent equal in inducing one action daily. Exercise is healthful, because the faster we breathe, we take that much more air into our lungs; but it is the air we breathe which purifies the blood, and the more air we take in the more perfectly is that process performed. The purer the blood is the better the health must be. Hence, the more the consumptive stays in the house, the more certain and speedy is his death.

Rapid Marches.—The following are some of the most remarkable cases of rapid marches on military record:

Roman infantry marched frequently a distance of 20 miles in 5 hours, each soldier carrying from 50 to 80 pounds baggage. Cæsar's legions marched 450 leagues in 23 days. In 1800 McDonald marched 40 miles in a single day, crossing rivers and climbing mountains. Clavel, after most extraordinary efforts at the battle of Salamanca, retreated 40 miles in 12 hours. In 1814 Napoleon marched his army, for the purpose of succoring Paris, 75 miles in 36 hours. Gen. Crawford, in Spain, marched 3,000 men 62 miles in 26 hours. In 1802 Wellington's cavalry in India marched 60 miles in 32 hours. Before the battle of Furruckabad, in India, the English cavalry, under Lord Lake, are said to have marched 70 miles in 24 hours.

Oil wells have lately been discovered near Visalia. The flow is said to be very large and in a crude state. It burns brilliantly as refined oil.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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San Francisco:
Saturday Morning, July 2, 1864.

MINING SHARE MARKET.

The sudden depreciation in the Mining Share Market, alluded to in our last issue as having been noticed in the closing transactions of Friday of last week, has proved more serious than we then supposed it would. The market, in fact, has been subjected to a fresh panic, which has involved nearly every stock in the list, the most of which have largely declined. The most unfavorable symptom connected with this movement is the fact that it has fallen upon leading stocks, which have hitherto been relied upon as giving character and tone to the matket. No sustaining power is as yet visible to which we can look as a means for restoring confidence and arresting the downward tendency of stocks. Still the impression is beginning to obtain that the crisis is over and that an improvement must be immediately manifested. It is to be hoped that such anticipations may be fully realized.

Ophir is held quite firmly at $735, although one or two small sales have been made during the week as low as $700.

Gould & Curry has met with an unusual large business. Three hundred and seventy feet have changed hands since our last report. Opening on Saturday at $2,500, it declined in the afternoon to $2,150; sold on Tuesday at $1,840, and then at $2,225; fluctuated from $1,520 to $1,640 on Wednesday, Thursday and Friday. A slight improvement and increased business was manifested before last evening's board. The closing sales were made at $1,620. Various causes are assigned for the remarkable depression and material fluctuation which this stock has manifested during the past week. Accounts from the mine are various and conflicting. In the absence of any official statement from the Superintendent or Trustees, speculation would be worse than useless. The usual monthly dividend is confidently expected.

Chollar has met with considerable business, but at generally declining rates. It has dropped, during the week, from $500 to $400, its closing figure before yesterday's board.

Nevada, Justice Ground, has met with but a single transaction during the present week—two shares changed hands yesterday at $50.

North American has materially declined with considerable business. Opening at $90, it has gradually dropped to $62½—with sales of 215 feet.

North Potosi has met with a good business at fluctuating rates. Opening at $55, it advanced to $80, on Tuesday, from which it gradually declined to $62½ yesterday.

Lady Bryan met with an ordinary business at slightly declining rates until Thursday and Friday, when it was in large request at improved prices Upwards of 600 feet changed hands yesterday, more than the entire sales of the previous five days.

Uncle Sam has dropped from $650@$610.

Yellow Jacket is firm at previous figures—$750@$775.

Baltic is still held at $40, and Melones at $12.

Savage has dropped, during the week from $1,800@$1.200.

Imperial, after weakening a little during the early part of the week, rallied, and closed firm at previous figures.

Potosi has failed to maintain its advance of last week It has receded to its previous figure and may now be quoted at $1,000.

Golden Age and Empire still remains firm. This company has declared another dividend payable to-morrow.

For farther quotations we refer to our tabulated reports.

The Mining Laws of California.—H. B. Congdon has placed upon our table a copy of of the third Edition of his compilation of Mining Laws of California. So many additions and changes have been made since the publication of the first and second editions, that a third is imperatively called for. The work before us embraces the Mining Laws of California and Nevada Territory, and the Code of Mining Ordinances of Mexico, of 1783, complete, together with several important devices subsequently issued. It also contains a full and complete Digest of all the Decisions of the Supreme Court of California, bearing upon the subject of mining. The 'Forms" have also been carefully revised and made to conform to the demands which the latest legislation and experience demands. For sale by H. H. Bancroft & Co., Montgomery Street. It is a much needed work. We refer our readers to the advertisement of the work in another column.

Blake's Quartz Crusher.—We would call the attention of our readers to the advertisement of Blake's Quartz Crusher, which will be found in another column. This machine, which is one of the most economical rock breakers ever devised is the invention of Eli Whitney Blake, a nephew of the inventor of the cotton-gin, and is being rapidly introduced at our prineipal quartz mills for the purpose of breaking up the hard quartz preparatory to its being fed to other machinery for pulverization. These machines are already in operation, in Washoe, at the Silver State Reduction works, Land's Mills, Booth & Dalle's mill, and one has just been constructed at the Golden State Works, in this city, for the Santiago mill. It is stated that one of these machines, kept fully at work, will effect a saving of $75 per day over the ordinary manner of breaking rock. This machine was illustrated and noticed in full in our issue of January 16th, 1863. It is well worth the attention of all quartz mill men and especially those who are working upon a large scale.

Dividend.—The Eureka Gold Mining Company have declared a dividend of 1½ per cent. on their capital stock, payable on and after Tuesday last, at their office, 214 California street.

Fourth of July Orators.—Hon. E. D. Wheeler will deliver the Fourth of July Oration, at Santa Rosa. R. Guy McClellan has been engaged to speak on the same occasion at San Andreas.

Santa Clara College.—We acknowledge the receipt of the annual prospectus and catalogue of the Santa Clara College. The Faculty and other officers of this institution number twenty three. The number of Students is 211.

Narrow Escape.—Thos Shone, Alexander Matheson, and C. Tempel came near loosing their lives by the premature explosion of a blast in the Fort Ross Coal Company's mine, Sonoma county, on Wednesday, the 15th instant.

Saw Mill Burned.—The mill owned by Columbus Carlton, on Russian River, Bodega Township, was burned on the night of the 16th, together with seventy thousand feet of lumber, involving a loss of six thousand dollars.

The Petaluma *Journal* says it bears great complaint from many farmers that the late high winds have shattered out the ripening grain to such an extent that in many instances the grain will hardly be worth cutting.

Crops of Australia.—The crops of Australia have proven nearly a total failure this year. In most cases the wheat, owing to rust, was not worth threshing, while catterpillars and other insects devoured the rye and oats.

Several hundred men are engaged in grading a wagon road from the head of navigation on the Colorado river to Salt Lake. The distance is about 400 miles.

The all-important subject of the irrigation of the lands of San Joaquin valley, engrosses the attention of the agricultural community of that region.

The Yolo county newspaper has been removed to the county seat, and is now issued under the name of the *Woodland News*.

A Robbery of the stages containing the treasure forwarded in the care of Wells, Fargo & Co., from Virginia, took place on the 30th ult., near Perrin's Station, N. T. The stages were close together, and filled with passengers when in turning a short bend in the road, the lead horses of the first stage were seized and stopped. The robbers, who were armed with shot-guns and revolvers, demanded Wells, Fargo & Co's Express treasure, counseling the passengers to keep still if they wished to be unharmed. The gang then took from the first stage seven sacks of bullion, and from the treasure safe about $2,000 in gold coin. A dispatch from Placerville dated July 1st, at 2–15, P, M. states that a fight occurred between the highwaymen and parties sent in pursuit and gives the following particulars.

Upon reaching the Somers House, Mr. Staples having been assured by the landlady that the gang were in the house, procured a shot-gun, and opening the door informed them that they were his prisoners. Whereupon they fired instantly, killing Staples and wounding Mr. Renny. Staples wounded one of the gang in the head. The robbers robbed Staples's body of his watch, and would have killed Renny had not the landlady pleaded for his life. The gang say that they are good Jeff Davis men, and are not to be taken by any officers.

A party is just leaving for the body of Mr. Staples, and the wounded prisoner. The other five had left, declaring that they would return for their wounded friend. Mr. Staples has long been a resident of and office holder in El-Dorado County having occupied the responsible position of Deputy Sheriff for some time past. The latest dispatch states that there is great excitement in Placerville and the Towns adjacent in regard to the death of Staples.

Collision.—The Opposition Steamer Washoe was run into by the Yosemite, last evening, at the wharf at Benecia, and so seriously injured that she was immediately run upon the flats, just above the landing, to prevent her from sinking. Much indignation was manifested by the passengers on both boats, at what is said to be the culpable carelessness, to give it no harsher name, of the pilot of the Yosemite.

Yesterday, July 1st, was the beginning of the fiscal year 1864-65, and the following new officers entered upon their respective duties: George Cofran, Superintendent of Streets; Charles R. Story, Tax-Collector, and the newly elected Supervisors qualified last night. The outgoing officers have won and will wear the laurels of success, and the incoming ones have the full confidence of the community.

Yesterday, Maj.-Gen. McDowell assumed command of the Department of the Pacific. Gen. Wright continues in command of the District of California. Gen. McDowell announces Captains Haven and Cutting as Aids-de-Camp.

Mr. Bingham, the efficient and reliable Clerk of the Board of Supervisors, has, with an energy worthy of notice, succeeded in reducing the mass of papers under his control to an "absolute system," and on last evening presented to the Board of Supervisors a report that is a model one.

Dividend.—The Golden Age and Empire have declared another dividend, payable to-morrow. Professor Silliman has examined this mine and made a very favorable report with regard to its condition and prospects.

A Good Day.—On Wednesday of last week bullion valued at $108,732 96 was shipped to this city from Virginia. It was the largest shipment ever made in one day from that place, and weighed over two tons.

The Owen's River *Herald* is the name of a new semi-monthly newspaper. It is published at Bend City, in the Owen's River Valley.

The Potosi Report.—Prof Silliman's report of this important mine from the Mercantile Gazette of to day, will be found in our present issue.

F. Holton, a nephew, it is said, of General Butler, has recently been placed in the Stockton Insane Asylum.

WASHOE MINING ITEMS.

The Belcher Mining Company which declared its first dividend only a few weeks ago is in a fair way to pay dividends hereafter that will outdo its first one. We understand that it has during the present month taken out upwards of $50,000, and is taking out as much and as rich rock now as ever before.

The Green Company is drifting to the northeast along its ledge, and is taking out considerable quartz as it follows it along in that direction, but not enough to pay for crushing. The quartz is considerably mixed with dead-rock, and although it is of very good quality, it cannot well be separated from the worthless rock with which it is mixed. A considerable amount of pay rock was taken out a short time since, which was crushed and yielded very well. It was taken from the same ledge which is now being prospected, but at a point farther to the west.

The Central American Company continues to drive work ahead on its new shaft with all its former energy, notwithstanding the hard times. It employs three shifts of workmen, who relieve each other every eight hours, and so keep work going on all the time, both night and day. Its shaft is down about eighty feet. It is in firm ground, and has not been timbered yet. The ledge which this company is sinking for lies a little to the west of the shaft, and will be reached by a drift which will be run from the shaft after it has been carried down a short distance further. The company expects to find it rich where they intend to open it, which will be about a hundred and fifty feet below this level.

Coppers Company.—This company is drifting south on its ledge, and in doing so finds the latter to improve in appearance, size, and quality. A short distance south of the shaft is a ridge, or rise of ground, and when the drift came under this, the ridge was found to rise correspondingly. It has been found to be almost universally the case that when there is a raise in the surface of the ground through which a ledge runs, that the ledge also raises; and this, in all cases, whether the ledge crops out or is a blind one.

Overman.—Having placed their new pump in position, the Overman Company started up on Wednesday last, prosecuting the work of hoisting ore and exploring their claim. The pump has a ten-inch bore, and is driven by a separate engine from that used in hoisting. The water is pumped up to within 200 feet of the surface, where it is discharged into a drain tunnel leading out to a ravine. Cheering news may be expected from this mine shortly.

The Savage Company keeps at work sinking its mammoth shaft. It is now down 130 feet. It requires 500 feet of lumber and timber to line the shaft for every foot that is sunk at the present rate in which it is being constructed. Then, the intention is to put on machinery which will excel in power anything yet erected along the Comstock range. The great depth to which this company has already gone, and the much greater depth to which it intends to go with its mining works, calls for much more powerful machinery than has yet been brought to this Territory for mining purposes.

The Minerva and Omega Companies' hoisting-works are being hurried forward. The frame-work for each company is in an advanced state. The machinery has not yet arrived upon the ground, but is expected every day.

At the depth of 340 feet the La Plata Oro Company have experienced such an influx of water that they have found it impossible to hoist it out with a whim.

The Mexican Mine is shipping a large amount of ore daily to various reduction works.

Work is being vigorously prosecuted on some dozen different claims in Flowery.

A flagstaff is to be planted on the top of Mount Davidson on the Fourth, from which the starry banner wil be displayed.

The Milton Company are going to get out fifty tons of ore from their mine for crushing. It is thought it will pay well.

New this Week.

Great Western Tunnel and Mining Company,
Aurora, N. T.

Notice is hereby given that a Stockholders' Meeting of the above company will be held in this city, in the office of the Company, No. 20 Exchange building, corner Washington and Montgomery streets, on Saturday, August 6th, 1864, at 2 o'clock P. M. By order of the Board of Trustees.

JOSEPH C. FORD, Secretary.

San Francisco, July 1st, 1864. 1

Schmeltzer Mining Company, American
District, Humboldt County, Nevada Territory.

A Stockholders' meeting of the Schmeltzer Mining Company will be held at the office of the company, 645 Clay st., on Wednesday, the 3d of August, 1864, at 7½ P. M., for the election of officers, and such other business as may be presented. M. G. ELMORE, Secretary.

San Francisco, July 2, 1864. 1-4t

Meder Gold and Silver Mining Company, Santa
Cruz County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 4th day of June, 1864 an Assessment of fifteen (15) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the Office of the Company, No. 537 Washington Street.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 9th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 25th day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. MILO CALKIN, Secretary.

Office, No. 537 Washington street, San Francisco. 23-5t

Cayour Gold and Silver Mining Company, Amador District, Lauder County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of April, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately in United States gold coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. JOSEPH C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Great Western Tunnel and Mining Company,
Aurora, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 27th day of June, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. JOS. C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Silver Age Mining Company, Amador District,
Lander county, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of One and Fifty Hundredths ($1.50) Dollars per Share was levied upon the Capital Stock of said Company, payable immediately to the Secretary in United States Gold Coin, at the office of the company in this city.

Any Stock upon which said Assessment shall remain unpaid on the 13th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees. SAM. P. HOWES, Secretary.

Office, 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 1-4t

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

There are delinquent, upon the following described Stock, on account of assessment levied on the 24 day of June, 1864 the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Mary J Little	392	1	20
do do	393	2	40
do do	394	2	40
do do	397	5	1 00
do do	398	5	1 00
do do	468	5	1 00
do do	469	5	1 00
Timothy P Riordda	578	151½	30 24
do do	224	5	1 00
do do	225	5	1 00
J D Van Devort	68	2	40
do do	69	20	4 00
do do	70	20	4 00
do do	71	20	4 00
do do	72	10	2 00
do do	73	10	2 00
do do	74	10	2 00
do do	75	5	1 00
do do	76	5	1 00
do do	77	5	1 00
do do	78	5	1 00
do do	79	100	20 00
do do	80	98 2-5	19 68
do do	545	64 2-5	12 08
do do	546	20	4 00
do do	547	20	4 00
do do	548	20	4 00
do do	554	5	1 00
do do	555	5	1 00
Martin Kelley	486	50	10 00
do do	537	20	4 05
do do	538	23	4 60
Anthony Huck	406	3	60
John H Bell	410	5	1 00
George Roland	411	2	40
Alice Devine	437	2	40
Charles F Hayward	35	5	1 00
do do	36	5	1 00
do do	39	5	1 00
do do	40	5	1 00
do do	41	5	1 00
do do	42	5	1 00
do do	47	10	2 00
do do	50	10	2 00
Wallace Everson	64	100	20 00
John Landers	101	50	10 00
do do	102	50	10 00
do do	104	20	4 00
P S Venard	332	5	1 00
James Herron	486	50	10 0
do do	532	25	5 00
do do	533	25	5 00
S P Taylor	20	2	40
do do	202	2	40
do do	203	2	40
do do	204	2	40
do do	205	2	40
do do	206	2	40
do do	207	2	40
do do	208	2	40
do do	209	2	40
do do	214	2	40
do do	217	2	40
do do	218	2	40
do do	306	10	2 00
do do	307	10	2 00
do do	308	10	2 00
do do	311	10	2 00
do do	312	10	2 00
do do	313	10	2 00
do do	314	10	2 00
do do	322	25	5 00
William Gleeson,	440	3	60
John Phillips,	445	3 2-5	68
James Denin	453	1	20
John Bolger	455	1½	30
Thomas Rim	456	1½	30
Henry Terry	465	5	1 00
John K Moora	556	20	4 00
do do	557	20	4 00
do do	558	10	2 00
do do	559	10	2 00
do do	560	5	1 00
F W Peterson	240	1	20
do do	242	2	40
do do	246	2	40
do do	247	3	60
John D Kersey	467	10	2 00
John A Lay	478	10	2 00
do do	479	10	2 00
do do	480	20	4 00
do do	481	10	2 00
do do	482	20	4 00
do do	483	10	2 00
do do	484	40	8 00
Thomas Soloman	505	5	1 00
do do	506	10	2 00
do do	507	10	2 00
do do	509	5	1 00
A G Turner	508	10	2 00
H E Wheaton	539	10	2 01
do do	540	15	3 00
do do	541	20	4 00
do do	542	5	1 00
do do	543	5 1-5	1 05
Lydia F Balcom	550	20	4 00
W A Suhlett	551	5	1 00
C W M Johnson	552	5	1 00
Joseph Shelley	553	5	1 00
John S Newton	564	5	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 21 day of June 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Messrs. Jerome Rice & Co., 327 Montgomery street, San Francisco, on Monday the 18th day of July, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEORGE W. GILDERSLEEVE, Secretary.

Office, 302 Montgomery street. 1t

Schmeltzer Mining Company, American
District, Humboldt County, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock, on account of assessment levied on the 11th day of April, and 25th day of August, 1863, the several amounts set opposite the names of the respective shareholders, as follows:

ASSESSMENT NO 1, LEVIED APRIL 11, 1863.

Names.	No. Certificate.	No. Shares.	Amount.
Holt Warren, 15, 16, 17, 18,	20, 21, 23, 24, 5 sh's ea	40	$10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B	189 & 189½ 100 sh's ea	200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 196 197, 25 sh's ea	100	25 00
do do	194 & 195, 10 sh's ea	20	5 00
do do	199	13	3 25
Brown, John	206	20	5 00
Dikeman, J		186	46 50
Catlin, E	202	40	10 00
Dryden, W R	205	55	13 75

ASSESSMENT NO. 2, LEVIED AUGUST 25, 1863.

Neal, T H	42	1	25
Holt Warren	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B	189 & 189½ 100 sh's ea	200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 196, 197, 25 sh's ea	100	25 00
do do	194 & 195 10 sh's ea	20	5 00
do do	199	13	3 25
do do	198	20	5 00
Barker, B M	167	1	25
do do	10	10	2 50
do do	164	25	6 25
Brown, John	163	70	17 50
do do	206	20	5 00
Schmeltzer, Geo	60	3	75
do do	26 and 28 5 sh's ea	10	2 50
do do	70	2	50
do do	108	15	3 75
Neal, Z H	136	23	5 75
do do	44 142 143 50 sh's ea	150	37 50
do do	144	25	6 25
do do	151	14	3 50
Schmeltzer, John	109 110 111 112 5 sh's ea	20	5 00
do do	113 114 115 117 10 sh's ea	40	10 00
do do	118 119 120 121 122 123 15 sh's ea	90	22 50
do do	123 124 125 20 sh's ea	60	15 00
do do	6 126 127 25 sh's ea	75	18 75
do do	131 132 133 100 sh's ea	300	75 00
do do	129	50	12 50
Bryan, Henry,	32	50	12 50
do do	33	25	6 25
do do	35	8	2 00
Davis, W H	9	5	1 25
Ranson L	41	25	6 25
Knapp W H	48	20	5 00
do do	71 and 72 10 sh's ea	20	5 00
Wolf, J M	60	5	1 25
Pray, I C	92	118	29 50
Douglas J M	76	5	1 25
do do	63	1	25
do do	152	10	2 50
Haine Joseph	66	20	5 00
Woodward Wm	79	100	25 00
do do	74	10	2 50
Christian E J	78	5	1 25
Hayward B	178	90	22 50
McDonald D A	82	10	2 50
Parks W A	83	5	1 25
Bucklin E P	91	7	1 75
Whiting W J	96	5	1 25
Hill M M	95	10	2 50
do do	97	5	1 25
Conolly W J	99	10	2 20
do do	100	14	3 50
Treadwell J J	101	5	1 25
do do	180	5	1 25
McDonald Marla B	104	5	1 25
Mayer Robert	107	5	1 25
Hailey D L	139	10	2 50
Hanson L B	153	10	2 50
Brereton J	166	8	2 00
Darnell H Y	167 and 169 10 sh's ea	20	5 00
do do	159 160 161 162 20 sh's ea	80	20 00
Burdick E B	175	5	1 25
Brown R W	172	5	1 25
Webb F A	177	10	2 50
Bewley A H	179	5	1 25
Trakey E D	181	25	6 25
Robertson W E	184	10	2 50
do do	182 and 183 25 sh's ea	50	12 50
Welton M	188	5	1 25
Catlin E	202	40	10 00
Dryden W R	205	55	13 75
McLane J	151	20	5 00
Dikeman Joseph	not issued	186	46 50

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, 645 Clay street, on the 3d day of August, 1864, at the hour of 10, o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary.

Office, 645 Clay street, San Francisco, July 2, 1864. 1-4t

Lady Adams Gold and Silver Mining Company.

Gertrude Gold and Silver Mining Company.

Peaslee & Sparks Gold and Silver Mining Company. Location, Reese River District, Lander county, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock on account of assessments levied on the 28th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

LADY ADAMS GOLD AND SILVER MINING COMPANY.

Names.		Shares.	Amount
Barnes, Thos	Certificate, 0	10	$2 00
Burton, A P	cer 116 117		
	Shares 5 5	10	2 00
Brown, L A	cer 123	5	1 00
Bennett, Nathaniel	cer 145	10	2 00
Blok, J N	cer 183 211		
	shs 25 10	35	7 00
Banian, Martin	cer 193	10	2 00
Bohn, Daniel	cer 232	5	1 00
Bradford, C H	cer 245 246		
	shs 5 5	10	2 00
Brand, Ernest G	cer 380	10	2 00
Campbell, H C	cer 127	10	2 00
Colin, H	cer 2 8	5	1 00
Cornwall, P B	cer 83 87 88 220		
	shs 10 10 10 20	50	10 00
Eckley, C R	cer 122	5	1 00
Earl, Delia	cer 187 188		
	shs 5 5	10	2 00
Ebner, Gottfried	cer 190	5	1 00
Ellis, Mrs H M	cer 209	20	4 00
Flagan, Catharian	cer 217	5	1 00
Gallman, S	cer 385	5	1 00
Grimbauin, M S	cer 227	5	1 00
Geblard, Fredk	cer 363	5	1 00
Hill, R T	cer 5 134 380		
	shs 10 25	45	9 00
Hoffman, Charles	cer 84 65 70 74		
	shs 25 10 5 5	45	0 00
Harris, Henry	cer 372	5	1 00
Kipp, Ignats	cer 29 252 364 376		
	shs 10 10 5	30	8 00
Klopstock, G	cer 149 150 151 152		
	shs 25 10 10 5	50	10 00
Lonch, Orlando	cer 133	5	1 00
Lovan, G	cer 189	10	2 00
Luning, N	cer 245	10	2 00
Levison, Bertha	cer 307	5	1 00
Milliken, J F	cer 168 169		
	shs 23 2	25	5 00
Mitgu, Geo	cer 208	5	1 00
Long, Thomas	cer 378	10	2 00
McCormick, Salin J	cer 228	5	1 00
Manheim, Estelle	cer 250	10	2 00
Mandgi, Joseph	cer 368	5	1 00
Merkle, Charles	cer 181	5	1 00
Nolden, William	cer 177 178		
	shs 10 10	20	4 00
Newbauer, Greenhood	cer 227	5	1 00
Polk, R T	cer 258	10	2 00
Perry, Samuel R	cer 154	10	2 00
Perkins, W L	241	200	10 00
Phillip, R	cer 204	10	2 00
Ramsey, L W	cer 247 248 256 258		
	shs 10 10 25 5	50	10 00
Redrith, S	cer 370	5	1 00
Smith, A K P	cer 135 159		
	shs 50 8	58	11 60
Stewart, H James	cer 273	5	1 00
Thompson, T H	cer 148 180 181	20	11 00
	shs 10 5 6	20	
Taggard & Co	cer 225	10	2 00
Trenor, Eustace	cer 242	9	1 80
Whitucy, Jr J	cer 1 2 3 224		4 00
	shs 10 10 20 10	50	10 00
Watson, W G	cer 173	25	5 00
Warner, W C	cer 162 163 164 165		
	shs 10 10 10 10		
Warner, Wm C	cer 188 157		
	shs 5 5	50	10 00
Warschaun, A	cer 181	10	2 00
Wentworth, D	cer 188	5	1 00
Woodbury, C E	cer 195	5	1 00
White, Joseph	cer 197	10	2 00
Watson, N A	cer 208	5	1 00
De Wood, S A	cer 219	5	1 00
Wade, J P	cer 222 384		
	shs 5 5	10	2 00
Williams, J B	cer 240	10	2 00
Wood, Geo	cer 246	5	1 00
Wilson, W	cer 371 374		
	shs 5 10	15	3 00
Yates, W H	cer 218	5	1 00

GERTRUDE GOLD, AND SILVER, MINING COMPANY.

		Shares.	Amount.
Barclay, Geo R	cer 7 8		
	shs 25 25	50	12 50
Bernis, Chas E	cer 89	12	3 00
Cameron, Salton	cer 24 25 26 27		
	shs 50 25 15 10		
Cameron, Salton	cer 28 29 30 31		
	shs 10 9 8 7		
Cameron, Saltoa	cer 22 33 34		
	shs 6 5 5	150	37 00
Cosgrove, P G	cer 93	7	1 75
Drummoud, R A	cer 35 38 37 39		
	shs 50 25 15 10		
Drummond, R A	cer 40 41 42 43		
	shs 9 8 7 6		
Drummond, R A	cer 44 45		
	shs 5 5	140	35 00
Goodwin, Ghas	cer 18 14 15 10		
	shs 50 16 10 10		
Goodwin, Ghas	cer 17 18 19 20		
	shs 5 5 8 7		
Goodwin, Ghas	cer 21 25		
	shs 9 6	125	31 50
Hill, Richard	cer 91 92		
	shs 5 5	10	2 50
Kentfield, Geo	cer 92	25	8 25
Learned, A S	cer 71 72 73 74		
	shs 50 25 15 10		
Learaod, A S	cer 75 76 77 79 81		
	shs 10 9 8 8 5	138	34 00
Loacy, Geo	cer 57 58 59 60		
	shs 25 10 10 5		
M'Cloud, Neil	cer 46 47 48 49		
	shs 50 25 15 10		
M'Cloud, Neil	cer 50 51 52 53		
	shs 10 9 8 7		
M'Cloud Neil	cer 54 55 56		
	shs 6 5 5	150	37 00
Miller, W J	cer 0 10 11 12		
	shs 25 10 10 5	50	12 50
Milliken, J T	cer 90	5	1 25
Pond, A A	cer 94	10	2 00
Smith, W A	cer 83 84 85 86		
	shs 25 10 10 6	50	12 00
Thompson, T H	cer 61 62 63 64 65		
	shs 25 15 10 10 9		
Thompson, T H	cer 66 68 69 70		
	shs 8 8 5 5	93	23 25
Warner, S M	cer 3	5	1 25

PEASLEE AND SPARKS, GOLD AND SILVER MINING COMPANY.

		Shares.	Amount.
Bivins, Alex	cer 44	20	5 00
Bourne, W A	cer 26 27 28 29 30		
	shs 100 50 20 20 8	198	49 50
Greigh, S W	cer 4 5		
	shs 20 17½	37½	9 37
Copen, E E	cer 16 25 31 37 43		
	shs 12 12 12 12 12	60	15 00
Groves, Dock	cer 32 83 84 35 36		
	shs 100 50 20 20 8	198	49 50
Hill, R T	cer 12	10	2 50
Greenwell, J W	cer 17 18 45 46 47		
	shs 30 13 10 10 10	73	18 25
Norris, Jas G	cer 6	20	5 00
Noyes, E S	cer 1 0 10		
	shs 20 10 7½	37½	9 37
Peaslee, John	cer 38 39 40 41 42		
	shs 100 50 20 20 8	198	49 50
Reed, Wm H	cer 15	60	15 00
Smith, Wm A	shs 3	10	2 50
Sparks, L K	cer 20 21 22 23 24		
	shs 100 50 20 20 8	198	49 50

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company No. 305 Montgomery Street, on the 16th day of July, 1864, at 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. F. HUGHES, Secretary.

Office, No. 8 Mead House, 305 Montgomery Street, San Francisco. 1

San Francisco Gold and Silver Mining Co.

Rock Spring District, San Bernardino County, California.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows, being five cents per share:

Names.	Certificate.	Shares.	Amount.
Allen, H T	17	70⅘	
do	18	68	
do	19	68	10 83
Austin, F B	181	8	
do	182	25	
do	183	10	
do	184	10	
do	185	10	3 15
Burnett, E S	95	5	25
Brown, Samuel	180	5	25
Cheney, Jas	68	163⅘	
do	66	20	
do	67	20	
do	69	10	
do	74	10	
do	78	5	
do	80	5	3 43
Conrad, D	118	7¼	
do	119	10	
do	120	10	
do	121	7¼	1 72
Chapin, G W	143	4 7-12	25
Currie, G C	218	5	25
Dowuie, J J	85	10	
do	207	5	
do	208	5	
do	209	8	
do	210	20	
do	211	10	
do	212	10	
do	213	10	
do	214	10	4 40
Edgeworth, P	170	5	25
Flint, W K	141	8⅘	44
Foster, W W	127	10	50
Hamilton, C	21	20	
do	22	20	
do	28	10	
do	29	5	
do	31	5	
do	33	5	3 25
Hathaway, Chas	172	40	2 00
Harrington, Geo	97	10	
do	98	6	80
Knowles, S H	1 & 2 5 ea	10	
do	3 & 5 10 ea	20	
do	9 & 10 10 ea	20	
do	12 & 13 50 ea	100	
do	14	163⅘	8 33
Livermore, H C	84	216⅔	10 83
Mahan, H W	210	10	50
Oliphant, H D	147	17¼	87
Rowley, J B	142	4	20
Schumacher, L	48	1383⅘	6 93
Smith, W P	85	10	
do	86	10	
do	87	10	
do	88	10	
do	91	10	
do	92	10	
do	93	10	
do	109	10	
do	110	10	
do	111	10	
do	148	6⅔	
do	149, 150, 151, 152, 153, 154, 155, 156, 157	5 ea	45	7 58
Smith, I F	94	78⅘	3 93
Stone, S A Jr	113	10	50
Stilwell, B F	186	15	75
Taylor, John	114	25	1 25
Thurber, I L	228	10	50
Upinm, I M	171	5	25
Whiting, W J	90	50	2 50
Wells, O M	217	20	1 00
Webster, H E	220	5	25

And in accordance with law, and an order of the Board of Trustees made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, Room 8, 511 Clay street, San Francisco, on the 16th day of July, 1864, at 12 o'clock M., of said day, to pay said delinquent assessments, together with the costs of advertising and expenses of the sale.

G. BOWER, Secretary.

Office, 511 Clay street, San Francisco. 1

Kate Lamar Gold and Silver Mining Company,
Reese River District, Lander Co. N. T.

There are delinquent upon the following described stock, on account of assessment number one, levied November 17, 1863, and assessment number two, levied March 21st, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
John Ridgeway, 8, 9, 10, 11, 12, 13, 14,	1, 3, 4, 5, 6, 7,	111¼	$74 00
William Terry, 22, 23, 24, 25, 26, 27, 28, 29,	15, 16, 19, 20, 21,	108¾	54 35
Geo. L. Hendricks,	56	8¾	4 38
C S Johnson,	61	10	5 00
A Hartman, Sr.	93	10	5 00
Elizabeth Hartman,	78	5	2 50
Michael Widrow,	79, 80, 81, 82	87½	43 75
Robert Hutchinson,	not issued	10	10 00
W W Hartman,	not issued	40⅘	40 63
John McBrown,	not issued	43¾	43 75
H H Pearson.	not issued	21⅘	21 88

And in accordance with law and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the the company, No. 26, Montgomery Block, in the city of San Francisco, on the 6th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessments thereon, together with the costs of advertising and expenses of sale.

F. G. APPLETON, Secretary.

Office, No. 26 Montgomery Block. 1-4t

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

THE BANK OF CALIFORNIA.

INCORPORATED UNDER THE LAWS OF THE STATE.

Capital Stock, *(Paid up in Gold Coin,)*..**$2,000,000.**

WITH THE PRIVILEGE OF INCREASING TO

$5,000,000.

STOCKHOLDERS.

SAN FRANCISCO.

D. O. Mills, Wm. C. Ralston, R. S. Fretz, J. B. Thomas, Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. O. Earl, Wm. Norris, J. Whitney, Jr., O. F. Giffin, A. J. Pope, Herman Michels, Frederick Billings, George H. Howard, H. F. Teschemacher, A. Hayward, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Henry, J. C. Wilmerding, Wm. Alvord.

PORTLAND, OREGON.

Jacob Kamm.

D. O. MILLS, Pres't. WM. C. RALSTON, Cash'r.

Correspondents in New York, LEES & WALLER, No. 33 Pine street.

Correspondents in London, BANK OF LONDON.

THE UNDERSIGNED GIVE NOTICE THAT THE ABOVE named corporation has been organized for the purpose of carrying on the Banking and Exchange Business, in all its branches, in this City and with the interior of this State, the neighboring State and Territories, and with Mexico; also with the Atlantic Cities, Europe, China, and the East Indies; for which they are provided with amp e facilities, and in conformity with articles of association will commence operations on the fifth day of July next, at the Banking House now occupied by Donohoe, Ralston & Co., corner of Washington and Battery Streets.

With the view of giving to the business of the corporation all the efficiency and promptitude of a private banking firm, together with that confidential seclusion of private business matters so generally desired, the immediate management of its affairs is committed exclusively to D. O. Mills and Wm. C. Ralston as President and Cashier respectively, to whom, or either of them, the customers of the Bank will apply in all business matters. The regular meetings of the Board of Trustees will take place monthly.

The undersigned deem it advisable to call particular attention to the following peculiarities of their organization, which are positively binding on all its members:

First.—Sales of its Capital Stock can be effected only after due appraisement by Stockholders selected for that special purpose; and the Trustees of the corporation have, in all cases, the right to become purchasers of the Stock appraised at the appraisement, for the benefit of the remaining Stockholders. This restriction is printed upon each Certificate of Stock.

Second.—Loans cannot be made to Stockholders, except upon collaterals other than their Shares in the Capital Stock of this Bank.

Trustees:

D. O. Mills, Louis McLane, Wm. Norris, Jno. O. Earl, Herman Michels, W. C. Ralston, J. B. Thomas, Thos. Bell, A. C. Peix, O. F. Giffin, Jas. Whitney, jr.

San Francisco, June 18th, 1864. 26-1m

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly of the city of New York, and Joseph A. Donohoe, Wm. C. Ralston, and Ralph S. Fretz, of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO., San Francisco, will cease on the 1st day of July 1864, Eugene Kelly and Joseph A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly, and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the banking house of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, attorney,)
JOSEPH A. DONOHOE,
WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 13, 1864.

THE UNDERSIGNED, CALLING ATTENTION TO THE above card, give notice that on and after the first day of July next, they will continue the business of the above copartnership without interruption, at the old banking house of Donohoe, Ralston & Co., in this city, under the firm name of FRETZ & RALSTON, and in New York through the agency of Messrs. LEES & WALLER, No. 33 Pine street; and that on and after the 5th day of July next, they, together with D. O. Mills, J. B. Thomas, Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. O. Earl, Wm. Norris, J. Whitney, Jr., O. F. Giffin, A. J. Pope, Herman Michels, Frederick Billings, Geo. H. Howard, H. F. Teschemacher, A. Hayward, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Wilmerding and Wm. Alvord of San Francisco, and Jacob Korn, of Portland, Oregon, being formed for that purpose duly incorporated under the laws of this State, will carry on the business of banking in all of its various branhees at the same place and through the same agency, and upon the basis of a Gold and Silver currency, under the name of

THE BANK OF CALIFORNIA.

D. O. MILLS and WM. C. RALSTON will be charged with the management of the business of the Corporation.

WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 15, 1864. 25-1m.

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly, of the city of New York, and Joseph A. Donohoe, William C. Ralston, and Ralph S. Fretz of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO., San Francisco, will cease on the first (1st) day of July, 1864. Eugene Kelly and J. A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the Banking House of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, Attorney.)
J. A. DONOHOE,
W. C. RALSTON,
R. S. Fretz.

San Francisco, June 13th, 1864.

THE UNDERSIGNED HAVE FORMED A COPARTNERship for the transaction of a general Banking and Exchange Business, under the firm name of DONOHOE, KELLY & CO., in San Francisco, and EUGENE KELLY & CO., in New York, commencing July 1st, 864. Their Banking House in this city will be at the southeast corner of Montgomery and Sacramento sts.

EUGENE KELLY,
JOSEPH A. DONOHOE.

San Francisco, June 15th, 1864. 26-1m

Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

629 Washington Street, San Francisco, Cal. 10v8-1m

D. NORCROSS,

MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.

aug17-tf Masonic Temple, No. 6, Post Street.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.

No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

WM. T. COLEMAN & CO.,
70 WALL STREET,
NEW YORK.

BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.

Buy and sell Exchange on California, Oregon and Western Cities.

Grant Letters of Credit, available in any part of the United States.

Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.

Receive consignments of produce from California and Ports in the Pacific.

Make advances upon approved merchandise consigned to our San Francisco house.

Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.

Buy and sell and charter Vessels for all trades.

AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.

Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. of the par value is always required.

We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,
70 Wall street, New York,
18Sv And California and Front streets, San Francisco.

Advance Made on Copper Ores,

WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.

WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,

PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco,

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order, they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE
Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 103 & 112 Jessie Street, San Francisco. 26-3m

COMPLIANCE WITH LAW.

THE PHŒNIX
Insurance Company,
—OF—
Hartford, Conn.,

HAS MADE FULL COMPLIANCE WITH THE STATE LAW BY DEPOSITING

$75,000

With Messrs. Banks & Co., Bankers, and holds

Controller's Certificate of Authority.

The patronage of the insuring public is respectfully solicited for this first-class American Insurance Company.

AGENTS IN ALL CITIES, TOWNS AND VILLAGES.

R. H. MAGILL,
General Agent.

CITY OFFICE—James King of William Building, Southwest corner of Montgomery and Commercial Streets, (Entrance, No. 603 Commercial.)

L. B. DELL, Resident Agent.

I. FRANK, City Solicitor. 20-tf

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 23 Government Building, corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President.
D. S. CUTTER.....Secretary & Treasurer.

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
— MANUFACTURERS AND IMPORTERS OF —
HARNESS AND SADDLES,

BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,

407 Battery Street, between Clay and Merchant Street, San Francisco.

N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,

No. 422 California street, corner of Leidsdorff.

Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

G. E. MOORE,
Assayer and Analytical Chemist,

Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 534 Montgomery Street.

REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!

Promptness and Accuracy Secured,

BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!

J. H. CHURCHILL, M. A.,
Consulting Chemist, [from Europe.]
24 Government Block, corner of Sansome and Washington Streets, San Francisco.

Refer to the Editors of this journal.

☞ "HINTS FOR PROSPECTORS" free by post. 1tf

JOHN SCOTT,
Metallurgic Chemist
— AND —
ASSAYER OF ORES, MINERALS AND METALS,

No. 507 Jackson Street, above Montgomery, San Francisco.

WORKING ASSAYS MADE ON LARGE OR SMALL quantities ties of Ore by the most approved methods, and instructions regarding the reduction of them, in general, given. Assaying of Ores, etc., taught, either by the wet or dry method. Silver Ores reduced by means of Electricity.

☞ Terms moderate, and all results guaranteed. 11-tn

Kustel Brothers'
METTALLURGICAL WORKS;

Bryant Street, Between Third and Fourth, San Francisco.

☞ Office, 418 Montgomery Street. ☜

☞ Gold and Silver Ores Reduced.

Practical Assays made of Gold, Silver and Lead Ores.

19-tf Also Cupellation and Refining of Silver and Gold.

Evening Instruction in Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 10th, 1864. 20

DEETKEN & CO'S

METTALLURGICAL WORKS,

FOR THE REDUCTION OF

SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND GOLD,

Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.

WORKS—On the San Bruno Road.

OFFICE—No. 315 Montgomery St., San Francisco. 16tf

NEW FOUNDRY.

SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

THE UNDERSIONED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,

And Manufacturers of California Pails, Tubs, Brooms, Etc.,

217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

CALIFORNIA, AUSTRALIA, WASHOE, ENGLAND, FRANCE,
— AND —
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER,
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. Idaho City. E. TYLER. Michigan Bluff. WM. P. BLAKE. San Francisco.
1-3m

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation on Sutter st., between Montgomery and Sansome, in the rear of the Vulcan Forge Machine Shop, where miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

1-4t W. A. H. TOWN, Secretary.

Lloyd's New Amalgamator
Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 6 0 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 15½ ozs. Ryerson's machine having only got 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold.....$73 33
Silver.....42

To the Ton.....$73 75

The assay being made by Messrs. Molitor & Co.

From 20 pounds of the same ore, worked for the same party, was obtained:

Gold.....$63 30
Silver.....04

To the Ton.....$63 34

Assay made by Kellogg, Hewston & Co.

The mine from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $8 per ton. Varney's Pan has obtained as high as $15 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $53 54.2 per ton; and over the works at the mill, $62 54.2 per ton. Result from 15 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $0.19, Silver, $1.52, amounting to $2.71-100—equal to $361.33-100 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Doetken, at his metallurgical works in this city, obtained by the Varney Pan $154 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 65 pounds of ore from the Lady of the Lake Company, Leland Lode, San Francisco District, Arizona Territory, worked for C. W. G. Rowell, was obtained $7.48 in gold, $0.25 in silver—$7.69—equal to $2.6.18-100. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Hewston & Co., yielded $7.58-00—equal to $152 to the ton. Difference in favor of Lloyd being $154.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and is certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other matters, can be addressed to the care of Messrs. Kustel Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metals arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a larger percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Albany Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through the screen and forced under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surfaces to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of gold again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS YARNEY.

scp21

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general use and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS,

NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 14v8-tf

Vulcan Iron Works Company.
P. TORQUET, Manager.

Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers.

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Jonval and other Turbine Water Wheels with latest improvements.

No. 137 & 139 First Street San Francisco. tf

Mechanical.

SAN FRANCISCO FOUNDRY
AND LAHCINE WORKS,
Corner Fremont and Mission streets,
SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.

☞ Steam Engines constantly on hand.

Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.

☞ REPAIRING promptly attended to.

DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz mill machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

☞ Parties dealing to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 11-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.

A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INCOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.

Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

REYNOLD'S
Patent Cut-Off and Governor,
For Steam Engines,
127 of these Invaluable Machines
ARE NOW IN USE
In California and Nevada Territory, giving a perfectly regular motion and
Saving 20 to 75 per cent of the Fuel.

Steen's Improved Governor
IS THE CHEAPEST, SIMPLEST AND QUICKEST TO act and least liable to get out of order of any Governor in use. It can be seen in operation at the Golden State Iron Works, at the Stone Breaker, foot of Montgomery Street and at the Sugar Refinery, 8th Street, San Francisco.

Steam Engines, Boilers, Pipes,
Hydraulic Presses, Shafting, Pulleys, Etc., Etc., bought and sold the best market rates.

Anti-Incrustation Powder,
A sure remedy for Scale in Steam Boilers, without injury to the Iron. In use for the past EIGHT years.
☞ MACHINERY MADE AND REPAIRED. ☜
—REFER TO—
Sagar Refinery, San Francisco,
Cottell & Co., San Jose,
L. A. Booth, Esq., Virginia City,
And 2,000 others in the United States.
E. T. STEEN.
1-tf Nos. 37 & 39 Fremont Street and 42 & 44 Beal Street.

H. B. HINCKLEY, WM. E. WORTH, WM. A. FIELD

Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

A. S. HALLIDIE & CO.,
Wire Rope Manufacturers,
Established 1857.
Office, No. 412 Clay street—Works, North Beach,
SAN FRANCISCO.

After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for
HOISTING FROM DEEP MINES,
GUY ROPES FOR DERRICKS, &c.
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
SASH CORD FOR WINDOW SASHES,
ETC., ETC., ETC., ETC., ETC., ETC.

It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.

MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.

Wire Fencing Strand.
For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.

Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.

WIRE SUSPENSION BRIDGES AND AQUEDUCTS

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Stars and Stripes Copper Mining Company,

Rock Creek District, Calaveras county.

There are delinquent upon the following described stock, on account of assessment levied on the 21st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shs.	Am't
R S Findley.	not issued	150	$15 00
Daniel Hunt,	do	150	15 00
Kendrick Hunt,	do	150	15 00
John Findley,	do	150	15 00
John Grier,	do	150	15 00
John Black,	do	150	15 00
Ben McDonald,	do	150	15 00
Robert McDonald,	do	150	15 00
Smith Gildersleeve,	do	75	7 50
Sam Brummer,	do	150	15 00
Conrad Ityser,	do	150	15 00
Ed Cornilius,	do	150	15 00
Hammond Oatman,	do	150	15 00
Rau Dean,	do	160	15 00
Augustave Shriver,	do	150	15 00
Jos Been,	do	150	15 00
O K Smith,	do	150	55 00
Obe Nauby,	do	150	15 00
L Solar,	do	150	15 00
R Stemgat,	do	150	15 00
Y B Smith	do	150	15 00

And in accordance with law and an order of the Board of Trustees made on the 21st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at John Black's Hotel, on the 9th day of July, 1864, at the hour of 12 o'clock M, of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. J. J. FINDLEY, Secretary.

1-2t Office, on Rock Creek, Calaveras co., California.

It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

OTIS V. SAWYER,

NOTARY PUBLIC,

And Commissioner for Nevada Territory.

Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. [23 4t] W. W. WIGGINS.

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Mining Notices.

Advertised in Previous Issues.

Aspinwall Gold and Silver Mining Company,

Amador District, Lander County N. T.

Notice is hereby given that at a meeting of the Trustees of said Company, held on the 10th day of June, 1864, an assessment of fifty cents (50) per share was levied upon the Capital stock of said Company, payable immediately, in U. S. Gold Coin, to the Secretary, at the office of the Company, 429 Pine street, San Francisco, or to J. E. Bowie, at Amador City, N. T.

Any stock upon which said assessment shall remain unpaid on the 15th day of July, will be advertised as delinquent, and unless payment shall be made before, will be sold on the 31 day of August, A. D. 1864, to pay the said delinquent assessment, together with cost of advertising and expenses of sale.

24-4t JOSEPH HEALY, Secretary.

Astor Ledge and Company, Big Creek District,

Lander county, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of May, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately, to the Secretary, at No. 3, Armory Hall, 3d floor, corner of Montgomery and Sacramento streets, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 4th day of August, 1864, to pay the delinquent assessments, together with costs of advertising and expenses of the sale.

S. PURDY, Secretary.

Office, Armory Hall, corner Montgomery and California streets, San Francisco. 25-4t

Amador Consolidated Silver Mining Company,

Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an assessment of Four Dollars per share was duly levied, upon the capital stock of said company, payable on the 27th day of June, 1864, in gold coin of the United States of America, to the Secretary, at the office of the Company, No. 623 Washington street, in the city of San Francisco.

Any stock upon which said assessment shall remain unpaid on the 27th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of August, 1864, to pay the delinquent assessments and cost of advertising and expenses of sale. F. S. GARTER, Secretary.

26-5t Office, 623 Washington street, San Francisco.

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, San Francisco, June 22d, 1864.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held November 2d, 1863, an assessment, No. 1, of twelve and a half (12½) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No 2, of twelve and one half (12½) cents per share was levied upon the Capital Stock of said Company. Both assessments, Nos. 1 and 2, payable immediately, in United States gold coin to the Treasurer, at the office of said Company, or to John Moffet, Superintendent of said Company, at the mine, in Nevada Territory.

Any stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. JOHN SHAW,

26-5t President.

Blue Dragon Mining Company, Inyo District, Tulare County, California.

NOTICE.—There is delinquent upon the following described stock, on account of assessment levied on the 23d day of May, 1864, the several amounts set opposite the names of respective shareholders, as follows:

Names.	No. Certif.	No. Shares.	Amt.
John H Bolton	137	100	$20
Oscar Burnham	113	25	5
Samuel Burrell	100	10	2
John Cerf	53	10	2
John Cerf	54	10	2
John Cerf	55	10	2
John Cerf	56	10	2
John Cerf	57	10	2
John Cerf	58	10	2
John Cerf	59	10	2
John Cerf	60	10	2
John Cerf	61	10	2
John Cerf	62	10	2
John D Chace	17	100	20
John D Chace	18	25	5
John D Chace	19	25	5
John D Chase	20	25	5
John D Chase	21	25	5
D W Chambers	41	150	30
J B Crockett	120	50	10
Charles H Davis	67	10	2
Charles H Davis	84	10	2
Charles H Davis	85	10	2
Charles H Davis	88	20	4
Charles H Davis	95	5	1
Charles H Davis	97	90	18
A J Egery	98	10	2
A J Egery	99	5	1
A J Egery	102	8	1 60
B D Egery	0	100	20
B D Egery	63	10	2
B D Egery	64	10	2
B D Egery	107	75	15
B D Egery	130	20	4
B D Egery	131	20	4
B D Egery	132	20	4
B D Egery	133	10	2
B D Egery	134	5	1
R S Eells	103	25	5
R S Eells	104	25	5
R S Eells	105	25	5
R S Eells	106	25	5
J E Freeman	101	17	3 40
J G Fay	14	15	3
John Howes	78	25	5
T B Jaynes	138	5	1
M W Levy	40	10	2
L Leugfeld	46	10	2
L Leugfeld	47	15	3
A Leugfeld	48	25	5
P C Lauder	121	50	10
Eugene Meyer	38	5	1
C E Moss	87	20	4
E C McComb	123	25	5
E C McComb	125	25	5
A W Putnam	135	5	1
B W Putnam	136	5	1
Alfred Rix	42	150	30
George Rose	43	25	5
B Stout	24	100	20
B Stout	145	100	20
A J Shrum	142	5	1
W J Tinnin	14	100	20
W J Tinnin	15	100	20
W J Tinnin	71	10	2
W J Tinnin	143	5	1
E H Washburn	49	50	10
Miss S A Wilson	00	5	100
A Wertheimer	28	50	10
A Wertheimer	20	50	10
A Wertheimer	30	50	10
A Wertheimer	31	50	10
A Wertheimer	32	20	4
A Wertheimer	33	20	4
A Wertheimer	34	10	2
A Wertheimer	35	10	2
A Wertheimer	36	10	2
A Wertheimer	37	5	1

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No.327, Montgomery street San Francisco, on the 9th day July 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of Advertising and expenses of the Sale.

N. G. FRENCH. Secretary.

26-2t Office, 728 Montgomery Street, San Francisco.

Beaver Gold and Silver Mining Company, Gold Hill, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of June, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 21st day of June, 1864, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before will be sold on Monday, the 8th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. WM. VALE, Secretary.

Office, Nos. 55 & 56 Exchange Building, N.W. corner Washington and Montgomery Streets, San Francisco. 62-4t

Bodie Consolidation Gold and Silver Mining Company, No. 2. Location of Mine, Bodie District, Mono county, California,

Notice is hereby given, that at a meeting of the Trustees of said Company, held on the 10th day of June, A. D., 1864, an Assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable in U. S. gold coin, on the 13th day of July, 1864, to the Secretary, at office, S. W. corner of Clay and Montgomery streets, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the said 13th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 25th day of July to pay the delinquent Assessment, together with costs of advertising and expenses of sale.

24-5t A. L. CHAMBERLIN, Secretary.

Notice of Dividend.

At a meeting of the Trustees of Crescent Quartz Mining Company, held June 20th, 1864, a Dividend of Fifty dollars per share was duly declared, payable on July 1st, 1864, at the Office of the Company, Indian Valley, Plumas County, Cal., or in San Francisco, at the office of Isaac Glazier & Bro., 311 Clay street. [26-1t] WM. A. BOLINGER, Sec'y.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Brewer Gold and Silver Mining Company---Location of Works, Silver King District, County of Amador, State of California.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 23d day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Sharos,	Am't.
John Fulton,	not issued	200	$ 30 00
S R Barger,	134	50	7 50
S R Barger,	135	50	7 50
S R Barger,	136	50	7 50
S R Barger,	137	50	7 50
Joseph Seely,	139	50	7 50
Joseph Seely,	140	50	7 50
Joseph Seely,	141	50	7 50
Joseph Seely,	142	50	7 50

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of May, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 7th day of July, 1864, at the hour of one o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. F. A. BREWER, Secretary.

Office, No. 40 Montgomery Block, San Francisco. 26-2t

Blue Jacket Gold and Silver Mining Company, Devils Gate District, Lyon County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows,

Names.	No. Certificate.	No. Shares.	Amt.
Joseph Hobart,	3	50	hal. $10 60
N Hastings,	13	25	6 25
W C Hoagland,	14	25	6 25
W C Hoagland,	15	25	6 24
G C McMullin,	16	30	7 50
G W Inslee,	21	20	5 00
H C Mead,	28	15	3 75
L M Newson,	not Issued,	150	37 50

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday the 9th day July, 1864, at 11 o.clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. A. RUST, Secretary.

22-5t Office, 212 California street, San Francisco.

Bay State Gold and Silver Mining Company, Turnback District, Tuolumne county, California.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Bay State Gold and Silver Mining Company, there will be sold, at Public Auction, to the highest bidder, for cash, in U. S. gold coin, on the 11th day of July, 1864, at 11 o'clock A. M., at the salesroom of L. Keller, No. 537 California street, San Francisco, so many shares of the capital stock of the Company, standing in the names of the following persons, or shareholders, as will be necessary for the payment of Assessment No. 4, of two dollars per share, duly levied thereon March 23d, 1864, by the Board of Trustees, together with the expenses of advertisement and sale, unless said Assessment and accruing charges are previously paid:

Names.	No. Certificates.	No. Shares.	Amt.
John Sedgwick	2, 3, 4—ca 50	150	$300
John Sedgwick	5, 7, 8, 9, 10—ca 20	100	200
John Sedgwick	11, 12, 13, 14, 15—ea 10	50	100
Benj Wilson	22	100	200
Benj Wilson	23	200	400
Benj Wilson	24	20	40
W B Farwell	38	400	bal 700
Philip Myers	48, 52, 53, 54, 55—ea 20	100	200
Philip Myers	57	5	10
Philip Myers	58	15	30
W H Finch	29, 30, 31—ea 100	300	600
W H Finch	32	50	100
W H Finch	33, 34, 35, 36, 37—ea 10	50	bal 50
Jas G Read	1	10	20
Jas G Read	49	25	50
S E Holcomb	16	120	240
S D Jones	25	200	400
S D Jones	43	30	60
S D Jones	44, 45, 46—ca 20	60	120
S D Jones	47	10	20
Geo Weetman	19	20	40
L H Lincoln	20	20	40
Wheeler Martin	41	75	150
Wheeler Martin	56	100	200
Geo W Rose	40	75	bal 100
C H Clark	42	150	300

By order of the Board of Trustees.

J. F. HARRIS, Secretary.

Office, southeast corner Second and Howard streets, San Francisco, June 8th, 1864. 24-4t

Constitution Gold and Silver Mining Company, Lauder county, N. T. Office, No. 20, Exchange Building, cor. Washington and Montgomery streets, San Francisco, Cal., June 11th, 1864.

Notice is hereby given, that in accordance with the laws of the State of California, there will be sold at public auction, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on WEDNESDAY, July 13th, 1864, at 11 o'clock A. M., of that day, to the highest bidder, for cash, in U. S. gold coin, so many shares of the Capital Stock of the Constitution Gold and Silver Mining Company standing in the names of the following shareholders as will be necessary for the payment of the Assessments due thereon, together with the expenses of advertisement and sale, unless said Assessments with accruing charges are previously paid, to wit:

Names.	No. Assts.	No. Shares.	Amt.
John Murphy	1 2 3	77	$79 00
Geo Cattermole	1 2 3	246	244 50
Jas S Whitlon	1 2 3	164	163 00
W R Barnes	1 2 3	164	163 00
Wm Rose	1 2 3	246	244 50
John A Veatch	1 2 3	82	81 50
H A Wall	1 2 3	82	81 50
E S Davis	1 2 3	41	40 75
O A Palmer	3	102	81 75
E P Peckham	3	77	38 50
J S Kennedy	3	82	41 00
Lyman Beeeber	3	35	15 00
J B Crockett	3	82	41 00
P C Lander	3	82	41 00
Julius Schultz	3	3	1 50
H S Waldron	3	10	5 00

By order of the Board of Trustees.

24-4t JOS. C. FORD, Secretary.

Copp Gold and Silver Mining Company, Sierra District, Humboldt county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of June, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 13th day of June, 1864, in United States Gold Coin, to the Secretary, or to Henry Copp, Dun Glen, Humboldt, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. E. X. FIELD, Sec'y.

25-4t Office, 509 Clay st., Room, No. 1, San Francisco, Cal.

Cedar Gold and Silver Mining Company.—Mine located in Esmeralda District.

Notice.—There are delinquent upon the following described stock on account of Assessments levied on the 20th and 21st days of May, 1864, the several amounts set opposite tha names of the respective share-holders, as follows:—

Names.	No. Cert.	No. Sh's.	Am't.
L Quint,	2	17	$17
W A Carroll,	3	17	17
B Hardy,	10	8	8
D Hardy,	13	5	5
J H Warwick,	14	5	5
J F Barss,	15	10	20
J F Barss,	16	10	10
J F Barss,	17	10	10
H McKinnon,	18	20	40
H G Cutter,	19	10	10
H G Cutter,	48	25	25
D H Bickett,	23	15	15
C A Wiles,	25	10	10
C A Wiles,	26	15	15
A Houlton,	27	10	10
D C Travis,	28	10	10
Erish Miller,	29	10	10
Uriah Miller,	30	9	9
Warren Norton,	31	12	12
A McLaughlin,	32	12	12
David Walker,	34	10	10
F Evarts,	35	25	25
Louis Landsberger,	36	10	10
P McGovern,	37	17½	17½
W S Hamilton,	38	25	25
W S Hamilton,	38	20	20
W S Hamilton,	39	5	5
D G Francis,	41	5	5
D G Francis,	42	5	5
T E Dorr,	44	5	5
T E Dorr,	43	15	15
Myron Sheldon,	45	12	12
John Ives,	46	7½	7½
H S Sanders,	49	50	50
H S Sanders,	50	10	10
H S Sanders,	51	10	10
H S Sanders,	52	10	10
H S Sanders,	53	8	8
F B Stantan,	stock not issued,	20	20
C P Butterfield,	stock not issued,	35½	35½

And in accordance with law, and an order of the Board of the Board of Trustees, made on the 20th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at Public Auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 6th day of July, 1864, at the hour of 12 o'clock M of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

T. L. BIBBINS, Secretary.

6-4t Office 302, Montgomery Street, San Francisco.

Dexter Tunnel and Mining Company.—Location, Reese River, Nevada Territory.

Notice.—There is delinquent upon the following described stock, on account of an Assessment (No. 2) levied on the 1st day of April, 1861, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shs.	Amt.
Betz, H	102, 103, 104, 105, 106, 107, 108, 109, 110, 111 } —10 shs ea	100	50 00
Bell, G H	185	25	12 50
Bell, G H	186, 187—20 shs ea	40	20 00
Dexter, C H	72, 73, 74, 75, 76, 77, 78, 79, 80, 81 } —10 shs ea	100	50 00
Ebert, Geo.	179, 180, 181, 182, 183—10 shs ea	50	25 00
Folz, G	162, 163, 164, 165, 166—10 shs ea	50	25 00
Grutder, J	6	50	25 00
Grubler, J	8	10	5 00
Grubler, J	9	5	2 50
Gerhardt, C	132, 133, 134, 135, 136, 137, 138, 140, 141 } —10 shs ea	90	45 00
Gunther, J B	177	10	5 00
Heineman, A	167, 168, 169, 170, 171 } —10 shs ea	50	25 00
Kapus, Otto	172, 173, 174, 175, 176 } —10 shs ea	50	25 00
Kressel, J	152, 153, 154, 155, 156—10 shs ea	50	25 00
Leisse, H	127, 128, 129, 130, 131—10 shs ea	50	25 00
Lewis, Oscar	189, 190, 191, 192, 193, 194, 195, 696, 197, 198—united } —10 shs ea	100	50 00
Lambert, B	157, 158, 159, 160, 161 } —10 shs ea	50	25 00
Morrison, J C Jr	27...not issued	65	32 50
McNulty, C A	28, 29, 30, 32, 33—10 shs ea	50	25 00
McNulty, C A	69	5	2 50
Marshall, H	34	5	2 50
Maguire, Thomas	60	100	50 00
Master, F A	147, 148, 149, 150, 151—10 shs en	50	25 00
Noeden, Wm	178	10	5 00
Orear, D	62, 63, 64, 65, 66, 67, 68, 69, 70, 71 } —10 shs ea	100	50 00
Ohmert, F W	112, 113, 114, 115, 116, 117, 118, 119, 120, 121 } —10 shs ea	90	45 00
Ploschke, Wm	92, 93, 94, 95, 96, 97, 98, 99, 100, 101 } —10 shs ea	100	50 00
Stevens, W H	53	10	5 00
Stevens, W H	54	13	6 50
Shmidt, H	58	5	2 50
Schmidt, H G C	82, 83, 84, 85, 86, 87, 89, 90, 91 } —10 shs ea	90	45 00
Schmittburg, H	142, 143, 144, 145, 146 } —10 shs ea	50	25 00
Shafer, L	184	10	5 00
Uhrig, C A	16	25	12 50
Uhrig, C A	17	35	17 50
Uhrig, C A	18	5	2 50
Wolleb, E	41	5	2 50
Wolleb, E	42, 43, 44, 45, 46, 47—10 shs ea	50	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of April, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

C. H. HOBTON, Secretary.

Office, No. 543 Clay street, Colden Ern Building, San Francisco. 24-4t

Delta Gold and Silver Mining Company. Saratoga Gold and Silver Mining Company, Amador District, Lander county, N. T.

At a meeting of the Trustees of the Delta Cold and Silver Mining Company, and the Saratoga Gold and Silver Mining Company, held March 28th, 1864, an Assessment of (50) fifty cents per share was duly levied on the Capital Stock of each of said Companies, payable immediately, in U. S. coin, to the Secretary, or to Wm. C. Blakely, at tha mine. By order of the Board of Trustees.

WM. HOLLIS, Secretary.

24 4t No. 302 Montgomery street.

Egery Mining Company, Inyo District, Tulare County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an Assessment of ten cents per share was levied upon the Capital Stock of said Company, payable on the 15th day of June, 1864, in U. S. gold coin, to the Secretary, at the office of the Company, 728 Montgomery Street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of sale. By order of the Board of Trustees. N. O. FRENCH, Secretary.

25-4t Office, 728 Montgomery street, San Francisco.

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Comp ny, held on the 22d day of June, 1864, an assessment of - - (82) dollars per share was levied upon the Capital Stock of said Company, payable on the 22d day of June, 1864, in United States Gold Coin, to the Secretary, at the office of the company, No. 708 Montgomery Street, in the City of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 6th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco.

Five per cent discount will be allowed to all persons paying their assessments on or before the 8th day of July, 1864. 26-4t

Forest Queen Gold and Silver Mining Company, Great Mogul District, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an assessment of fifty (50) cents per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, or to Mr. A. Lukin, Gold Hill, N. T.

Any stock upon which said assessment shall remain unpaid on SATURDAY, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 1st day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. R. N. VAN BRUNT, Secretary

Office, No. 706 Montgomery Street, San Francisco. 25-4t

Fortune Mining Company, Mineral Springs District, Calaveras County, California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 18th day of June, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 3d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. THOS. C. McCALLAN, Secretary.

Office, 622 Clay Street, San Francisco. 25-4t

Great Central Tunnel Company—Location, Virginia District, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 17th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

S Greenfield John Howe J M Clark and Miles Litchford	325 shs unissued	$216 67	
John Spajh John Howe J M Clark and Miles Litchford	216⅔ shs unissued	cr. 40 00	bal $176 67
Mrs M J Gaylord	650 shs unissued	260 00 cr. 45 00	bal 215 00
Thos Sunderland, Administrator of the estate of H O Gaylord	1137½ shs unis'd	455 00 cr. 226 25	bal 228 75
W T Prince,	650 shs untissued	260 00 cr. 150 00	bal 110 00
Martin White	650 shs unissued	260 00 cr. 90 00	bal 170 00
N Garthwaite and H Garthwaite	162½ shs unis'd	65 00 cr. 22 50	bal 42 50
Geo Bethell and H Garthwaite	162½ shs unis'd	65 00 cr. 22 50	bal 42 50
Levi Taylor	325 shs unissued	130 00 cr. 120 00	bal 10 00
Dr Mineer	487½ shs unissued	195 00 cr. 180 00	bal 15 00
M A Bassett	325 shs unissued	130 00 cr. 120 00	bal 10 00
O D Keency	162½ shs unissued	65 00 cr. 60 00	bal 5 00
D E Hoff	325 shs unissued	130 00 cr. 120 00	bal 10 0.
J W Burnham	325 shs unissued	130 00 cr. 120 00	bal 10 00

In accordance with the laws of California, and an order made by the Board of Trustees on the 17th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on WEDNESDAY, the 6th day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

M. KELSEY, Secretary *pro tem.*

25-2t Office, Clay street, northeast corner Battery.

Groach Consolidated Gold and Silver Mining Company, Storey county, N. T.

Notice is hereby given, that, at a meeting of the Board of Trustees of said Company, held on the 11th day of, June, 1864, an assessment of 20 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on WEDNESDAY, the 3d day jo August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHAS. H. RYDER, Secretary.

Office, No. 4, Court Block, Clay street, San Francisco. 25-4t

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of June, 1864, an Assessment, of one dollar per share was levied upon the Capital Stock of said Company, payable on the 15th day of June, 1864, in United States gold coin, to the Secretary, at the office of the Company, 728 Montgomery street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

N. C. FRENCH, Secretary.

25-4t Office, 728 Monigomery Street, San Francisco.

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an Assessment of 70 cents per share was levied upon the Capital Stock of said Company, payable on the 18th day of June, 1864, in United States gold coin to the Secretary, at the office of the Company.

Any stock upon which said Assessment shall remain unpa d on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 1st day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

25-4t Office, No. 625 Clay Street, San Francisco.

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pals District, Marin County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 9th day of June, 1864, an assessment, No. 6, of ten cents per share was levied upon the capital stock of said Company, payable immediately in U. S. Gold Coin, to the Secretary at his office, or to the Superintendent, Mr. H. N. Kemp.

Any stock upon which said assessment shall remain unpaid on SATURDAY, the 9th day of July, 1864, will be advertised on that day as delinquent and unless payment shall be made before, will be sold on the 23d day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

B. ROTHSCHILD, Secretary.

24-4t Office, 522 Montgomery street, San Francisco.

John J. Crittenden Gold and Silver Mining Company, Reese River District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of June, 1864, an assessment of Twenty-five cents per share was levied upon the Capital stock of said Company, payable immediately, in United States gold Coin, to the Secretary, or to S. F. Ambler, at Austin, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 3d day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

D. B. FRANCIS, Secretary.

25-4t Office, 509 Clay street, San Francisco.

Joe Douglass Gold and Silver Mining Company, Reese River District, Lander county, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessments levied on the 18th day of May, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amt
Charles Schmitt	144	5	$2 50
Warner Eart	142	10	5 00
Thomas Long	141	20	10 00
S L McFarland	138	10	5 00
P C Fenner	123	10	5 00
L Ekers	119	10	5 00
Max Livingston	95	5	2 50
J W Cullen	83	8	4 00
M Barosky	80	20	10 00
J C Kerley	50	5	2 5
Charles Verschoyle	Cert, 121, 122 No. Shares, 2, 5		3 50
Levi Foss	Cert, 115, 116 No. shares, 2, 5		3 50
M Cassell	Cert, 110, 111, 112 No. shares, 15, 10, 10		17 50
S Mooro	Cert, 108, 109 No. shares, 25, 10		17 50
H Romatt	Cert, 81, 82 No. shares, 5, 10		7 50
William A Smith	Cert, 61, 62, 63 No. shares, 25, 10, 5		20 00
Shields & Nash	Cert, 56, 57 No. shares, 5, 5		5 00
Thomas S Ekers	Cert, 52, 53, 54 No. shares, 5, 5		3 00
Fred Baker	Cert, 41, 43, 75, 76 No. shares, 25, 10, 7, 2		22 00
J M Douglass	Cert 1, 2, 3, 4, 78, 84 No shares 20, 20, 20, 20, 2, 7		53 50
S T Gage	Cert, 34, 35, 37, 38, 39 No. shares, 25, 25, 10, 5, 5		35 00
Jas P Wade	Cert, 26, 27 No. shares, 50, 25		37 50
J M Massey	Cert, 6, 10, 91, 92, 93, 94 No. shares, 50, 5, 25, 10, 10, 5		57 50
J D James—	Cert, 12, 16, 17, 97, 98, 99, 100, 101, 102, 103, 105 No. shs, 25, 5, 5, 10, 10, 10, 10, 10, 10, 5		55 00

And in accordance with law, and an order of the Board of Trustees, made on the 18th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the Cobb & Sinton's, No. 406 Montgomery street, San Francisco, on the 2d day of July, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

W. F. HUGHES, Secretary.

25-2t Office, Boom 6, Mead House, San Francisco.

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Clayton, Contra Costa County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amt.
A R Harrison,	304	100	10 00
C E Wetmore,		100	10 00
M Tarpey,	467	20	2 00
E T Carrique	66	20	2 00
E T Carrrique,	68	20	2 00
E T Carrique,	67	20	2 00
I Swain,		12	1 20
Downer, (by I Swain,)	390	5	50
A J Baily,	part of 69	20	2 00
D G Alexander,	part of	15	1 50
J S Filloon,	202	100	10 00
S Barrow,		25	2 50
G W Morgan,	343	5	50
G W Morgan,	346	20	2 00
C Morgan,	371	20	2 00
C Morgan,	342	5	50
G S Harmon,	364	50	5 00
G S Hurmon,	365	50	5 00
Geo F Sharp,	425	200	20 00
G M Dexter,	246	25	2 50
B M Hartshorn,	not issued	200	20 00
Geo Doan,	265	50	5 00
Geo Donn,	266	25	2 50
Geo Doan,	part of 267	16	1 60
C W Ham,	373	50	5 00
C H Rice,	not issued	40	4 00
J W Clark,	part of 381	40	4 00
J C Whipple	386	5	50
B S Hines,		2	20
W A White,	part of 138	5	50
W F Hughes	171	50	5 00
H Clissen,	178	25	2 50
H Classen,	179	25	2 50
A E Du Bois,	175	2	20
Mary McCurty,	189	20	2 00
E G Mathews,	208	25	2 50
E G Mathews,	209	25	2 50
J Leavitt,	217	50	5 00
J Leav tt,	218	50	5 00
Michael Butler, No 2,	part 373	6	60
A Dolet,	457	12	1 20
M Fisher,	456	6	60
Godfrey Gnnse,	249	25	2 50
Godfrey Gnase,	415	25	2 50
C Bruns,	part, 453	17	1 70
Miss C Alison,	257	40	4 00
F Gallego,	429	5	50
S S White,	434	5	50
Wm Brackett,	331	25	2 50
Perry Cram,	439	25	2 50
D E Hayes,	296	5	50
D E Hayes,	296	5	50
E Morgan,	401	20	2 00
L E Morgan,		462	46 20
S D Cary,	part 391	83	8 30
E J Baldwin	part 423	125	12 50
E J Baldwin	459	25	2 50

And in accordance with law and an order of the Board of Trustees, made on the 26th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice &Co., No. 327 Montgomery street, San Francisco, on thel3th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and the expenses of sale.

A. B. WINEGAR, Secretary.

Office 322 Front street, San Francisco. 26-2t

Kelsey Gold and Silver Mining Company, El Dorado County. Office 605 Sacramento street, San Francisco, June 17th, 1864.

The public are cautioned against purchasing stock in this company standing in the names of the following persons, as the same has been sold for delinquent assessments, and cancelled upon the books of the company, viz:

Ole Bergson	J. Ford
A Falk	Andrew Wilson
Sophia Steiger	Jane James
A. E. Shannon	Susan Sweetzer
Joseph Whittlo	W. Van Housen
C. H. Killey	Henry E. Brooks
L. Blum	R. D. Seofield
B. F. Butler	G. Israel
C. J. West	E. Maitre
F. W. Bach	D. Cleaves
A. de Castilla	John C. Hall
C. P. Williams	B. Sloeumb

S. C. OARDNER.

25-4t Secretary Kelsey O. & S. M. Co.

La Libertad Gold and Silver Mining Company, Cachaciillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 7th day of June, 1864, an assessment of twenty-five cents per share, was levied upon the Capital Stock of said company, payable on the 8th day of June, 1864, in United States Gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 8th day of August, 1864, to pay the delinquent assessment and costs of advertising and expenses of sale. By order of the board of Trustees.

WILLIAM VALE, Secretary.

Office, 55 & 56 Exchange Building, San Francisco, Cal. 26-4t

Lord Byron Gold and Silver Mining Company Devil's Gate District, N. T.

Notice.—The Annual meeting of the Stockholders of the Lord Byron Gold and Silver Mining Company, for the election of Trustees and transaction of other business, will be held at the office of the Secretary, No 620 Washington street, Room 3, San Francisco, on Wednesday, July 20th, 1864, at 7½ o'clock P. M.

H. B. CONGDON, Secretary.

25-4t

La Marronena Silver Mining Company.—Location of mine, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of June, 1864, an Assessment of five dollars per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 9th day of July, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on SATURDAY, the 23d day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

San Francisco, June 10th, 1864. 24-5t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an Assessment of Five Dollars per share was levied upon the assessable stock of said Company, payable immediately in United States Gold Coin, to the Secretary, at the office of the company, No. 623, Montgomery Street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 5th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of Sale. By order of the Board of Trustees. GEORGE A. HILL, Secretary.

Office, No. 623, Montgomery Street, San Francisco, California. 25-4t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

Notice.—There are delinquent upon the followlng described stock, on account of Assessments levied on the 16th day of May, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Cert	No. shares.	Amount.
Joel Clayton,	108	10	$5 00
Joel Clayton	109	5	2 50
P Shirley,	100	100	50 00
P Shirley	101	25	12 50
P Shirley,	162	25	12 50
P Shirley,	163	25	12 50
P Shirley,	164	25	12 50
S J Bennett,	144	25	12 50
S J Bennett,	145	50	25 00
S J Bennett,	146	100	50 00
T B Storer,	186	50	25 00
T B Storer	187	50	25 00
T B Storer,	188	25	12 50
T B Storer,	189	25	12 50
T B Storer,	190	20	10 00
T B Storer,	191	20	10 00
S Barrow,	72	20	10 00
S Barrow,	73	20	10 00
S Barrow,	75	20	10 00
S Barrow,	76	20	10 00
S Barrow,	138	5	2 50
E J Blauding,	142	200	100 00
F P Green,	44	25	12 50
F P Green,	45	25	12 50
F P Green,	77	25	12 50
F P Green,	112	25	12 50
G E Drew,	not issued	3	1 50
J F Williams,	104	25	12 50
G M Dexter,	80	25	12 50
G M Dexter,	304	25	12 50
J R Gates,	113	10	5 00
J R Gates,	137	5	2 50
J R Gates,	293	20	10 00
J R Gates,	217	5	2 50
J R Gates,	247	10	5 00
J R Gates,	255	40	20 00
H H Byrne,	127	25	12 50
H H Byrne,	128	25	12 50
C Morgan,	149	5	2 50
Geo W Morgau,	150	5	2 50
Thos Prince,	221	30	15 00
Thos Prince,	288	50	25 00
C Alison,	262	5	2 50
R Hall,	122	10	5 00
R Hall,	123	5	2 50
R Hall,	130	15	7 50
R Hall,	237	20	10 00
R Hall,	257	100	50 00
R Hall,	260	50	25 00
R Hall,	282	10	5 00
R Hall,	281	10	5 00
R Hall,	274	25	12 50
R Hall,	315	2	1 00
R Hall,	327	200	100 00
P Cram,	268	12	6 00
P Cram,	299	75	37 50
W M Huntoon,	317	25	12 50
W M Huntoon,	318		5 00
W A Whitteborue,	322	130	93 00
R Chandler,	330	5	2 50
R R Saudford,	185	2	1 00
R A Sandford,	179	5	2 10

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 6th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

A. O. WOOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 25-3t

Moonlight Gold and Silver Mining Company, Indian District, Humboldt County, Nevada Territory.

At a meeting of the Trustees of the above named Company, held November 4th, 1863, an assessment of one dollar was levied upon each and every share of the Capital Stock thereof, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco. Said assessment must be paid on or before the 20th day of July, 1864, as all stock delinquent on that date will be advertised and sold in accordance with law. By order of the Board of Trustees. (26-4t) LAWRENCE C. OWEN, Secretary.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and San some streets, San Francisco.

Mechanics Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

NOTICE.—There is delinquent upon the following described stock on account of assessments levied on the 26th day of May, 1864, the several amounts set opposite the names of respective shareholders as follows:

Name	No. Cert.	No. Shares	Amt.
F M Kimball	251	10	$50
A E Du Bois	287	5	25
C Schreiber, part	323	5	25
J M Stewart	58	100	5 00
J M Stewart	59	50	2 50
J M Stewart	70	10	50
J M Stewart	71	10	50
J M Stewart	92	10	50
A Hosing	309	5	25
Geo Wall	440	50	2 50
Geo Wall	441	25	1 25
Geo Wall	442	25	1 25
D Winter	186	50	2 50
D Winter	187	50	2 50
D Winter	183	25	1 25
D Winter	189	25	1 25
D Winter	190	25	1 25
D Winter	191	25	1 25
H S Bestor	344	5	25
Chas Rhino	392	100	10 00
Joel Clayton	183	25	1 25
Joel Clayton	184	25	1 25
Joel Clayton	185	25	1 25
E E Walker	369	80	4 00
E E Walker	370	50	2 50
E E Walker	371	50	2 50
J Cerf	40	50	2 50
J Cerf	45	25	1 25
J Cerf	44	25	1 25
N Gough	415	100	5 00
N Gough	416	100	5 00
L E Morgan	424	25	1 25
L P Morgan		200	10 00
J F S Smith		10	50
Joseph Folger	432	50	2 50
G W Morgan	368	100	5 00
J J Scotchla	372	10	50
J P Rogers	436	50	2 50
G W Swan	437	100	5 00
G W Swan	438	100	5 00
E G Baldwin	439	210	10 50
W F Hughe	543	45	2 25
N R Lowell	170	100	5 00
N R Lowell	171	100	5 00
J H Braley	444	90	4 50
J H Braley	445	25	1 25
G M Barnham	446	50	2 50
G M Barnham	447	44	2 20
J C Gardner	449	15	75
J B Reinhardt	384	25	1 25
J B Reinhardt	385	25	1 25
S Messenger	384	25	1 25
S Messenger	387	25	1 25
Fred Hess	390	10	50
Jas Graves	454	20	1 00
Jas Graves	455	20	1 00
E M Chapin	393	25	1 25
Joseph Felloon	272	100	5 00
W W Collins	149	25	1 25
W W Collins	150	25	1 25
W W Collins	153	25	1 25
W W Collins	154	25	1 25
W W Collins	155	25	1 25
J S Scott	402	50	2 50
J Everdug		10	50
S A Engles	8	25	1 25
Mary Murphy	147	20	1 00
F A Kimball	156	50	2 50
Thos Kyle	168	15	75
Thos Kyle	169	15	75
J G Seovern	172	10	50
J S Lyford	176	25	1 25
J S Lyford	177	25	1 25
C A Bryant	403	10	50
N B Melville	404	15	75
E B Mastick	296	50	2 50
A Williamson	199	25	1 25
F O Wagoner	200	10	50
M Davis	338	5	25
W A Whito	208	15	75
W A White	209	15	75
O Loucks	237	50	2 50
O Loucks	238	25	1 25
O Loucks	239	25	1 25
B S Hines	243	10	50
B S Hines	268	5	25
J Holmes	244	25	1 25
J Holmes	249	75	8 75
L W Kimball	251	10	50
F J Schaeffer & Co	261	17	85

And in accordance with law, and an order of the Board of Trustees made on the 25th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the sales room of Jerome Rice & Co., on the 13th day of July, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with cost of advertising and expenses of the sale.

A. B. WINEGAR, Sec'y.
26-4t Office, No 322, Front Street, San Francisco.

McDermott Gold and Silver Mining Company. Devil's Gate District, Lyon County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an Assessment of One Dollar per share was levied upon the Capital Stock of said Company, payable on the 21st day of July, 1864, in United States gold coin, to the Secretary, or to Thomas McNamara, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Sunday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the tenth day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.
Office, No. 532 Clay street, San Francisco.
24-4t

Prima Donna Gold and Silver Mining Company.—Location, Dovil's Gate District, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an Assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable on the 24th day of June, 1864, in United States Gold Coin, to the Secretary, or to Franklin Morgan, at Silver City.

Any stock upon which said Assessment shall remain unpaid on Saturday the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 15th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of sale. By order of the Board of Trustees.

H. B. LONGDON, Secretary.
Office, No. 630 Washington Street, (Room 3) San Francisco.
26-5t

Phœnix Gold and Silver Mining Company, Reese River District, N. T.

Notice is hereby given, that on Thursday, July 14th, 1864, at 11 A. M., at the Office of the Company, No. 305 Montgomery Street, San Francisco, there will be sold to the highest bidder for cash, so many shares of the Capital Stock of the above named Co., standing to the credit of the following named persons, as will be necessary to pay all assessments now due, together with costs of advertising and expenses of the sale, unless the same shall have been previously paid, to wit;

Names.	No. Cert.	No. Shares	Amt.
Charles Hoffman,	16 85 201 202,	31	$15 50
Ignatz Kipp,	115 117 205	34	17 00
Chas Schmitt,	31 127	15	7 50
Joseph Fitzler,	23	10	5 00
S L Joaquinson,	191	2½	1 25
Catherine Feagan,	103 104	15	7 50
F W May,	107	5	2 50
M Schwob,	130	15	7 50
D W Lovan,	135	9	4 50
Charles White,	155	10	5 00
M Cook,	164	10	5 00
M Lyon,	163	5	2 50
G Batmich,	170	10	5 00
C Balles,	5 193 194 195,	132	66 00
George Metzger,		5	2 50
W A Smith,	35 137 185 180 187,	70	38 00
B A Sheldon,	51 52 53	25	12 50
A K P Smith,	112 113 114 121	31	15 50
A M Harkness,	156	10	5 00

By order of the Trustees, ROBT. T. POLK, Sec'y.
24—4t. Office, No. 305 Montgomery street, San Francisco

Quartz Hill Gold Mining Company, Placerville, El Dorado County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an Assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the office of the Company, No. 523 Montgomery Street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday the 23d day of July, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.
Office, No. 523, Montgomery Street, San Francisco, California.
26-4t

Ontario Gold and Silver Mining Company, Montgomery District, Mono County, California.

NOTICE.—There is delinquent, upon the following described Stock, on account of Assessment levied on the 25th day of May, 1864, the several amounts set opposite the names of the following shareholders, to wit:

NAMES.	No. Certificate.	No. Shares.	Amount
Lott Blanchard	21 to 24	70	$17 50
C. Beach	122 to 129	70	17 50
G. Bennett	103 to 107	70	17 50
C. Eunis, (not issued,) two ass'nts		70	35 00
Hugh Flynn	38, 40, 42 to 44	42	10 50
John Flynn	60 to 65	70	17 50
Geo. R. Oraff, two assessments	51	25	12 50
M. Heinau	83 to 85, 87,88	55	13 75
E. H. Kittredge	2, 4, 6	35	8 75
T. B. Andrus	35, 36, 37	35	8 75
W. H. Lihhy	76 to 82	70	17 50
Fred. Smith	88 to 94	70	17 50
Valentine Schmidt	66 to 75	70	17 50
J. C. Van Vranken	26 to 29	35	8 75
Thos. S. Delano	25	5	1 25
Patrick Lynch	131	13	3 25
J. O. Nichelson	132	3	75
Richard Hutchinson	133	2	50
P. Tilly	134	5	1 25
O. Raisch	102	10	2 50
J. B. Owens	143	30	7 50
B. S. Hall	32	17	4 25
H. Chester	109	5	1 25
J. B. Levit		5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of May, 1864, so many shares of each parcel of said Stock as may be necessary, will be Sold at the office of the Company, on the 9th day of July, 1864, at the hour of 2 o'clock P. M., of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of the Sale.

H. B. SHELDON, Secretary.
Office, No. 302 Montgomery street, San Francisco.
26-4t

Olympic Gold and Silver Mining Company, Big Creek District, Lander county, N. T.

Notice is hereby given that in accordance with the laws of the state of California, and an order duly made by the Board of Trustees of said company, there will be sold at public auction, to the highest bidder for cash, in U. S. Gold coin, at the office of the company, No, 1 & 2 Government House, corner of Washington and Sansome streets, San Francisco, on Monday, July 18th, 1864, at 11 o'clock, A. M., so many shares of the capital stock of said company standing in the names of the following named shareholders as will be necessary for the payment of assessment No. 2, for ten cents per share levied July 25th, 1863. Assessment No. 3, for 20 cents per share, levied Sept. 21st, 1863. Assessment No. 4, for 50 cents per share, levied Nov. 19th, 1863, together with expenses of advertising and all other expenses of sale.

Names.	No. of Shares.	Ass't. No. 2 of 10c	Ass't. No. 3 of 20c	Ass't No. 4 of 50c
Anderson, W N	20	$—	$—	$10 00
Baker, H W	5	—	—	2 50
Greely, O F	25	—	3 00	—
Gray, John	25	—	—	8 00
Pinkham, J F	10	—	2 00	—
Rogers, W H	100	3 50	—	10 00
Sherwood, Benj	10	—	2 00	—
Uhrig, C A	36	—	—	18 00
Voshurg, J N	10	—	—	5 00
Wells, Cyrus	25	—	—	12 50

25-4t M. A. WHEELER, Secretary.

Ophir of the Colorado Silver Mining Company, El Dorado Canon, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment No. 2, of two dollars per share, levied May 16th, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certifs.	No. Shares.	Amt.
B F M Packard	1 and 2	50	$112 50
R P Wilson	23	10	$20
Stephen E Gillis	29	10	20
E S Lathrop	50	5	10
Isaac Davis	69	5	10
M M Johnson	101	10	20
Samuel L Theller	91	20	41
M V B Stacey	16	6	12
M V B Stacey	21	1	2

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at Public Auction, at the office of the Company, No. 523 Clay street, San Francisco, Cal., on SATURDAY, July 23d, 1864, at one o'clock P. M., payable in U. S. gold coin, to pay said delinquent assessments, together with cost of advertising and expenses of the sale.

THEO. A. MUDGE, Secretary.
25-3t Office, No. 523 Clay street, San Francisco.

Potomac Gold and Silver Mining Company, Reese River District, Lander County, N. T.

NOTICE.—There are delinquent upon the following described Stock, on account of Assessment levied May 23d, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amt.
Geo W Terrill,	9, 10	75	$ 75 00
J H Carcy,	11	50	50 00
S Haas,	42, 43, 44, 45	100	100 00
D Haas,	3	100	100 00
H Levy,	4	100	100 00
A Greonobanm,	18	12½	12 50
Jas R Gwin,	21	25	25 00
W H Carter,	24	10	10 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of May, A. D. 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, 409 Montgomery Street, San Francisco, on the Eleventh day of July, 1864, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. A. BALL, Secretary.
Office, 509 Clay Street, San Francisco. 26-3t

Porter Gold and Silver Mining Company, Jordan Hill, Butte county, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of June, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to J. L. PORTER, Superintendent, Yankee Hill, Butte county.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on WEDNESDAY, the 3d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.
24-4t Office, No. 532 Clay street, San Francisco.

Segregated Crown Point Mining Company. Gold Hill Mining District, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 13th day of May past. the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
Beuham, D C	9	20	$520
Benbam, D C	10	20	520
Benham, D C	73	8	208
Benham, D C	77	12	312
Benham, D C	121	8	208
Clark, Joseph	53	80	2080
Cheeseman, M	22	7	182
Davisou, A	55	20	520
Davison, A	56	12	312
Davisou, A	57	4	104
Davison, A	58	4	104
Davisou, A	97	12	312
Davison, A	98	8	208
Dana, W A	100	3	78
Daua, W A	111	4	104
Dana, W A	112	8	208
Eells, R S	29	1	26
Goddard, E B (estato of)	107	40	1040
Goddard, E B (estate of)	109	20	520
Hentsch & Barton	28	80	2080
Hemme, Auguste	74	8	203
Hemme, Auguste	103	10	416
Jones, J H	19	8	208
Kohler, A	110	40	1040
Lent, Wm M	50	10	260
O'Neale, W T	63	10	260
O'Neale, W T	64	10	260
O'Neale, W T	65	10	260
O'Neale, W T	55	10	260
O'Neale, W T	67	10	260
O'Neale, W T	68	10	260
O'Neale, W T	79	10	260
O'Neale, W T	70	10	260
O'Neale, W T	71	10	200
O'Neale, W T	72	10	260
Parsons, Levi	96	2	52
Parsons, Levi	102	4	104
Parsous, Levi	113	50	1300
Parsons, Levi	122	18	468
Rust, P C	85	8	208
Rust, P C	86	8	208
Rust, P C	87	8	208
Rust, P C	88	4	104
Rust, P C	89	4	104
Rosenfield	37	5	126
Smith, Benjamin	75	20	520
Street, James	91	20	520
Sutton, E B	101	8	208
Sutton, E B	110	8	208
Sutton, E B	120	4	104

And in accordance with law, and an order of the Board of Trustees, made on the same date, so many shares of each parcel of said stock as may be necessary will be sold, at the salesroom of Jeromo Rice & Co., No. 327 Montgomery street, San Francisco, on SATURDAY, the 25th day of June, 1864, at 12 o'clock M., to pay said delinquent assessment thereon, together with cost of advertising and expenses of the sale.

R. N. VAN BRUNT, Secretary.
Office, 705 Montgomery street, San Francisco.

POSTPONEMENT.—The above sale is postponed until TUESDAY, the 5th day of July next, at 12 o'clock M. By order of the Board of Trustees.

25-3t R. N. VAN BRUNT, Secretary.

Silver Creek Mining Company, Keyes Mining District, Mono County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessments levied on the 30th, day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Am't.
T H Stevens,	108 to 114, 20 shs. ea,	140	$ 70 00
T H Stevens,	115 & 115, 5 shs. ea.	10	5 00
Alfred Lacliing,	stock not issued	300	150 00
H W Eddy,	stock not issued	300	150 00
John Evans,	stock not issued	200	100 00
John Evans,	1, 2, 3, 4, 25 shs. ea,	100	50 00
Samuel Millbury,	51 & 52, 100 shs. ea.	200	100 00
J B L Millbury,	54	50	25 00
Henry Bush,	36, 79, 80, 81, 25 sh ea	100	50 00
Henry Bush,	77	100	50 00
Henry Bush,	83 to 97, 10 shs ea	150	75 00
Mrs. J H Nevins,	143	50	25 00
A L Carman,	17	10	5 00
G C Carman,	18	20	10 00
M P Duzinbury,	182	25	12 50
G K Beede,	27	10	5 00
G K Beede,	133	15	7 50
Robt L Hill,	53	50	25 00
E A Saxe,	59 60 61, 50 shs ea	150	75 00
E A Saxe,	62	25	12 50
James J Lyons,	144	12	6 00
Samuel Sellers,	20	20	10 00
Mrs S Sellers,	10	10	5 00
Wm G Sellers,	21	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of May, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the auction rooms of Messrs. Jerome Rice & Co., No, 327, Montgomery street, San Francisco, on Wednesday, the 13th day of July, 1864, at One o'clock P. M. of said day, to pay the delinquent assessments thereon, (being fifty cents per share) together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.
Office, 415 Washington Street, San Francisco,
June 25th, 1864. 26-4t

Scely Gold and Silver Mining Company Big Creek District, Lander county, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of said Company, there will be sold at public auction to the highest bidder for cash, in U. S. Gold Coin, at the office of the Company, No. 1 & 2 Government House, corner of Washington & Sausome streets, San Francisco, on Mouday, July 18th, 1864, at 11 o'clock, A. M. so many shares of the Capital stock of said Company standing in the names of the following named shareholders as will be necessary for the payment of Assessment No 2, for 25 cts, per share levied Oct. 1st, 1863. Assessment No. 3 for 25 cents per share, levied Nov. 21st, 1863. Assessment No. 4, for 50 cents per share, levied Feb. 9th, 1864, together with expenses of advertising and all other expenses of sale.

Names.	No. of Shares.	Ass't. 2 of 25c.	Ass't. 3 of 25c.	ss't 4 of 50
Anderson, J M	6	—	—	$2 50
Calhoun, A	87½	—	—	43 75
Capron, John S	25	$0 25	$0 25	12 50
Condee, G M	10	—	—	5 00
Dwarakowsky, Count	43¾	—	10 87	21 75
Gray, John	25	6 25	6 25	12 50
Greely, O F	10	—	—	5 00
Greely, S	5	—	—	2 50
Hulburd, H S	20	—	—	10 00
Hall, J J	100	—	—	50 00
Parker E	120	—	2 50	60 00
Perkins, J L	40	—	—	20 00
Rogers, Wm H	110	(not issued)	—	55 00
Scely, G F	90	22 50	22 50	45 00
Squires, Ogden	170	42 50	42 50	85 00
Turner, Geo R	44	11 00	11 00	22 00
Uhrig, C A	15	3 75	3 75	7 50
Veatch, Dr J A	80	20 00	20 00	40 00
Wells, Cyrus	25	—	6 25	12 50

25-4t HENRY S. BROOKS, Secretary.

Rubicon Gold & Silver Mining Company, No. 1.
Rubicon Gold & Silver Mining Company, No. 2.
Rubicon Gold & Silver Mining Company, No. 3.
Rubicon Gold & Silver Mining Company, No. 4.
Keys District, Mono County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 21st day of June, 1864, an Assessment of ten cents per share, was levied upon the assessable Capital Stock of said Companies, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said Assessments shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. J. P. VAN HAGAN, Sec'y,
Office, Rooms 7 & 8, 3d floor, No. 302 Montgomery street San Francisco. 26-4t

Rhode Island Gold and Silver Mining Company, Keys Mining District, Mono county, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of June, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay said delinquent assessment, together with cost of advertising and expenses of the sale. By order of the Board of Trustees.

J. W. MYRICK, Secretary.
Office, No. 525 Montgomery street, over Blue Wing Saloon, San Francisco. 24-5t

St. Clair Consolidated Mining Company, Smoky Valley District, R. R., N. T.

Notice is hereby given, that at a meeting of the Board of Trustee of said company, held on the 7th day of June, 1864, an assessment of $1 per share was levied upon the Capital Stock of said company, payable immediately, in U. S. Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 9th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 23d day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.
24-4t Office, 540 Washington street, San Francisco.

Southern Belle Gold and Silver Mining Company, Reese River District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 9th day of June, 1864, an Assessment of twenty-five cents per share was levied upon the capital stock of said Company, payahlo on the 10th day of June, 1864, in United States gold coin, to the Secretary, or to R. T. Hill, Superintendent, at Austin, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 9th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 23d day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. W. F. HUGHES, Sec'y.
24-4t Office, No. 6 Mead House, San Francisco

A Good Canvassing Agent Wanted at this Office immediately, for the Interior. None but an active business man with good references, need apply.

Wanted.—Copies of Nos. 3, 8, 13 and 18, of Volume VIII of the MINING AND SCIENTIFIC PRESS. Full prices will be paid for the return of any of the above numbers at this office.

Moscow Gold and Silver Mining Company, Esmeralda District, Nevada Territory.

NOTICE.—A sufficient number of shares of the capital stock of the Moscow Gold and Silver Mining Company, standing on the books of the Company in the names of the following persons, will be sold, at Public Auction, at the salesroom of L. Keller & Co., No. 531 Market street, San Francisco, on FRIDAY, the 15th day of July, 1864, at 11 o'clock A. M., as may be necessary to pay assessments now due by said parties, together with expenses of advertising and sale, if not paid to the Secretary, at his office, previous to sale:

Names.	No. of Certificates.	Assessments.	No. Shares.	Amt due.
J P O'Sullivan	20—not iss'd	1 2 3 4	20	$40 00
John Comins	33, 40, 41, 42	3 4	100	100 00
B Dexter	35	3 4	75	75 00
A Faulk	not issued	3 4	4	4 00
J P Moulston	44	3 4	25	25 00
O H Hill	1 and 29	4	110	55 50
J A Deyo	50, 51, 52, 53, 54	4	115	57 50
T Bullen	34	4	15	7 50
Wm Jones	39	4	10	5 00
R Sanivers	37	4	25	12 50
J C McDonald	45	4	15	7 50
J G Thompson	46	4	10	5 00

By order of the Board of Trustees.
GEORGE STURTEVANT, Secretary.
(24-4t) Office, No. 608 Montgomery street, San Francisco.

Nevada Copper Mining Company, Nevada County, California.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment No. 8, levied May 14th, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amount.
Byrne, Jas K	89	44	$22 00
Byrne, Jas K	93	50	25 00
Byrne, Jas K	94	50	25 00
Carter, Chas D	15	50	25 00
Carter, Chas D	65	100	50 00
Carter, Chas D	57	50	25 00
Fricot, Jules	30	25	12 50
Hughes, Thos L	79	50	25 00
Hughes, Thos L	80	25	12 50
Paxson, Jos S	51	96	48 00
Paxson, R C (estate of)	71	96	48 00
Shiels, Wm	9	50	25 00
Smith, C W	31	25	12 50
Spencer, W K	49	25	12 50
Spencer, W K	83	50	12 50
Wheaton, Wm R	34	100	50 00

And in accordance with law, and an order of the Board of Trustees, made May 14th, 1864, so many shares of each parcel of said stock as may be necessary will be sold, at the salesroom of Cobb & Shinton, No. 406 Montgomery street, San Francisco, on the 2d day of July, 1864, at 11 o'clock A. M., to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

RICHARD S. CLARK, Secretary.
25-2t Office, No. 610 Merchant street, San Francisco.

Sierra Consolidated Gold and Silver Mining Company.—Location of Works in Sierra County, Cal.

Notice.—There are delinquent, upon the following described stock, on account of assessment levied on the 23d day of May, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Cert.	No. Shares,	Amt.
Barrett, F A	752	10	$ 2 50
Barrett, F A	1095	10	2 50
Barrett, F A	1096	9	2 25
Brownlee John	854	1	25
Brenham, C J	963	33	8 25
Byrne, H H	969	10	2 50
Betaeune, Joseph	980	20	5 00
Baby, F R	1035	50	12 50
Baby, F R	188	50	12 50
Baby, F R	189	50	12 50
Baby, F R	190	50	12 50
Baby, F A	191	50	12 50
Baby, F A	1054	50	12 50
Burnitt, Harry	25	5	1 25
Bohm, Wm	341	5	1 25
Burdick, E F	397	5	1 25
Burdick, E F	399	5	1 25
Burdeck, E F	610	10	2 50
Barbadoes, F G	1170	10	2 50
Bibbins, T L	1166	25	6 25
Chinn, Georgo	19	5	1 25
Chinn, Emma	23	5	1 25
Cunningham, David	520	10	2 05
Cory, S W	441	100	25 00
Cory, S W	444	100	25 00
Cory, S W	445	100	25 00
Cory, S W	1105	10	2 50
Cory, S W	1120	50	12 50
Cory, S W	1115	25	0 25
Compes, H	1104	5	1 25
Chase, Q A	309	100	25 00
Crowley, Johanna	782	20	5 00
Corcoran, Wut	979	10	2 50
Corcoran, Wm	1030	30	7 50
Cashman, Wm	1034	30	7 50
Chase, H A	1010	5	1 25
Daily, James	237	127	31 75
Daily, James	238	20	5 00
Daily, James	976	18	4 50
Dean, A M	272	25	0 25
Dean, Benjamin	273	25	0 25
Dean, Benjamin	868	50	12 50
Dyckman, Mrs Anna	474	34	8 50
Donnelly, John	863	10	2 50
Dermoody, James	959	17	4 25
Dermoody, James	964	13	3 25
Durkin Edward	974	1000	250 00
Drumm Thomas	1062	50	12 50
Drumm, Thomas	1065	25	6 25
Drumm, Thomas	1067	25	0 25
Drumm, Thomas	1077	50	12 50
Gardogny, Mario	342	20	5 00
Gilhooly, Thos	681	20	5 00
Green, F P	709	50	12 50
Green, F P	710	10	2 50
Green, F P	769	20	5 00
Gleason, W B	1061	10	2 50
Gleason, W B	1083	45	11 25
Gilman, A M	1060	10	2 50
Hawkins, Arthur	1	233	58 25
Hawkins, Arthur	2	234	58 50
Hawkins, Arthur	3	200	50 00
Hawkins, Arthur	4	11	2 75
Hawkins, Arthur	5	10	2 50
Hawkins, Arthur	0	10	2 50
Hawkins, Arthur	7	2	50
Hawkins, James	10	20	5 00
Hawkins, James	12	20	5 00
Hawkins, James	15	89	22 25
Hawkins, James	763	50	12 50
Hawkins, Wm	224	7	1 75
Hawkins, Wm	805	5	125
Hawkins, Wm	225	10	2 50
Hawkius, Wm	220	20	5 00
Hawkins, Wm	228	184	46 00
Hawkins, Wm	780	10	2 50
Hawkins, Michel	241	20	5 00
Hawkins, Michel	242	20	5 00
Hawkins, Michel	521	120	30 00
Hitchcock, W F	562	5	1 25
Hitchcock, W F	568	20	5 00
Hitchcock, W F	569	20	5 00
Hitchcock, W F	1078	4	1 00
Hitchcock, W F	1107	25	6 25
Hotaling, Mrs A P	805	20	5 00
Higgins, Mark W	013	100	25 00
Higgins, Mark W	014	50	12 50
Higgins, Mark W	015	10	2 50
Higgins, Mark W	910	100	25 00
Hawley Chas A	950	25	6 25
Jones, J W	477	5	1 25
Jackson, Otis	807	25	6 25
Journe, Mario	980	25	6 25
Journe, J Marie	488	25	6 25
Janes, J L	089	5	1 25
Kellogg, C W	672	700	175 00
Kehoe, John	730	5	1 25
Kehoe, John	731	5	1 25
Kehoe, John	732	5	1 25
Kehoo, John	733	5	1 25
Kehoe, John	734	5	1 25
Kehoe, John	735	5	1 25
Kehoe, John	736	5	1 25
Kehoe, John	737	5	1 25
Kehoe, John	738	5	1 25
Kehoe, John	739	5	1 25
Kehoe, John	740	5	1 25
Kehoe, John	741	5	1 25
Kehoe, John	742	5	1 25
Kehoe, John	743	5	1 25
Kehoe, John	744	5	1 25
Kehoo, John	745	5	1 25
Kehoe, John	740	5	1 25
Kehoo, John	747	5	1 25
Kehoe, John	748	5	1 25
Kehoe, John	749	5	1 25
Kehoe, John	897	10	2 50
Knowles, E N	754	50	12 50
Konney, Mary	768	500	125 00
Kuhne, Arnold	843	10	2 50
Kelly, Thomas	1051	10	2 50
Kelton, S B	1080	25	6 25
Kelton, S B	1081	25	6 25
Linen, James	755	50	12 50
Linen, James	750	50	12 50
Linen, James	757	25	12 50
Linen, James	758	25	12 50
Linen, James	890	80	20 00
Levy, A	688	10	2 50
Lowenstein, J	800	10	2 50
Lay, John	855	1	25
Lydiard, K E	860½	15	3 75
Molineaux, Henry	705	100	25 00
McPyke, H W	203	100	25 00
McPyko, H W	204	50	12 50
McPyke, H W	881	20	5 00
McPyko, H W	882	25	6 25
McGovern, P	486	100	25 00
McGovern, P	487	100	25 00
McGovern, P	722	50	12 50
McGovern, P	723	15	3 75
McGovern, P	803	60	15 00
McGovern, P	889	100	25 00
McGovern, P	031	200	50 00
McGovern, P	087	250	62 50
McGinley, R	545	5	1 25
Martin, J B	599	15	3 75
McElroy, James	702	10	2 50
McElroy, James	803	20	5 00
McElroy, James	1101	20	5 00
McNally, L	764	30	7 50
Murray, Mrs M	900	25	6 25
Murray, Mrs M	938	13	3 25
Martin, Julio	982	10	2 50
McCarthy, James	1053	13	3 25
McPyke, Barnard	730	20	5 00
Pearson, Wm	613	5	1 25
Pearson, E A	718	5	1 25
Pearson, Edward	719	99	22 50
Pearson, Edward	718	50	12 50
Pearson, Isabella	1048	50	12 50
Peck, E T	767	10	2 50
Peck, E T	778	20	5 00
Peck, E T	772	10	2 50
Osborne, G W	995	10	2 50
Owens, J J	1173	50	12 50
Ramsey, J D	691	20	5 00
Ramsey, J D	692	5	1 25
Riley Cornelius	892	5	1 25
Sears, J F	1157	10	2 50
Smith, James	1102	150	37 50
Shaw, John	1025	200	50 00
Shaw, John	1045	130	32 00
Sims, Charles	044	5	1 25
Sydow, D J	1023	50	12 50
Sydow, D J	1024	50	12 50
Sydow, D J	1025	25	6 25
Sydow, D J	1020	20	5 00
Sydow, D J	1027	10	2 50
Stumbish, Sarah	1003	12	3 00
Smith, Mrs M J	475	50	12 50
Stewart, James H	674	5	1 25
Stewart, I R	700	10	2 50
Stokes, J C	18	25	12 50
Stokes, Mary A	30	30	7 50
Stokes, W C	42	25	0 25
Stokes, W G	43	25	0 25
Stokes, W C	44	25	6 25
Stokes, W C	45	10	2 50
Stokes, W C	46	10	2 50
Stokes, W C	48	10	2 50
Stokes, W C	40	10	2 50
Stokes, W G	51	10	2 50
Stokes, W C	56	20	5 00
Stokes, W G	158	20	5 00
Stokes, W C	59	20	5 00
Stokes, W C	083	3	75
Stokes, W G	000	5	1 25
Servollo, Placido	345	5	1 25
Tobin, M E	614	20	5 00
Todd John	850	50	12 50
Tuthill, B F	847	10	2 50
Tuthill, B F	848	10	2 50
Tuthill, B F	849	5	1 25
Tornling, T A	872	5	1 25
Torning, Mrs, E	073	50	12 50
Torning, Mrs E	000	20	5 00
Taylor, Laura A	1164	110	27 50
Thurlin, A,	1040	2	50
Walsh, S T	221	20	5 00
Walsh, S T	222	10	2 50
Walsh, S T	223	10	2 50
Walsh, S T	070	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of May, 1861, so many shares of each parce of said stock as may be necessary, will be sold at auction, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock, M., to pay said delinquent Assessments thereon, together with costs of advertising and expenses of sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. 26-4t

San Lorenzo Gold and Silver Mining Company, Santa Cruz County, California.

Notice.—There is delinquent upon the following described stock on account of assessments levied on the 24th day of May, 1864, the several amounts set opposito the names of the respective shareholders, as follows:

Names.	No. Certif.	No. Shares.	Amt.
Bloomigdale, E	99	25	$12 50
Broughton, W W	265	5	2 50
Bigelow, A J	325	5	2 50
Drury, Wm	61	10	5 00
Drury, Wm	62	5	2 50
Ely, Alex	331	10	5 00
Friend, J J	200	20	10 00
Fricud, W H	299	10	5 00
Gitts, Robert	304	10	5 00
Gray, Mrs M G	295	6	3 00
Hargiss, W F	242	10	5 00
Hargiss, W F	314	5	2 50
Johnson, Jeremiah	290	4	2 00
Mohrig, C F	251	5	2 50
Mohrig, C F	252	25	12 50
Mohrig, G F	254	35	17 50
Mohrig, C F	264	10	5 00
Mohrig, G F	250	50	25 00
Mecks, Mrs M J	170	10	5 00
Mecks, Mrs M J	248	10	5 00
Mecks, Mrs M J	341	10	5 00
Ottignon, J L	200	4	2 00
Ottignon, Mrs L P	199	1	50
Ohm, Fredk	311	5	2 50
Ohm, Fredk	312	5	2 50
O'Brion, Dani	119	10	5 00
Patridge, H C	154	20	10 00
Patridgo, H C	155	20	10 00
Parrant, Mrs C	227	5	2 50
Smith, J A	169	45	22 50
St John, B G	370	35	17 50
Scott, Joseph	87	10	5 00
Victor, F F	273	3	1 50

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of May, 1864, so many Shares of each parcel of said Stock as may be necessary, will be sold at the office of the company, No. 537 Washington Street, San Francisco, on Monday, the 11th day of July, 1864, at 12 o'clock M. of that day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale. MILO CALKIN,

Office, 537 Washington Street. Secretary.

26-td

Silver Creek Mining Company.—Location, Keys District, Mona county, California.

Notice is hereby given, that, at a regular meeting of the Board of Trustees of the above named Company, held on the 30th day of May, 1864, an assessment of fifty (50) cents per share was levied on each and every share of the capital stock of the Company, payable immediately, in U. S. gold coin, to the Secretary, at his office, or to the Superintendent, at the mine.

Any stock upon which the assessments shall remain unpaid on the 25th day of June, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 18th day of July, 1864, at 1 o'clock P. M., at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. J. F. MILLER, Secretary.

Office, No. 416 Washington street. San Francisco, June 10th, 1864, 24-4t

Steamboat Silver Mining Company, Star District, Humboldt Co., Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of May, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on SATURDAY, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on TUESDAY, the 2d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTMAN, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 25-4t

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Slaters Gold and Silver Mining Company, Augusta District, Lander county, N. T. Office, 406 Front street, San Francisco, June 22, 1864.

Notice is hereby given, that a meeting of the Trustees of said Company, held October 17th, 1863, an Assessment, No. 1, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No. 2, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Both Assessments, No. 1, and No. 2, payable immediately, in United States gold coin to the Treasurer at the office of said Company, or to John Moffet, Superintendent, at the mine, in Nevada Territory.

Any stock upon which said Assessments shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with cost of advertising and expenses of sale.

25-4t J. FRANK MILLER, President.

Selleck and Valley Forge Copper Mining Companies, Amador County, Office, 610 Front Street, Room 4, up stairs.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SELLECK COMPANY.

Names.	No. Cert.	No. Shares.	Amt.
John D Deneut,	46 to 49	200	$50 00
G R Cady,	42 to 15	180	45 00
W Ingersol,	32 to 34 and 169,	175	43 75
S Selleck,	84 to 88, & 149, 150	500	125 00
J W Selleck,	89 to 92	200	50 00
Geo S Ingersoll,	93	25	6 25
G. H. Russell,	135	13	3 25
J Johnson,	137	5	1 25
E Saunders,	177	10	2 50

VALLEY FORGE.

Silas Selleck,	40 to 42 & 94	175	70 00
J. Chamberlin,	not issued	100	40 00
C W Thomas,	59 to 77	100	40 00
W M Hutton	92	13	3 25
L C Kelley	89	20	8 00

And in accordance with law and an order of the Board of Trustees, made on the 18th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23rd day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale. EDWARD F. BENT.

26-4t Secretary.

United States Gold and Silver Mining Company.—Mine located in Lander County, Nevada Territory.

Notice.—There are delinquent, upon the following described Stock, on account of Assesment No. 1, levied December 23d, 1863, and Assessment No. 2, levied February 6th, 1864, of $40 per original share, the several amounts set opposite the names of the respective Shareholders, as follows:

ASSESSMENT NUMBER ONE.

Names.	No. Feet.	Amount.
E Lashier,	400—stock not issued	$12 00
J S Schuster,	332—stock not issued	9 96
George Baumer,	334—stock not issued	10 02
Henry Schutz,	334—stock not issued	10 02
D B James,	100—stock not issued	3 00
D Tourtellotta,	200—stock not issued	6 00

ASSESSMENT NUMBER TWO.

Fisher M Clarke,	400—stock not issued	20 00
F Lashier,	400—stock not issued	20 00
R R Fuller,	334—stock not issued	16 70
J S Schuster,	332—stock not issued	16 70
George Baumer,	334—stock not issued	16 70
Henry Schutz,	334—stock not issued	16 70
D B James,	100—stock not issued	5 00
D Tourtellotta,	200—stock not issued	10 00

And in accordance with law, and an order of the Board of Trustees, made on the twentieth day of May 1864, so many shares of each parcel of said stock as may be necessary will be sold at the auction rooms of John Middleton & Son, No. 400 Montgomery street, San Francisco, on MONDAY, the 29th day of June, 1864, at 12 o'clock M. of that day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. San Francisco, May 20th, 1864. 21-tf

POSTPONED.—The above mentioned sale is postponed until the 11th day of July next, at the same hour and place. By order of the Board of Trustees. T. L. BIBBINS, Sec'y. San Francisco, June 22, 1864. 26-td

Union Tunnelling Company, Santa Clara, Hamboldt County, Nevada Territory.

Notice is hereby given, that in accordance with the laws of Nevada Territory, the by-laws of the Company, and an order duly made, by the Board of Trustees of the above named company, there will be sold at Public Auction, in front of the Company's Office in Santa Clara, on Saturday, July 16th, A. D. 1864, at three o'clock, P. M., so many shares of the Capital Stock of said company, standing in the names of the following shareholders, as will be necessary to pay assessments Nos. 2 and 3 now due thereon, together with costs of advertising and other expenses of sale, unless the same shall have been previously paid.

Names.	No. Cert.	No. Shs.	Amount
Joseph A Benoit	32	10	$10
Geo S Barrnge	132	0	3
Geo G Berry	134	10	10
Geo G Berry	135	10	10
Geo G Berry	130	5	5
Geo G Berry	137	5	5
G L Crane	34	10	10
Wm P Denckla	21	10	10
Julia E Denckla	22	10	10
L C Dodge	77	30	30
John Dewucy	84	5	5
M G Elmoro	125	10	10
Warner Earl	160	5	2 50
H T Fairbanks	78	10	10
H A Fax	81	50	50
A C Gay	69	5	5
W E Gillaspie	not issued	50	55
E P Greeu	not issued	30	33
Elias Gill	79	10	10
W H Hoburg	5	10	10
W R Harrison	35	15	15
W R Harrison	40	15	15
W R Harrison	42	20	20
W R Harrison	44	20	20
Geo W Harrison	47	25	25
Geo W Harrison	60	5	5
S N Harrison	48	20	20
M W Haviland	75	12	12
M W Haviland	180	111	73
R N Hoff	82	10	10
J A Hollister	122	25	25
J A Hollistor	124	15	15
O R Johnson	49	25	25
G C Janes	62	10	10
Edward L Lovy	13	25	25
Mary Lee	01	5	5
Trescott Lizenby	100	10	10
L H D Lange	130	5	2 50
L H D Lange	174	5	5
M Meador	not issued	15	16 50
G E Morgan	20	10	10
Robt McBeth	27	15	15
Robt McBeth	30	10	10
Robt McBeth	100	0	9
Miller & Kingsley	157	20	20
M H Myrick	101	25	2 50
John H Neale	61	10	10
John H Neale	158	10	10
O H O'Hanon	1	25	25
W D Powell	12	10	10
David Porter	18	50	50
S H Pierce	19	10	10
Allen Peacock	176	10	5
H B Ray	15	5	5
H B Ray	111	10	10
Charlott C Robinson	114	62	62
Phebe Reed	162	10	5
R H Scott	90	25	25
A J Simmons	146	5	5
A J Simmons	147	5	5
E Volpillac	143	20	20
M T Woody	89	10	10
John Waugman	102	10	10
Thos D Williams	113	02	62
Wall & Hawley	151	10	10
Wall & Hawley	152	10	10
Wall & Hawley	155	5	5

N. B.—Payment of the above can be made to H. H. Woon, at No. 627 Clay street, San Francisco, until the 9th day of July, 1864, or at the office of the Company, in Santa Clara until the day of Sale. J. J. KELLOGG, Secretary.

Santa Clara, June 1st, 1864. 24-4t

Vivian Gold and Silver Mining Company, Blue Sulphur Springs District, Lyon county, N. T.

The second annual meeting of the Stockholders of the Vivian Gold & Silver Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Company, 728 Montgomery street, on Wednesday, July 6th, 1864, at 8 o'clock, P. M.

24-4t HENRY S. FITCH, Secretary.

Wm. Mitchell Gold and Silver Mining Company, Silver Mountain, Amador County, Cal.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 16th day of June, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold or silver coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on the 21st day of July, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on FRIDAY, the 5th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees A. C. WOOD, Secretary.

Office, S. E. Corner Montgomery and Pine streets, San Francisco. 26-4t

White Mountain Consolidated Mining Company.—Location: White Mountain District, Mono county, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the above named Company, held on the 6th day of June, 1864, an Assessment of fifteen (15) cents per share was levied on each and every share of the capital stock of the Company, payable immediately, in U. S. gold coin, to the Secretary, at his office.

Any stock upon which the assessments shall remain unpaid on the 9th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before will be sold, on the 20th day of July, 1864, at 1 o'clock P. M. at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco. The costs of advertising and the expenses of the sale will be added to the delinquent assessments. J. F. MILLER, Secretary.

Office, No. 416 Washington street. San Francisco, June 10, 1864, 24-4t

Winona Gold and Silver Mining Company, Moss Lode, San Francisco District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of June, 1864, an Assessment of twenty-five cents per share was levied upon the Capital Stock of said Company, payable on the 11th day of June, 1864, in United States gold and silver coin, to the Secretary, No. 11 Government House, City and County of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 9th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 27th day of July, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale.

EDW. QUACKENBUSH, Secretary.

Office, No. 11, Government House, cor. Sansome and Washington streets. 24-4t

Wellington Gold and Silver Mining Company. Wellington Ledge, No. 2, South Catalina Island.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 9th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certif.	No. Shares.	Amt.
W J Woodley,	14	25	6 25
W J Woodley,	15	25	6 25
W J Woodley,	16	25	6 25
Wesley Deggins,	18	200	Bnl. 5 00
B F Swan,	19	200	Bal. 20 00
H A Boyle	31½	31	
H A Boyle	32½	50	Bnl. 2 50

And in accordance with law and an order of the Board of Trustees, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, on Monday, the 11th day of July, 1864, at the hour of 10 o'clock, A. M., of said day, to pay said delinquent Assessment thereon, together with casts of Advertising and expenses of Sale.

S. G. GARDNER, Secretary.

Office, 605 Sneramento street, San Francisco. 26-2t

Webster G. & S. Mining Company, Montgomery District, Mono county, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of May A. D. 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount
Lott Blanchard	10, 12, 13	60	15 00
C. Beach	103 to 110	70	17 50
G. Bonnett	91 to 05	70	17 50
C. Ennis, (not issued,) two ass'nts		70	35 00
Hugh Flynn	25, 26, 27, 31	38	0 50
John Flynn	51 to 56	70	17 50
Geo. R. Graeff, two assessments	42	25	12 50
M. Heinau	74, 75, 70, 78, 79	55	13 75
Fred. Smith	80 to 85	70	17 50
E. H Kitiredge, (not issued,)		70	17 50
W. H. Libby	67 to 73	70	17 50
Valentine Schmidt	37 to 50	70	17 50
J. C. Van Vranken	14 to 17	35	8 75
Thomas S. Delano	33	5	1 25
S. M. Mouser	35	10	2 50
P. Lynch	122	12	3 00
Richard Hutchinson	123	3	75
Jno. C. Nicholson	124	2	50
Patrick Tilly	125	5	1 25
Pauline Robinson	126	5	1 25
Aunio Daunegan	127	5	1 25
Henry Chester	111	5	1 25
J. B. Levit	87, 89	10	2 50
J. B. Owens	142	30	7 50
G. Raisch	120	5	1 25
B. S. Hall	19, 20	18	4 50
T. B. Andrns	134, 135	25	0 25

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of May 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the Office of the Company on the 9th day of July, A. D. 1864, at 2 o'clock P. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

H. B. SHELDON, Secretary.

Office, 302 Montgomery street, San Francisco. 26-2t

New This Week.

Coso Silver Mining Company, Coso District

Tulare County, California.

Notice.—There are delinquent upon the following described stock on account of assessments levied on the 2d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Am't
Abbot Jos E	755	3	$3 00
do do	910	5	5 00
do do	1108	4	4 00
Austin Henry	1100	1	1 00
do do	1379	3	3 00
Adsif L B	1428	5	5
Arnold Bros	764	5	5
Burbank D	748	6	6
Bell G W	457	5	5
Beattie Geo	779	5	5
Bramstane Geo	788	3	3
Blanding E J	bal 5 shs 809	2	2
Bowden C S	911	1	1
Brninard H C	1325	5	5
Brann R G	1593	25	25
Barker B M	1541	10	10
do do	1542	9	9
do do	1543	5	5
Bourn W B	1291	20	20
do do	1292	10	10
do do	1458	45	45
Beaver G W	bal 60 shs 1343	2	2
Barneman F G	1358	2	2
Barker J L	1398	5	5
do do	1394	5	5
Bowen E	1409	3	3
Bigelow Bros	1441	7	7
Beckford D K	1512	5	5
do do	1513	5	5
do do	1514	5	5
do do	1520	3	3
do do	1521	5	5
Chace M T	711	5	5
Colby H H	1403	1	1
Cole Mary C	891	5	5
Colburn R	1027	5	5
do do	1077	5	5
Clark E F	1558	30	30
Craig J	bal 5 shs 1331	1	1
Coleman Thos	1356	3	3
Cook P	1421	5	5
Carle E	bal 5 shs 1471	1	1
Collins J C	1473	5	5
Cleary F D	1498	10	10
do do	1499	5	5
do do	1535	20	20
do do	1536	10	10
do do	1537	5	5
Crane Israel	bal 10 shs 1524	7	7
do do	1537	20	20
do do	1538	20	20
do do	1539	10	10
Davis G B	1063	14	14
Davis Car F	753	3	3
Dunn John	923	5	5
do do	925	5	5
Davis J C	1023	5	5
Davis H J	1154	2	2
do do	1210	8	8
do do	1456	50	50
do do	1457	25	25
do do	1455	25	25
Elmore M J	1562	18	18
Ellmatter F S	1594	4	4
Elliott W	bal 5 shs 1172	1	1
Fletcher N K	699	5	5
Farnsworth J L	1399	4	5
French W N	1067	10	10
French R F	1068	5	5
Forsaith E W	1162	10	10
do do	1163	5	5
do do	1167	10	10
Felt Wm	1525	20	20
Farrell J D	1510	4	4
Grindrod J	857	10	10
Griffin Maggie	1688	5	5
Grny M	1281	5	5
do do	1298	5	5
Hyams E	1475	5	5
Hendric J W	636	15	15
do do	637	15	15
do do	731	20	20
do do	915	10	10
Hale H B	982	10	10
do do	1036	10	10
do do		7½	7
Harnden F H	1150	9	9
do do	1151	1	1
Hinckman P L	bal 49 shs 1153	19	19
Hathawny E V	1307	20	20
Kellogg C W	1315	10	10
Knox O	1344	10	10
Kelly Thos	1217	7	7
do do	1549	3	3
Kramer F	1508	12	12
Gallagher W K	1509	7	7
Goedman P	1588	4	4
Kelly J D	1530	10	10
Lang J L	432	1	1
Lathrop L B	566	4	4
do do	567	10	10
do do	569	15	15
do do	572	15	15
Lawrence W W	1357	2	2
Lyon W S	1433	5	5
do do	1434	5	5
Lyle J B	bal of 9 shs 1520	4	4
do do	1388	10	10
do do	1389	10	10
Levy A	1461	10	10
Law Mok	1511	2	2
do do	1595	7	7
Lacy T J P	1653	10	10
Milbourne Loulsa	776	2	2
Miller Mrs Marian	1440	10	10
Miller Thos	1435	10	10
Mills Pinlo	bal 43 shs 1037	10	10
do do	1150	25	25
do do	1414	5	5
do do	1561	7	7
Miller Bros	1054	5	5
Mandeville J C	1134	25	25
Miller A D	bal 8 shs 1501	2	2
McDongall Carolina	bal 10 1360	3	3
Mackay Owon	1405	5	5
Nutter Annie M	1011	2	2
Nauman Emile	1048	5	5
Norton J	1412	10	10
Nelson J P	1195	5	5
McCort Robt	1425	3	3
McCollian T W	1559	19	19
Marsh A	1563	1	1
Moses Amanda L	1578	15	15
Morgan L E	1582	20	20
Mayers A	1592	8	8
O'Connor J	1597	19	19
Presho S A	1591	31	31
Prichard J	881	4	4
Prince Thos	1480	5	5
Pond E B	1136	25	25
Peake E T	1592	10	10
Packard Chas	1427	20	20
Poucher M	1347	1	1
Peel J	1453	5	5
do do	1600	4	4
Polk R T	1463	20	20
Rose G W	930	20	20
do do	940	5	5
do do	1025	5	5
do do	1226	10	10
Redenth Emils	074	5	5
Rogers Chas	1178	5	5
Roberts C G	1401	5	5
Termilliger N B	1504	10	10
do do	1507	5	5
Tarpy M	1533	20	20
do do	1535	10	10
do do	1534	14	14
Tuite Agnes J	1564	25	25
Rice A W	1574	5	5
Thibault T J	1589	13	13
do do	1590	20	20
Snell E	594	2	2
Swift W L	595	1	1
Shattuck Anna B	855	1	1
do do	1182	5	5
Sullivan Honora	870	1	1
Steere T F	1300	5	5
do do	bal 3 shs 1329	1	1
Selleck S	1219	5	5
Thomas P J	630	5	5
Titcomb J H	1181	10	10
Thine J P	1443	3	3
Tyler W	1415	10	10
Thomas Eliza	1435	0	5
Strahan S	1439	5	5
Sterem C E	1343	1	1
Sparrow S J	1491	10	10
do do	1492	10	10
do do	1499	13	13
Scott H	1519	50	50
Soule H	1579	13	13
Smith C	1581	10	10
Upton C D	1299	10	10
Wood Geo	1575	50	50
Warth E	1874	3	3
Wathams Wm	918	1	1
do do	910	1	1
do do	920	1	1
Whitney S	1576	49	40
do do	1577	50	50
Whitney Dr J P	1344	20	20
do do	1153	15	15
do do	1211	2	2
Wiswell T	1209	10	10
Wyso N H	bal 5 shs 1470	1	1
Wheeler Mrs C P	1341	1	1
Williams H	1420	2	2
Washburn L	1431	20	20
Woods F H	1570	25	25
Wood Mary D	1603	31	31
Wood Emily	1604	30	30

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 16th day of July, 1864, at 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. D. W. CHAMBERS, Secretary.

Office, 636 Clay street, San Francisco, California. 1

Orinoco Gold & Silver Mining Company, Carroll Gold & Silver Mining Company, Brooklyn Gold & Silver Mining Company, Lapland Gold & Silver Mining Company, Victoria Gold & Silver Mining Company, Mohawk Gold & Silver Mining Company, Recso

River District, Lander County, Nevada Territory.

Notice.—There is delinquent upon the following described stock, on account of assessments levied on the 28th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

ORONOCO GOLD AND SILVER MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount
G Morrill,	1	100	$50 00
G Morrill	2	100	50 00
J T Crow,	3	100	50 00
J T Crow,	01	25	12 50
J T Crow,	02	25	12 50
J T Crow,	53	25	12 50
N Carroll,	5	50	25 00
N Carroll,	6	50	25 00
N Carroll,	7	50	25 00
N Carroll,	8	50	25 00
C Johnson,	30	20	10 00
C Johnson,	39	10	5 00
C Johnson,	40	10	5 00
C Johnson,	41	10	5 00
C Johnson,	42	10	5 00
C Johnson,	43	5	2 50
C Johnson,	44	5	2 50
C Johnson,	45	5	2 50
C Johnson,	46	5	2 50
C Johnson,	47	5	2 50
C Johnson,	48	5	2 50
C Johnson,	49	5	2 50
C Johnson,	50	5	2 50
C Johnson,	51	7	3 50
B A Rice,	27	40	8 00
A F Schellhorn,	15	48	12 00
Moses McAra,	18	48	24 00
E B Vanderhoef,	20	8	4 00
E B Vanderhoef,	58	4	2 00
Andrew Thompson,	25	4	2 00
Geo Cobb,	14	8	4 00
Mrs Almira Adams,	23	8	4 00
F Hiller,	00	5	2 50
Nelson Soggs,	04	10	5 00
Nelson Soggs,	55	10	5 00
Nelson Soggs,	60	10	5 00
Nelson Soggs,	67	13	5 00
Mary W Soggs,	33	10	6 50
W H Crawford,	53	9	4 50
A B Carley,	55	11	5 50
W S Frink,	59	5	2 50
Wm Martin,	60	25	12 50
H Mackie	68	48	12 00

CARROLL GOLD AND SILVER MINING COMPANY,

Names.	No. Certificate.	No. Shares.	Amount.
N Carroll	1	50	$25 00
N Carroll,	2	50	25 00
N Carroll,	4	63	31 50
N Carroll,	30	20	10 00
N Carroll,	31	10	5 00
N Carroll,	32	5	2 50
N Carroll,	33	5	2 50
N Carroll,	34	10	5 00
D Jewett,	5	113	66 50
D Jewett,	0	100	50 00
B A Rice,	11	20	5 00
B A Rice,	37	5	1 25
A F Schellhorn,	12	20	5 00
Moses McAra,	16	20	10 00
E B Vanderhoef,	17	5	2 50
T B Vanderhoef,	18	5	2 50
A Lind,	24	10	5 00
A Lind,	25	10	5 00
A Lind,	26	50	25 00
A Lind,	29	13	6 50
B A Rice,	10	20	5 00
B A Rice,	35	5	1 25
A F Schellhorn,	11	20	5 00
E B Vanderhoef,	17	5	2 50
E B Vanderhoef,	18	5	2 50
G Morrill,	36	25	12 50
Mrs M V Thompson	33	10	5 00
A Lind,	24	40	20 00
A Lind,	20	50	25 00
A Lind,	25	10	5 00
A Lind,	34	40	20 00
A M Wells,	5	80	40 00
N Carroll,	2	80	40 00
N Carroll,	3	80	40 00
N Carroll,	26	20	10 00
N Carroll,	27	10	5 00
N Carroll,	28	10	5 00
N Carroll,	29	10	5 00
N Carroll,	30	5	2 50
J T Crow,	1	80	40 00
W B Bluett	37	5	2 50
E Dewey,	40	5	2 50
H Mackie,	41	20	5 00
M McAra.	15	20	10 00

LAPLAND GOLD AND SILVER MINING COMPANY.

Names.	No. Certificates.	No. Shares.	Amount.
N Carroll,	1	160	$80 00
N Carroll,	2	150	80 00
C Johnston,	28	20	10 00
C Johnston,	29	15	7 50
C Johnszon,	31	10	5 00
C Johnston,	33	10	5 00
C Johnston,	34	10	5 00
C Johnston,	35	5	2 50
C Johnston,	36	5	2 50
C Johnston,	37	5	2 50
C Johnston,	38	7	3 50
C Johnston,	39	5	2 50
C Johnston,	43	5	2 50
D Jewett,	5	80	40 00
B A Rice,	9	30	7 50
B A Rice,	40	5	1 25
A F Schellhorn,	10	30	7 50
M McAra,	11	30	15 00
E B Vanderhoef,	15	15	7 50
Andrew Thompson,	20	5	2 50
Mrs M V Thompson,	22	10	5 00
Nelson Soggs.	44	10	5 00
Nelson Soggs,	45	10	5 00
Nelson Soggs,	46	10	5 00
Nelson Soggs,	47	10	5 00
Nelson Toggs,	48	13	6 50
H Mackie,	49	30	7 50

VICTORIA GOLD AND SILVER MINING COMPANY.

Names,	No. Certificate	No. Shares.	Amount.
N Carroll,	2	80	40 00
N Carroll,	37	20	10 00
N Carroll,	39	10	5 00
N Carroll,	40	10	5 00
N Carroll,	41	5	2 50
N Carroll,	42	25	12 50
C Johnston,	49	20	10 00
C Johnston,	50	10	5 00
C Johnston,	51	10	5 00
C Johnston,	52	10	5 00
C Johnston,	53	10	5 00
C Johnston,	54	5	2 50
C Johnston,	55	5	2 50
C Johnston,	50	5	2 50
C Johnston,	57	5	2 50
C Johnston,	58	0	3 60
D Jewett,	4	80	40 00
A Lind,	10	50	25 00
A Lind,	20	50	25 00
A Lind,	21	25	12 50
A Lind,	22	25	12 50
A Lind,	23	10	5 00
A Lind,	24	10	5 00
A Lind,	25	10	5 00
A Lind,	26	40	20 00
A Lind,	31	10	5 00
A Liod,	32	10	5 00
A Lind,	33	10	5 00
A Lind,	29	10	5 00
A Lind,	30	10	5 00
A Liod,	34	20	10 00
A Lind,	not issued	30	15 00
B A Rice,	0	32	8 00
A F Schellhorn,	10	32	8 00
M McAra,	12	32	16 00
E B Vanderhoef,	30	10	5 00
Mrs M V Thompson,	28	10	8 00
Andrew Friedenhurg,	35	6	3 00
Nelson Soggs,	59	10	5 00
Nelson Soggs,	50	10	5 00
Nelson Soggs,	51	10	5 00
Nelson Soggs,	02	10	5 00
Nelson Soggs,	03	20	10 00
Nelson Sogg,	64	14	7 00
H Mackie,	65	32	8 00
H Jacobs,	66	10	5 00

MOHAWK GOLD AND SILVER MINING COMPANY.

Names	No. Certificate.	No. Shares.	Amount.
J S Crow,	1	160	$44 00
N Carroll,	2	80	40 00
N Carroll,	3	80	40 00
N Carroll,	4	80	40 00
N Carroll,	5	80	40 00
C Johnson,	29	20	10 00
C Johnson,	30	20	10 00
C Johnson,	31	10	5 00
C Johnson,	32	10	5 00
C Johnson,	33	10	5 00
C Johnson,	34	10	5 00
C Johnson,	35	5	2 50
C Johnson,	36	5	2 50
C Johnson,	37	5	2 50
C Johnson,	38	5	2 00
C Johnson,	30	7	3 50
H M Wells,	8	80	40 00
B A Rice,	11	22	5 50
A F Schellhorn	12	12	4 00
A F Schellhorn,	20	5	1 25
M McAra,	10	22	11 00
E B Vanderhoef,	17	11	5 50
A B Carley,	21	5	2 50
Nelson Soggs,	40	10	5 00
Nelson Soggs,	41	10	5 00
Nelson Soggs,	42	10	5 00
Nelson Soggs,	43	10	5 00
Nelson Soggs,	44	13	6 50
H Mackie,	45	22	5 50
Mrs M V Thompson,	23	11	5 50

And in accordance with law, and an order of the Board of Trustees made on the 28th day of May, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the Secretary, on the 16th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments theron, together with costs of advertising and expenses of sale.

WM. G. WENDELL, Secretary.

Office, 240 Montgomery Street, corner Pine, San Francisco. 1

NOTICE.

Notice is hereby given that a meeting of the Stockholders of the Moscow Gold and Silver Mining Company will take place on Monday, August first, 1864, at 4 o'clock P M. All shareholders are requested to be present as business of importance will be brought before the Company. By order of Trustees. OEO. STURTEVANT, Secretary.

1-5t Office, 608 Montgomery street.

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "SLIGHT COLD" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. *"Brown's Bronchial Troches"* give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in the pocket and taken as occasion requires.* Agents for California,

1-1m REDINGTON & Co., San Francisco.

Empire Gold and Silver Mining Company,

Rock Spring District, San Bernardino County, California.

Notice.—There are delinquent, upon the following described stock, on account of Assessment levied on the 31st day of May 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	Certificate.	Shares.	Amount.
Allen, H F	17	70⅝	
do do	18	68	
do do	19	68	10 33
Austin, F B	36	68	3 40
Bennett, E S	97	5	25
Bowerman, Daniel	133	5	25
Brufogle, W O	116	5	25
Cheney, Jas	65	103⅝	
do do	70	20	
do do	73	10	
do do	74	10	
do do	77	10	
do do	79	5	
do do	80	5	
do do	81	5	
do do	82	5	4 33
Conrad, D	121	10	
do do	122	7⅛	
do do	123	10	
do do	124	7⅛	1 72
Chapin, G W	149	4 7-12	23
Carrie, G C	210	5	25
Downie, J J	154	5	
do do	199	8	
do do	200	5	
do do	201	5	
do do	202	5	
do do	203	5	
do do	204	5	
do do	205	10	
do do	206	10	
do do	207	10	3 55
Dickinson, J	159	1¾	6
Edgworth, P	168	5	25
Flint, W K	147	8⅜	43
Franklin, E	156	50	
do do	157	31½	
do do	168	10	4 56
Groff, I D	134	5	25
Goldsworthy, I			
Hamilton, Chas	20	11⅜	
do do	21	20	
do do	22	20	
do no	27	10	
do do	29	5	
do do	35	5	3 58
Hathaway, Chas	170	40	2 00
Harrington, Geo	119	10	
do do	110	10	80
Knowles, S H	1 & 2 ea 5	10	16 80
do do	45, 78, 9, 10 & 11 ea 10	70	
do do	12 & 13 ea 50	100	
do do	14	103⅝	9 83
Livermore, H G	34	216⅜	10 83
Mahan' H W	209	10	50
Oliphant, H D	163	17⅛	85
Rowley, I B	148	4	20
Sheau, J F	40	5	25
Schnmacker, L	50	138⅜	5 93
N P Smith	87,88,89,90,93.94,111 ea 10	70	
do do	112 & 183 ea 10	20	4 50
Smith, I F	96	86⅜	4 33
Stone, S A Jr	115	10	50
Taylor, Jos	183	10	50
Taylor, John	113	25	1 25
Upham, J M	159	5	25
Whiting, W J	92	50	2 50
Weed, H	110	6	30
Webster, F C	212	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, Room 8, No. 611 Clay st. San Francisco, on the 16th day of July, 1864, at 12 o'clock M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

G. BOWER, Secretary.

1 Office, 511 Clay street, San Francisco.

Sierra Madre Gold and Silver Mining Company, Spring District, San Bernardino county, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective share holders, as follows:

Names.	Certificate.	Shares.	Amount.
Allen, H T	18	70	
do	19	68	
do	20	68	10 30
Austin, F B	183	8	
do	184	25	
do	185 & 187 ea 10	20	2 65
Ashley, S J	232	53⅛	33
E S Bennett	95	5	25
Brown, Samuel	182	5	25
Bloomer, T	224	10	50
Baldwin, M M	230 & 231 ea 5	10	50
Cheeney, J	64	103⅛	
do	68 & 69 ea 20	40	
do	70 & 75 ea 10	20	
do	79 & 82 ea 5	10	6 70
Conrad, D	117 & 119 ea 10	20	
do	118 & 120 ea 7¼	14½	1 73
Chapin, G W	142	4 7-12	23
Corwin, J R	210	10	50
Downie, J J	211 & 212 ea 5	10	
do	213	8	
do	214	20	
do	215, 216, 217, 218 ea 10	40	
Edgeworth, P	170	5	25
Flint, W K	140	8⅜	43
Hamilton, Chas	23	20	
do	27, 28 & 29 ea 10	30	
do	30, 31, 32 & 35 ea 5	20	3 50
Hathaway, Chas	172	40	2 00
Harrington, Geo	105	10	50
Knowles, S H	1 & 2 ea 5	10	
do	3, 4, 5, 6, 7, 8, 10 ea 10	70	
do	12 & 13 ea 50	100	
do	14	153⅜	9 83
Livermore, H G	35	216⅜	10 83
Mahan, H W	220	10	50
Oliphant, H D	146	17⅛	86
Oakes, Jno	222	5	25
Riddell, G W	221	5	25
Smith, W P	16, 86, 88, 89, 92, 93, 109, 110 & 111 ea 10	90	
do	148	5⅜	
do	149, 150, 151, 152, 153, 154, 155, 156, 157 ea 5	45	
do	158, 159, 160, 194 ea 10	40	9 08
Smith, J F	94	73⅜	3 93
Stone, S A Jr	147	10	50
Taylor, Jos	200 & 201 ea 5	10	50
Taylor, Jno	112	25	1 25
Upham, J M	171	5	25
Whiting, W J	91	50	2 50
Webster, F E	220	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, Room 8, 611 Clay street, San Francisco, on the 16th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. O. BOWER, Secretary.

1 Office, No. 611 Clay street, San Francisco.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

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Election of Officers.

North Superior Copper M. Co.—Meeting, July 5. Trustees, A. J. Ford, Wm. Bell, C. Fancher, James Marlatt. President, Wm. Bell; Secretary, T. B. Sherman; Treasurer, A. J. Ford; Superintendent, S. W. Collins.

North Star G. & S. M. Co.—Meeting, July 4. Trustees, W. C. Harrington, S. Haas, R. W. Heath, J. A. Drinkhouse, Joseph Aaron.

Diana G. & S. M. Co.—Meeting, July 4. Trustees, D. E. Buel, Asaph Gray, J. W. Harker, A. B. Gayle, J. A. Drinkhouse.

Whitlach G. & S. M. Co.—Meeting, July 4. Trustees, H. H. Allen, Asaph Gray, W. H. Sharp, J. A. Drinkhouse, J. W. Harker.

Camanoe G. & S. M. Co.—Meeting, July 5. Trustees, A. Gray, J. W. Harker, W. H. Sharp, A. B. Gayle, A. A. Simonds. President, J. W. Harker; Secretary and Treasurer, W. T. Reynolds.

Independent G. & S. M. Co.—Meeting, July 5. Trustees, A. Gray, A. B. Gagle, J. W. Work, G. A. Pitney, W. T. Reynolds. President, A. Gray; Secretary and Treasurer, W. T. Reynolds.

Leland G. & S. M. Co., Arizona,—Meeting July 7. Trustees, Dr. Isaac Rowell, C. W. C. Rowell, William Packard.

Harris G. & S. M. Co.—Meeting July 5. Trustees, C. Martin, A. Caselli, H. Dreschfeld, F. Mondelet, A. G. Chauche, A. M. Chapelle, J. L. Schroeder. President, C. Martin; Secretary, Hugo Dresch feld; Superintendent, G. W. Green.

Pioneer Coso G. & S. M. Co.—Meeting, July 6, 1864. Trustees. Warren Holt, Israel Crane, E. Cazalis, Francis G. Burke and W. P. Loring.

A Novel Gift.—Captain Cushing, of the Paul Pry, presented to the Sanitary Fair at Stockton, a *fac simile* of the steamer Cornelia, made of confectionery, with the stars and stripes pinned to the halyards. The whole was represented as floating upon a sea of greenbacks, which were thus artistically arranged, to the sum of $200.

NO CAUSE FOR DESPONDENCY.

For the last few weeks there has been an absolute dearth of mining news from the various localities within the State of California. Whether this silence is mainly to be attributed to inattention to such matters on the part of local papers, or whether the streams and gulches have completely dried up, from personal observation, we are unable to say. This much, however, we do know; that at no time since 1849, have we heard so little of placer mining in this State as at the present time. Persons from the interior assure us that there is a solemn reality in this condition of things, and that little or no improvement can be hoped for in the way of this description of mining, until the heavens once more open their windows and pour upon us that much needed blessing—water.

The ditches, they tell us, as a general thing, are nearly dry; the reservoirs upon which they have heretofore mainly relied for their summer supply are empty, and, indeed, have not been filled during the past winter. What little rain we had came so late that where it fell upon the mountains, in the shape of snow, it was upon ground not frozen, and hence could not remain a sufficient length of time to fairly "pack," consequently the earliest summer weather soon melted away the yielding mass; and thus this great natural reservoir—the packed snow of the mountains—has proven quite as unreliable as the artificial reservoirs constructed and filled by the hand of man.

Gloomy and unpromising as these facts now appear, at first sight, the picture is not altogether without its brighter side. The daily receipts of bullion from the interior have not yet been affected, except in a favorable manner, while our treasure shipments thus far, for the present year, are largely in excess of the last. From this we may fairly infer that the real and permanent mining interests of the State are beyond the reach of any contingency growing out of the seasons. Our quartz mining interest is that upon which we most depend, and the increased influx of bullion, under the above unfavorable conditions, is one of the most gratifying industrial facts upon which a Californian can dwell. There can be no mistake with regard to its import.

With these facts in view, we can even look upon the present disastrous stock panic as a thing of trifling importance, purely speculative and ephemeral in character, and in no wise endangering the permanent prosperity of this Coast.

There is nothing particularly alarming in even the unprecedented depreciation in mining stocks which we have witnessed during the past few months. That some mines on which large sums have been expended have proved failures, and that others have been grossly mismanaged, is a matter to be seriously regretted; but these things establish nothing against the general value of mining investments, so long as the receipts of bullion continue to increase. No one, at all acquainted with mining on this coast, can for a moment doubt that we have opened many mines of great value — many which never have and probably never will be heard of in any of our stock boards; but which will continue for years to yield immense treasures to their fortunate proprietors. More such are constantly coming to the knowledge of those who are in the way of informing themselves in this particular.

As we have already said and repeated in previous numbers of the Press, the recent fluctuations and present depressions in mining stocks, will in the end work to our advantage rather than detriment, by putting a check upon reckless speculation, and teaching our citizens to confine their operations and investments to legitimate channels. They will from this experience learn to exercise the same degree of caution in buying mining stocks that they do in making investments in real estate. Let such precaution be the rule, and a death blow will be dealt to wild-cat schemes, and mining on the Pacific Coast will be found as reliable as any other business.

DEPARTMENT OF AGRICULTURE.

We received by the last steamer, sundry public documents, and among them the first annual report of Isaac Newton, Esq., Commissioner of Agriculture. It will be recollected that an act of Congress was passed in May, 1862, establishing a "Department of Agriculture," the object of which, according to the terms of the Act, is to "acquire and diffuse among the people of the United States useful information, on subjects connected with agriculture, in the most general and comprehensive sense of that word, and to procure, propagate and distribute among the people new and valuable seeds and plants." Mr. Newton was placed at the head of this Department, and the volume before us contains the first annual report therefrom. It forms a book of 632 pages, 120,000 copies of which have been printed by order of the House of Representatives for general distribution among the people for whose benefit the information it contains has been collected. We have as yet had but little time to examine the volume, but so far as we have done so, it appears to be filled with valuable and well digested matter of especial interest to all agriculturists, and of more of less general interest to every person who seeks to inform himself with regard to the miscellaneous and particular interests of the agricultural productions and developments of our common country. There is scarcely a single department of agriculture which is not treated upon more or less in detail, and no farmer or gardener can fail to derive from its perusal much that will be interesting as well as valuable. The introductory remarks form a well written and very interesting paper in which the magnitude of the interests intimately connected with or growing out of agriculture are briefly considered. Agriculture is justly pronounced "the most ancient, the most honorable, and the most indispensable of all the occupations of man. The Commissioner gives a rapid glance at the improvements which successive ages have wrought in this department of knowledge, and the progress made in our own country in latter years, as well as the especial operations of this new Department since its organization, some two years since.

The Department of Agriculture is intended to relieve the Patent Office of the labor heretofore assigned as a portion of its duty in collecting and reporting upon agricultural matter. In so doing the great interest of agriculture is assigned that special prominence which its importance most fully demands.

It is to be hoped that Congress, having taken a proper and important step in this direction, will, at an early day, follow up this move by another step, and place the great and growing Mining Interest of our country also in its appropriate position, as a separate bureau, with a competent gentleman at its head. Scarcely if any less good would grow out of such a move than we hope to see result from the new Department, of which the first annual report is now before us.

Farmers and others desiring copies of the Agricultural Report should write to any one of our members of Congress, whose duty, as well as pleasure, it will be to answer such requests by forwarding copies so desired to any address which may be specified. The large edition published will allow of their very general distribution.

THE CYPRESS WITH THE LAUREL.

Another anniversary of our country's birthday has come and passed, and here on the shores of the peaceful Pacific we have hailed its advent with an enthusiasm worthy of the time, the place, and the occasion. Along our spacious streets, flag-spangled with the glorious hues of our national emblem, marched a stately procession enlivened with the glitter of a thousand bayonets and the martial trappings of a mighty host of our military, dignified by the presence of the silver hairs of those who have grown old in the service of our noble State, and glorified, nay almost consecrated, by the host of children whose gladsome voices, as they marched, cheered a pean to our country, one and indivisible. The deep-voiced cannon boomed a thundering halelujah through the air, and when night unwillingly closed her sombre curtain over us, the very firmament was lurid with the glare of rockets and many colored lights. 'Tis well that it should be so. But let us not forget with it all, that every wreath of laurel that we throw with willing hands to our conquering heroes, who are even now marching on with irresistible tread toward the doomed city—the strong hold of treason—there is entwined the solemn sprig of cypress; and now that our wild shouts of exultation and songs of glad jubilee have died away on the evening breeze, let us turn aside to drop a silent tear and breathe an unheard prayer ove the graves of that phalanx of brave hearts and strong arms who, feeling that the

> "Proper place for man to die,
> Is where he dies for man,"

have laid down their lives in defense of Right, Liberty and Union; and with all our laurels let us not forget to twine the cypress.

IRON THE BASIS OF MODERN INDUSTRY.

Iron may be regarded as the basis of modern industry, and the multiform uses to which it is applied illustrates, with peculinr clearness, the progress of inventiou, and the relation of mechanical art to the improvement and enlightenment of civilized society. Smile, in his "Industrial Biography," says:

"The Roman colonists were the first makers of iron in Britain on a scale of any magnitude. They availed themselves of the mineral riches of the country wherever they went, exploring the mines and quarries, and carrying on the smelting and manufacture of metals in nearly all parts of the island. Their principal iron manufactures were in quarters most conveniently situated for transportation, especially in the southern counties, and on the borders of Wales. * * *

"The working in iron was carried on to a very considerable extent in the Middle Ages by the monks, some of whom were excellent craftsmen. Thus, the celebrated St. Dustan, an English monk, who by his severity of life and pretended miracles, gained unbounded influence in, and indeed governed, England during the reign of Edwy the Fair, about the year 955, was a skilled blacksmith and metallurgist. He is said even to have had a forge in his bedroom, where occurred his celebrated encounter with Satan. Another monk, called Anketil, who flourished in the twelfth century, was so famous for his skill as a worker in iron, silver, gold, jewelry, and gilding, that he was invited by the King of Denmark to be his goldsmith and banker. The abbotts of monasteries situated in the iron districts, among their other labors, devoted themselves to the manufacture of iron from the ore. They were well acquainted with the art of forging, and early turned to account the wealth of the mineral districts.

"In course of time, the smiths of particular districts began to distinguish themselves for their excellence in special branches of ironwork, and gradually became manufacturers. Thus the makers of swords, tools, hits, and nails congregated at Birmingham, and the makers of knives and arrow-heads at Sheffield. Chaucer speaks of the Miller of Trompington as provided with a Sheffield whittle. The common English arrow-heads manufactured at Sheffield were long celebrated for their excellent temper, as Sheffield iron and steel plates are now."

In the year 1750, the British Parliament passed an act prohibiting the erection of rolling and slitting mills in America, and the restrictions thus imposed upon the iron business of the Colonies effectually prevented the commencement of new enterprises, while those already established languished into insignificance, and were limited to the production of pig-iron and castings. Only a few furnaces continued to exist in the New England and the Atlantic States. A great portion of the pig-iron was exported to England, and manufactured articles of wrought iron or steel returned therefrom. In 1771, the Colonies shipped between 7,000 and 8,000 tons of pig-iron.

Various causes combined to check the spirit of the colonists for discovery or enterprise, more particularly the sudden cessation of friendly and commercial relations between the United States and Great Britain, on the outbreak of the war of 1776, when this country was thrown upon its own resources, and the events transpired around them absorbed all the time and energies of the people. They had made such little progress in the art of producing iron, that they were but illy prepared to meet the new and extraordinary demands now to be made on them; skill, experience, facilities, capital, all were alike wanting; and now that war was upon them, all unprepared as they were, but few foundries were found possessing the facilities or skill for casting cannon, or the temerity to venture upon the undertaking. The effects of this utter abnegation of the principles of self-dependence was now most keenly felt. The gradual progress which had for a period of over a century and a half uniformly characterized the development of the great mining enterprises was suddenly arrested, and the very life of the Colonies placed in jeopardy. The supplies of ore from Massachusetts and New Jersey afforded sufficient material for sustaining some ten or a dozen furnaces only, and Bridgewater, Mass., and Westville, Ct., supplied the army with cannon; at the former place, by Hon. Hugh Orr, who cast and bored his cannon; in the latter, by Mr. Elijah Bachus, who welded together bars of iron for the same purpose. On the whole, the time for the war of 1776 could not have been better selected, had they consulted the welfare of the Colonies. At the commencement of the crisis, the position of the colonial trade was not encouraging, by reason of the policy pursued by the mother country, while the prohibitory measures, restrictions, and levies were burdensome in the extreme. The War of Independence was carried on, with alternating fortunes, till the year 1781; when, in October of that year, Lord Cornwallis surrendered himself and his army to General Washington, and from that time all expectation of subduing the Americans was at an end.

The natural advantages possessed by Great Britain was a powerful incentive to her unexampled success, which, coupled with the new inventions, accumulation of capital, the development, in close juxtaposition, of iron ore and coal, and not far from the sea-coast, together with her politic legislation, so firmly established the iron interests in that country, that successful competition by any other nation was not possible, until, like her, it had developed its own mineral resources and wealth. Thus it is that, while the iron interests of Great Britain have expanded and prospered to the great detriment of other nations, and her annual production amounts to something like 4,000,000 tons, that of the United States amounts to scarcely 1,000,000 tons, notwithstanding the immense richness of the mines, the extent of its mineral productions being greater than all Europe, and the immense and increasing demands for home consumption, together with the fact that "the materials for making a ton of iron can be laid down in the United States at the furnace with less expenditure of human labor than any part of the known world, with the possible exception of Scotland." The census of 1860 returned 884,424 tons of pig-iron, valued at $19,487,799, showing an increase of 44.4 per cent. upon value returned in 1850. Of bar and other rolled iron, 406,298 tons, valued at $22,248,799, showing an increase of 39.5 per cent. over the aggregate products of the rolling-mills and forges for 1850. The following table shows the gradually increasing annual production of iron, entirely charcoal:

Year.	Tons.	Year.	Tons.
1810	54,000	1842	230,000
1820	20,000	1846	765,000
1828	130,000	1847-8	800,000
1829	142,000	1849	659,000
1830	165,000	1850	564,755
1831	191,000	1853	500,000
1832	200,000	1855	1,000,000
1840	315,000		

Later data show a greatly increased ratio, and the subsequent history of the iron trade, both at home and abroad, is one of unexampled prosperity and success. The production of so great a quantity of iron, especially bar iron, and the demand for large quantities from abroad, tell of the gigantic strides the country has taken in the improvements in the engineering arts, in mechanism and machinery, in the innumerable instruments of science and art, both for peace and war, for the field or factory, and in the manufacture of household wares of every conceivable variety. We have iron light houses, iron crystal palaces, iron churches, iron bridges, iron vessels of war. We now use iron roofs, iron bedsteads, iron ropes, iron fences, iron pavements, etc.

American Mining Magazine.

Gold Production.—M. Chevalier, whose treatise has been translated by Mr. Cobden, says that there was as much gold extracted from the mines of the world within the ten years which followed the year 1848, as during the 366 years preceding—that is to say, during the whole time that America has been known to Europeans. During the three and a half centuries which preceded the discovery of the California mines, the whole amount of gold brought to the markets of Christendom was $2,000,000,000, while the annual receipt is now about $205,000,000, from all sources of supply. Humboldt estimated that, at the commencement of the present century, all the countries from which Christendom drew its supplies of gold produced annually about $17,000,000, and M. Chevalier estimates that, of this amount, only about $12,000,000 found its way into Christendom. In sixty years the annual production has risen to more than $200,000,000, and the annual addition to the stock on hand in the Christian States, to nearly $19,000,000. If these estimates are correct, the amount of gold in the States of Europe and America was nearly doubled between the years 1848 and 1858—or allowing a few years for the development of the mines, it would be safe to say, that the quantity of gold now in the Christian world is twice as great as it was when the California mines were discovered in 1848.

There is considerable opposition in London to the further construction of underground or tunnel railways. Sir Joseph Paxton, the well known architect, says their extension would be an unbearable nuisance; the amount of steam which would escape would give the Londoners "the atmosphere of a washing tub"

ROASTING SILVER ORES.

The subjoined process of roasting silver ores as practiced at Joachimsthal Eislehern, Prussia, presents several peculiarities which will doubtless be found useful and interesting to all persons engaged in the process of extracting silver from its ores. The ores are delivered to the furnaces in a pulverized condition. It may be proper to premise that the ores treated at the above mentioned localities are remarkable for the great variety of their constituent minerals. More than a hundred different species of these ores have been described. Among them may be mentioned the various compounds of silver, with copper, lead, bismuth, uranium, iron, nickel and cobalt, with sulphur, arsenic, antimony, etc. The fuel used is brown stone coal, wood and charcoal.

THE PROCESS.

The usual long narrow hearth, broad-fire-bridge, and short fire-place, is here replaced by a hearth 9 feet 9 inches across, and 6 feet in the direction taken by the flame—that is, between the fire-bridge and the chimney. The fire-bridge, instead of being 2 feet broad, as is the case with many English furnaces, is but 6 inches; and the fire-place, instead of passing along but about one-third of the size of the furnace, is four-fifths as long as the hearth. The advantages secured by these proportions are obvious to one observing the action of the apparatus. The broad and short hearth makes possible an equal and high heat over its whole surface; the long fire-place allows no portion of the charge to remain in remote corners, beyond the reach of the intense fire, forming what is called "*dead space*," and the narrow fire-bridge absorbs less heat, and allows the flames to have a more direct effect upon the contents of the hearth, than where a broad mass of brick-work intervenes between the grate and the roasting ore.

The fire-bridge is a tube of cast iron, protected by a heavy coating of clay, and having 8 or 10 small openings on the side toward the hearth. A boiler attached to the furnace, but heated with a separate fire, produces steam, with a pressure of about 4 lbs. to the square inch, and this can be conducted, when desired, through the tubular fire-bridge, and allowed to stream out of the apertures upon the roasting ore.

The crushed ore is placed in charges of 4 cwt. upon the hearth of the above described furnace, and treated with a light fire of wood and stone coal. As a portion of the sulphur and other volatile substances that render the mass fusible, are driven off a stronger fire is made and continued until the charge is drawn. Vapor is not admitted at first, but when the ore has reached a red heat, the pipe communicating with the boiler is opened, and as much steam allowed to pass over the heated surface as is possible, without decreasing its temperature below that necessary for the proper chemical changes to go forward. This the workman readily perceives by the color of the ore upon the hearth.

In four hours the first process is complete, and the ore which has not been allowed to rise to a sufficiently high temperature to clot, is drawn, permitted to cool, mixed with about 6 per cent. of common salt, and carried to a mill, where it is ground to a fine powder. It is brought now, a second time, to the furnace, to undergo what is known as the "*good roasting.*"

Three hundred weight are treated at once, in this case, the powder being first intimately mixed with 6 to 12 per cent. of common salt, the amount depending on the composition of the ore, and with 2 to 3 per cent. of iron vitriol. This mixture is placed upon the hearth. In about an hour after being brought under the influence of the fire, a red heat is reached, then vapor is let on as before, and stirring commences. The fire is gradually made stronger, and the ore is moved back and forth with the rake of the workman, for a period varying from 6 to 16 hours, depending upon the nature of the ore, when it is taken from the furnace, and passed through a sieve.

The object of adding the salt is to form a chloride with the silver; and the vitriol furnishes a means of decomposing the salt when a sufficient quantity of sulphates are not otherwise present, and the steam makes the combination of the chlorine and the silver more certain, and by condensing the vapors in the chimney and in chambers arranged for the purpose, thus catching the finely divided and chemically combined silver before it can reach the open air, produces a saving of 10 per cent. of the precious metal, thus in fact making practicable this method of treating rich silver ores.

The Largest Vineyard in the world is in California. It is in Sonoma county, and covers an area of four hundred acres, and is owned and managed by the "Buena Vista Vinicultural Society."

Ductility of Gold.

Gold leaf is usually employed to illustrate the extreme ductility of gold; but the film of gold on the surface of gold lace is not more than one-tenth the thickness of ordinary gold leaf. The making of the wire which constitutes the covering of the silken thread out of which gold lace is made is a most curious and wonderful piece of mechanism. The process of its manufacture is as follows:—

In the first place, the refiner prepares a solid rod of silver about an inch in thickness; he heats this rod, applies on the surface of a sheet of gold leaf, burnishes this down, and so on, until the gold is about one-hundreth part the thickness of the silver. Then the rod is subjected to a train of processes which brings it down to the state of a fine wire; it is passed through holes in a steel plate, lessening step by step the diameter. The gold never deserts the silver, but adheres closely to it, and shares its mutations; it is one-hundreth part the thickness of the silver at the beginning, and it maintains the same ratio to the end.

As to the thickness to which the gold-coated rod of silver can be brought, the limit depends on the delicacy of human skill; but the most remarkable example ever known was brought forward by Dr. Wollaston. This was an example of solid gold wire without any silver. He procured a small rod of silver, bored a hole through it from end to end, and inserted in this hole the smallest gold he could produce; he subjected this silver to the usual wire-drawing process, until he had brought it to the finest attainable state—being, in fact, a silver wire as fine as a hair, with a gold wire in its center. To isolate this gold wire he subjected it to warm nitrous acid, by which the silver was dissolved, leaving a gold wire one-thirty-thousandth of an inch in thickness—perhaps the thinest round wire that the hand of man has yet produced. But the wire, though beyond all comparison finer than any employed in manufactures, does not approach in thinness the film of gold on the surface of silver in gold lace, which is not above one-tenth the thickness of ordinary gold leaf.

Unrecorded Exports.—The Washoe *Herald* says that the published reports of shipments of treasure from Washoe gives a false account of the actual treasure exports from that region. It claims that not more than two-thirds of the amount which actually goes forward is reported. As a proof of this that paper states that the average shipments per week from Silver City, for months past, has exceeded $7,000, which never appears on the way-bill of the express companies from there, and consequently is never mentioned in the papers. The very large quantity shipped from Empire City is also never mentioned in the papers, nor that shipped from Gold Hill. Were all these quantities added to the list from there, it would be seen that the mines are yielding fully 100-per cent. more than they did this time last year.

Jewish Sepulchres.—The Sultan has offered to sell the vaults where the eminent Jews of antiquity are interred, for a large sum of money, to those who have complained that the graves of the good old pious teachers were desecrated by adventurers, travellers, and scientific men from abroad. Negotiations are now going on, and it is believed the Jews will pay the exorbitant price to preserve the graves and sepulchres of their ancestors free from the touch of the hands of foreigners who look upon sacred relics as curiosities.

The Utah Mines.—The *Vidette* says that an assay of rock taken from five of the prominent ledges in Rush Valley, U. T., was lately made by Professor Eaton, of New York city, (now at Bannock). The ledges thus tested were the Quandry, Potomac, Constitution, Union and Eureka, and the average of the assays resulted in $195 in silver, and $39 34 in gold per ton. The specimens were taken from the ledges by the Professor himself, who is recognized as an eminently skillful and reliable assayer.

The Copper Mines of the United States are numerous along a line extending from the northern boundary of the State of Vermont to the St. Lawrence below Quebec. The breadth of the belt of land varies from fifteen to twenty-five miles, and it contains copper pyrites, sulphurets and carbonates of copper in strata of argillaceous schist—the same kind of rock which contains the auriferous veins of North Carolina and Canada. The northwestern coast of Nova Scotia also affords auriferous quartz.

Ohio and California are the great wine producing States, so far. In 1860, Ohio produced 562,640 gallons, and California 464,516. At the present time the latter State must be far in advance, as her greatest progress in this line has been within the past three years. Ohio has been long engaged in the business, and has progressed but slowly.

COPPER SMELTING IN CALIFORNIA.

It is a matter of much regret that the pioneer establishment for smelting copper on the Pacific coast should be shut up for an apparently indefinite period of time. We have understood that these works, located at Antioch, at the junction of the Sacramento and the San Joaquin rivers, are idle, in consequence of some disagreement among the Trustees. If such is the fact we should suppose that their own interests, to say nothing of those of the public, would be best promoted by a speedy settlement of any differences which may exist.

In the meantime it is a matter of no little gratification to state that numerous other establishments, are in process of erection, or already completed, in this city, and other portions of the State more closely connected with the mines, where the reduction of copper ores to a regulus of from 50 to 75 per cent, or even finer, will be attempted. We shall make especial attempts to secure early and full reports of the results of their various efforts to introduce the smelting of copper ore into this State.

Connected with this subject there is much of interesting and useful enquiry, which is of importance to the growing development of the copper mining interest of this State. We have been long seeking improvements in milling machinery, as connected with gold and silver quartz mining, and with much success. It is generally conceded that American mechanics and miners have done much, very much, in improvements in this direction. Our improved machinery is already beginning to attract considerable attention in other countries, where mining operations have undergone but little change, save in the introduction of steam and gunpowder, for centuries. In this we have done, and are still doing, good service for the present and future generations.

In view of the progress which we have made in this direction, who can say that the process of stamping and washing copper mineral has reached its *ultimatum* of perfection? Already we hear that extensive experiments are being made in this line, the results of which, so soon as they are reduced to a reliable shape, we shall hasten to lay before our readers.

Again, we have much to learn, both from experience here, and from inference from the practice of other countries, with regard to smelting. How low a percentage of ore is it economical to submit to the furnace, or in other words, to what degree of concentration shall we submit our ores? This is a question which appears, as yet, quite in the dark, even in old copper mining regions. Much, however, in settling this question, depends upon surrounding circumstances—the facilities of water and crushing power, cost of fuel, transportation, etc. The theory that vein matter containing a low per centage of metalliferous matter, cannot be profitably reduced by fire, instead of by crushing and concentrating, seems to be losing ground in many places abroad, as well as in this State. Practical men are still much divided upon the matter. There are said to be copper mines in Europe, which have long been placed upon the dividend-paying list, where the plan of reducing the poorer ores by heat is necessarily employed, owing in some instances to the character of the ore, and in others to the impossibility of obtaining the desired quantity of water for washing. Many of these mines produce as low a percentage of ores as those which are entirely discarded in this State as worthless. Besides containing less copper, the ores thus treated generally contain more foreign mineral substances than are found in California veins, and hence require a greater nicety of treatment, and a more complex process of refining. Why cannot the poorer ores of California be generally subjected to a fire process rather than a working process, for concentration? This question can be answered in some form, at an early day. Nearly every mining locality in California has all the necessary materials at hand for the construction of cheap furnaces for reducing the ores of copper to a regulus of a greater or less degree of fineness, and we earnestly desire that those who are already engaged in such experiments, or who may hereafter embark therein, will report to us, at an early day, the result of their operations, be they successful or otherwise. Any information of this kind, which it may be desirable to communicate confidentially, shall be kept as such, and made public only by permission of parties so communicating, or as the experiments in progress may from time to time suggest.

Brain Work and Longevity.

Philosophers ought to have length of days for their portion, seeing how their pursuits ought to elevate them above the disturbances of life. And such is, in fact, the operation of their mode of life, by which their faculties are furnished with constant entertainment on subjects which would seem to lie outside the range of uneasy passions, while creating or exciting the noblest moral emotion. And an unusual amount of longevity is, in fact, found among philosophers—whether mathematicians, naturalists, or speculative students. Such things have been heard of as strife in those serene fields of thought; such things have been seen as faces furrowed with fretfulness, or working with passion: but the old age of many philosophers is, at this moment, an honor to their vocation. Peter Barlow was; when he lately died at eighty-two, the same Peter Barlow that he had been to two generations of friends and disciples. Sir David Brewster is still active and occupied at the same age. The late Mr. Tooke did not puzzle his brain about the currency too much to be still up to the subject at eighty-six. Sir Roderick Murchison is past seventy, and so is Sir J. Herschel. Literature ought to have the same operation as science; but it seems to have more room for agitations and anxieties, except in the case of authors who live in and with their words, exempt from self-regard. Jacob Grimm was a very perfect example of the philosophic serenity which a literary career can yield: and he lived to seventy-eight. There is something remarkable in the longevity of literary women in modern times, even if we look not beyond our own country. Mrs. Piozzi and Mrs. Delany perhaps scarcely enter within the conditions; and the still lamented Jane Austen was under an early doom from consumption; but Miss Edgeworth was above eighty when she died; Joanna and Agnes Baillie were older still; and Mrs. Trollope died the other day at eighty-four. The artists who have departed lately have been old. Biot was eighty-seven, and Vernet seventy-four. Our Mulready was seventy-seven, and Cockerell, the architect, was seventy-three.—*Once a Week.*

"There's a Man in it!"—The confidence reposed in Lieut. Gen. Grant by President Lincoln, and the cordiality which exists between these distinguished men, were happily illustrated by a characteristic anecdote related recently by the President in the course of a familiar conversation with a personal friend. In reply to a question in regard to the present military prospect, Mr. Lincoln, with that peculiar air which he always puts on when about to tell a good story, said:—"Well, sir, your question reminds me of an anecdote about the automaton chess player, which many years ago astonished the world by its skill in that game. After awhile the automaton was challenged by a celebrated player, who to his great chagrin, was beaten twice by the machine. At the end of the second game, the player, significantly pointing his finger at the automaton, exclaimed in a very decided tone, '*There's a man in it.*' And this, sir, is just the secret of our present success."

Circulation of the Blood.—The all-wise Creator has so arranged the venous blood, by imparting to it a peculiar power which chemists call an affinity for oxygen, that when fresh portions of venous blood arrive at the lungs, and come into contact with the atmosphere, the air is immediately decomposed; the oxygen remains in the blood. And should the process of the absorption of oxygen by the blood be arrested but for a few minutes, life would become extinct; hence the importance of looking around us, and seeing that nothing enters the circulation with the blood, whose chemical action is in the least degree antagonistic to those chemical affinities which the Divine hand has impressed on the vital fluid.

The Strongest Bank in the World.—The Bank of Genoa, which has been in existence hundreds of years, has, perhaps, proved itself the strongest institution of the kind in the world. It is a remarkable fact in its history, that its administration has always been as permanent and unchangeable as that of the republic has been agitated and fluctuating. No alteration ever took place in the mode of governing and regulating the affairs of the bank, and two sovereigns and independent powers, at war with each other, have been within the walls of the city, without producing the slightest shock to the bank, or causing it to secrete any of its books or treasures.

COPPER SMELTING AT DETROIT.

Probably the most extensive and profitable Copper Smelting establishment in the United States, is that known as the "Waterbury and Detroit Copper Smelting Company," located about two miles below the city of Detroit, in the state of Michigan. It is a private company, and the details of its business have never been made public. Common report, however, states that the profits of the establishment are very large; at all events the works have been continued with great diligence for some twelve years, and the metal turned out at this establishment, it is said, readily brings $20 per ton more than that from any other establishment in the country. The amount of copper produced there has averaged, for several years, about 4,000 tons. One year it reached 5,000. The last year's work, however, did not exceed 3,500 tons, on account of the scarcity of labor at the mines for producing the ore; the greatly enhanced price of the article, however, brought the aggregate value of the yield of this establishment quite up to that of any previous year, viz: a little over $2,000,000—the average price being nearly $620 per ton. There are four smelting establishments in the country employed chiefly in smelting ores from the Lake Superior mines; one at Cleveland, Ohio, one at Pittsburg, Pa., one directly in the mining district, and the fourth in Detroit. The Detroit Commercial *Advertiser*, from which we condense the above facts, gives the following description of the works at Detroit:—

The buildings embrace four refining furnaces, and two cupola blast furnaces, and they stand at a convenient distance from the river, with a substantial dock in front for the purpose of receiving the ore and shipping the metal in its manufactured form. The ore is brought down in vessels from the several mines, and after being smelted, the copper is shipped to New York, Philadelphia, and Boston, where, from its superior quality, it commands a higher price by one cent per pound than any other copper in market. The ore differs in purity, yielding from seventy to eighty per cent of pure copper. The mineral, as it is received at the works, is first placed in refining furnaces, and being subjected to a sufficient heat, the pure copper, in its molten state, tends to the bottom of the furnace, whilst the rocky substances, having a less specific gravity, rise on the top, when by suitable implements, they are removed. This excrescence is called "slag" and is afterwards intermixed with lime rock and submitted to the intenser heat of the blast furnace, when considerable copper is further extracted from it, which is run into large sand moulds in iron frames, which when filled, are suffered to cool, and the contents is emptied in large masses, weighing probably four hundred to six hundred pounds, and recouveyed to the refining furnaces, where it is mixed in with fresh ore. When sufficiently heated, the whole contents undergo the process of separating the iron and sulphur, by a simple process, and being carbonated by burning green wood in it, a process which requires great experience and skill, it is ready to be turned out into moulds. It is cast in the shape of ingots and bars, the former weighing about 16 lbs., and the latter 100 or 150 lbs. The ingots are packed in large and substantial barrels and sent off to the Eastern markets. The bars are nearly a yard long, and about three inches square, somewhat tapering at one end, and are designed chiefly for wire, an immense amount of which is manufactured annually in this country.

Water Meters in Philadelphia.—All large consumers of water in Philadelphia, are to be charged hereafter by the gallon. Mr. Birkinbine, the Chief Engineer, has issued a circular announcing that water meters will be introduced at the expense of the consumers, and bills collected quarterly at the following rates: From one thousand to ten thousand gallons per day, two cents per hundred gallons. From ten thousand to twenty thousand gallons per day, one and a half cents per one hundred gallons. From twenty thousand gallons per day and upward, one cent per hundred gallons.

Not Only in London.—It is said there is scarcely a newspaper in London in which three or four fortunes have not been sunk, and by which as many persons have been ruined. Money goes very fast in a newspaper, for the drain is a steady one, week by week, without pause—a process that will soon empty the wealthiest pocket. What is true in London, we suspect is true the world over.

The Humboldt *Register* says that many strangers are arriving in the Humboldt mining districts.

Beecher's Visit to a King.

Henry Ward Beecher, in a late number of the N. Y. *Independent*, relates, in the following characteristic manner, the particulars of a "visit" which he made to the King of Belgium:—

When I was in Ghent, at the request of the American Minister, I consented, in the hope of doing some good to our country, to call on the King of Belgium. It would not do to go without some preparation. As to borrowing a Court suit, I would not; but I did consent to get a white vest; and I did consent to get some white gloves; and I did consent to get a stiff hat. When I had got myself arranged for going to Court, in a manner unlike that to which I had been accustomed, I procured a splendid carriage and started. As I rode through the streets, all the boys looked at me, and I felt very much like a fool going to court. And as I came to the king's residence, I thought that the soldiers knew that I was dressed up for the first time in my life in such things—which was the fact. I did not know what to say to the servitors at the foot of the stairs, or to the servitors at the top of the stairs; but I made my way along somehow, and they conducted me through the hall and whisked me at once before the king. He is a venerable personage. He speaks the English language beautifully. He is the mentor, he is the adviser of European monarchs. If you were to see him dressed in ordinary clothes, you would think him a plain American citizen. But he was dressed from the crown of his head to the sole of his feet, in all sorts of beautiful things and ornaments. He walked toward me in a very stately manner, with his sword rattling on the floor by his side, and I walked toward him in the best way I could. He bowed, and I bowed. We walked together, and I called him "Sir" all through, and said a good many things that I should not have said. I could not get it out of my head that I was not afraid of the King, and that I was afraid of doing something disreputable. I wanted to observe court forms, but the very desire to do so rendered the thing impossible. I saw that he knew it, for he smiled benignantly, and seemed to have a fatherly consideration for me. Finally, in leaving the room, I ought to have backed out. I did go backward for one or two steps, but then I turned and whisked through the door face foremost.

Man's only Power over Nature.

The one operation of putting things into fit places for being acted upon by their own internal forces, and by those residing in other natural objects, is all that man does, or can do, with matter. He only moves one thing to or from another. He moves a seed into the ground; and the natural forces of vegetation produce in succession a root, a stem, leaves, flowers, and fruit. He moves an axe through a tree, and it falls by the natural force of gravitation; he moves a saw through it, in a particular manner, and the physical properties by which a softer substance gives away before a harder, makes it separate into planks, which he arranges into certain positions, with nails driven through them, or adhesive matter between them, and produces a table, or a house. He moves a spark to fuel, and it ignites, and by the force generated in combustion, it cooks the food, melts or softens the iron, converts into beer or sugar the malt or cane-juice, which he has previously moved to the spot. He has no other means of acting on matter than by moving it; motion, and resistance to motion, are the only things which his muscles are constructed for. By muscular contraction he can create a pressure on an outward object, which, if sufficiently powerful, will set it in motion, or if it be already moving, will check, or modify, or altogether arrest its motion, if he can do no more. But this is not enough to have given all the command which mankind have acquired over natural forces immeasurably more powerful than themselves; a command which, great as it is already, is without doubt destined to become indefinitely greater. He exerts his power either by availing himself of natural forces, in existence, or by arranging objects in those mixtures and combinations by which natural forces are generated; as when by putting a lighted match to fuel, and water into a boiler over it, he generates the expansive force of steam, a power which has been made so largely available for the attainment of human purposes.

Depth of the Sea.—Capt. Sir John Ross made some enormous soundings at sea, one of which, 900 miles west of St. Helena, extended to the depth of 5,000 fathoms, or 30,000 feet, or nearly 5¾ miles; the weight employed amounting to 450 pounds. Another, made 300 miles west of the Cape of Good Hope, occupied 49½ minutes, in which time 2,226 fathoms were sounded. Capt. Denham sounded in the South Atlantic, 7,706 fathoms, or nearly 7.7 geographical miles.

Letter from Austin.

Editors Press:—In a letter headed "Reese River Mining Disputes," written hy R. Y. Anderson, under date of June 4th, 1864, I find, among other matters spoken of, an alleged deseription of the manner of forming the so called Bunker Hill District, etc. There is hnt little in that part of the communication which I have snfficient interest in to correct. I believe the party nssailed as "jumpers," are able to contradict, if not the whole, at least the greater part of Mr. Anderson's statement. But so far as concerns myself and the company with whom I am connected, and in which my name appears so conspicuously, I beg leave to offer the following facts, for which I can produce proof that cannot be disputed: At the time the Gold Point ledge was located, it was not recorded under protest. Mr. Anderson, furthermore, was not at that time in Summit, nor did he ever record the same in Bunker Hill, Summit or any other district. Furthermore, he told me in the presence of some of the most respectable men in Austin, that he was entirely ignorant of Dr. Goodfellow's ever claiming the Gold Point, as the Iroquois, and that he, Anderson, never wrote to or knew the party; that he published a etatement in the *Alta California*, bearing date March 29th, 1864, about the Gold Point, to which I replied, April 20th, contradicting the same. I was then in hopes that Goodfellow & Co. would improve their time in finding claims instead of locating holders, etc. * * * * The Gold Point Gold and Silver Mining Company was recorded in Summit district, by Fonly, and is not in litigation either with Goodfellow & Co., or with any other party. * * * Mr. Anderson furthermore says that the Gold Point Company (Herrin & Co.) jnmped a part of Pleasant Valley Ranch. If to locate 45½ acres of land out of 6000 acres claimed hy Goodfellow & Co., to select the location for five mill sents, and improve the same by building and fencing, and offering the same to any party or parties who will put up a 21 stamp mill, could be called a disadvantage to that country, I would like to know it. The Gold Point Company is ready and willing to guarantee, free of charge, one or more mill sites, on Bunker Hill Creek, running through the town of Bunker Hill, which contains a plenty of water for one or a dozen steam mills. We will also put onrselves under obligations to furnisb tbem, out of the Gold Point and Pbœnician, rock that will supply twenty mills, and pay $75 per ton for crushing tbe same. I could also name a dozen other ledges, in this vicinity that would do the same—such as the Brown, Real del Monte, Jackson, Morning Star, Victoria, Reindeer, Warren, and Green Mountain Boy.

We believe it much more profitable and honorable to open one good ledge, than to adopt the policy of Goodfellow & Co., to run over the country and locate wild cat, have it incorporated in San Francisco, reserve the proceeds and have the bonest miner cbeated out of his wagee. The miners in and nround Bunker Hill and Summit know this to be a fact, and they despise ths course that Goodfellow, Anderson and Co. are taking, as all good men should do. This shows who the party is that has retarded the interest of the Big Smoky country. And tbis is tbe only reason why I notics Anderson's communication, and not for the purpose of bringing wild cat stock, like tbe Iroquois into market, by placing it in competition with one of the No. 1 ledges of this noted district. I trust your sense of justice will induce yon to give au insertion to this correction in your most valuable paper.

Yonrs, J. C. Herrin.

Austin, Jnne 29, 1864.

The Camanche.—There is at last a fair prospect that the Camanche will bs speedily put np. Mayor Coon, of this city bas received tbe following dispatcb, dated Washington July 6th:

The Navy Department will proceed to put up the *Camanche* very soon. They are anxious that no further complication shall be added by the city ndvancing. Jno. Conness.

Wall Street Gamblers.

A New York correspondent says:—The wild gamblings in stocks and gold have tbrown to tbe surface a new set of men. Formerly the Board of Brokers and men who dealt in stocks were men of character and fortune. The entrance fee to the Board guaranteed respectability. But now harriers are of no service. De-perate and reckless men have taken to the street. Any man who can raise from fifty to a hundred dollars sets up stoek gambling on his own account. These men know no bounds and no rules. They are on the ground early and late. Tbey fill up Williams street so that it is impassable for teams They yell and scream like madmen, and can he heard for blocks. Men unacquainted witb them would imagine from their outeries that a pestilence had broken out or that the enemy had landed at the Battery. A new Board made up of this class have opened a room on Brond street, near the Custom House. It is open day and night. The fortunes that are lost in and arouud Wall street every week are marvelous. No romance can equal the reality of reverse of fortune which daily transpires. No gamblers are more reckless, desperate, or suddenly destroyed. Many a man leaves his palatial residence in the morning a fancied millionare, and he goes bome at night a ruined man. His elegant equipage, in which his bejeweled wife, and proud daughters whirled the dust of the Park the day before in the eyes of well to-do citizens plodding their way on foot, is sold—the resideuce abandoned—the man sccdy and forlorn, appears in tbe outskirts of the crowd of Jews and brokers, and the family go into "the country to spend tbe summer with their friends." They are seen no more in ths fasbionable world.

Tbe fact is, gamhling is gamhling, call it by whatever name you will. Fortunes are made now, as they ever have heen made, in the good old-fashioned way. Permanent success waits on diligence, patience and integrity. Our reckless style of living, extravagance and dissipation follows the wild spcculations that mark thc trade of New York to day. It affects all classes—women, men, merchants, ministers huy and sell stocks. I have the names of over a dozen clergymen who, respcctahle brokers tell me, have "a liue of stocks." I know one of the number. He is a good specimen of the power of this gambling mania. Tbe demon has got possession of him. He is as iguorant of it as the lunatic is of tbe spirit that dictates his fantastic array. He has mnde a little money. He started to make five thousaud. He has moved his figure ahead to the little sum of a quarter of a million. He is a transformed man. His face is haggard—eyes dilated—hair disheveled—he does not sleep nights—huys all the editions of the papers—rises nigbts to huy extras—chases the hoys round the corncrs for the latest news—is early at the stock market, and is amoug the last that leave the Fifth Avenue Hotel at night when the Board closes its late session. Whether a quarter of a million is worth what it costs, this gentleman can tell wben he gets it. But he is only a a specimen.

Briton's Furnace for Roasting Ores.—At the monthly meeting of the Franklin Institute, held Thursday evening, May 19, Mr. J. B. Briton's furnace for roasting orcs was exhihited. In this furnace the ors is contained in a central chamher, across whicb the products of comhustion from the fire-place are caused to pass regularly in one direction. By a discharging device, the rate of descent of the ore through the chamher can he regulated at pleasure, so that each particle of ore can he submitted to tbe action of the fire for any lengtb of time desired. By carrying the draft *across* the chamher the sulphurons and other deleterious vapors are taken direct to the cbimney, and are not brought in contact with the ore, which remains to he roasted as in ordinary kilns.

A Modern Instance.—The *United Service Magazine* remarks: "The constant reader of Shakspeare finds occasionally some capital advice which the great dramatist did not design for these times, except that he 'spoke for all time.' Tbus, when King Richard says to Stanley:

> Look to your wife; if she convey
> Letters to Richmond, you shall answer for it;

he puts a word in the mouth of authority at this day.

Heavy Transaction.—A million dollar mortgage was recorded in the office of the Recorder for this county, says the San Jose Mercury, on tbe Almadcn Quicksilver Mine, on Tuesday, June 28th, in favor of George G. Hobson nnd Wm. T. Duncan of New York, hearing interest at seven per cent. per annum. One tbousand mortgage bonds of a thousand dollars each have been issued by the company for the purpose of paying off hack debts and enlarging their sphere of operations. The company are now taking out very rich cinnabar and the quantity and quality of quicksilver produced wns never before greater or better,

California Manufactured Tobacco.—Since the farmers of San Joaquin and Calaveras counties have taken to the culture of tobacco, the manufacture of that weed into a suitable article for chewiug and smokiug has become nn important featnre in the industrial interests of Stoekton. The *Independent* snys that nn article manufactured by Hcuston and Henneford, is fast coming into notoriety in thc market, and is eagerly sought after hy smokers. Consumers who have used the article speak of it in high terms, and adds:—We helieve that thc greatest drawhack to the general use of California tobacco, beretofore, has heen owing to the inexperience and want of skill on the part of manufacturers, rather than to any inferiority of the leaf. The manufacture thus far with ns has been, in a great measure, merely an experiment hy inexperienced men: hut when men take hold of the matter who prove their capahility by producing a quality that finds its way into general use, new encouragement will he given to thc cultivator, and tbe business will receive greater atteution.

Whirlwinds.—The local of the Virginia *Enterprise* describes the collision of two whirl winds, of which he was a witness, in the summer of 1860. He says: When we first noticed them the two colnmns of dust and light matter that marked the position of the pair of whirlwinds wers ahout half n mile apart; they were about two bundred feet in hight and were moving slowly toward each other, along a ravine. As the distance hetween thc two columns decrcased, their motion toward each other hecame more rapid, and finally when they were only about one hundred yards apart they rushed together with lightning-like rapidity and disappeared, with a report that sounded like the explosion of a hlast.

The Siamese Twins.—A correspondent of the Macon *Telegraph*, who lately visited the Siamese twins, gives the following account of them:

Your readers hnve no douht seen these remaikahle individuals, but few of them perhaps have been to their houses and seen them in their domestic relations. Though united by a ligament as strong as life itself they live a mile npart, spending alternately three days nt the one and ths other house, and allowing no circumstance to defer tbeir departure from the one to the other when the regular time arrives. The one at whose house you visit them leads the conversation and acts master of ceremonies, while the other speaks only as occasion or politeness may require. One has eight aud thc other has nine children, hut one of whom is in the war, the rest heing girls and little boys. Ths twins are good neighbors, intelligent men, and thoroughly patriotic. They are, to all appearances, two separate and different men, with very little social resemhlance, and a marked contrast of character. Eng is much the most positive, self-willed and nncompromising. They are seldom hoth sick at the same time. Why should death result from a separation of persons so unlike and so little subject to he afflicted hy each other's infirmities?

Arab Horses.—The much-vexed point as to the merits of English and Arah horses has recently been tried again at Cairo. Ali-Pacha, who has the finest stud of Arabs in Egypt, maintained that no English horse could run against nn Arah four miles. His Highness Halim Pacba offered to run Companion, a well known racer bere against him for any sum he liked. The match was run from the first station on the Suez desert to Cairo. The English horse, which was bred by Lord Ribbtesdale, won in a canter hy more than balf a mile. Sucb a crushing dcfeat has taken all conrage out of the partisans of Arab horses. What astonished the natives most was, that Companion, beating his adversary by so great a distance, was perfectly fresb, and quite ready to turn aronnd and run the distance over again, while the Arah was quite exhausted and blown.

Bullion from Reese River.—A pretty steady and important stream of hullion has commenced rolling Californiaward from Reese River. The *Reveille* states that Wells, Fargo & Co. bave shipped from there during the six months ending Juue 30, $135,557 35. For the quarter ending March 31st, there was sent forward $43,550 92, and for the quarter ending June 30, $92,006 61, showing an increase of $48,455 69 over first quarter.

Prof. Silliman is now ahsent, on a tour of observation to the mines of Arizona. He will return to this city in about six weeks.

GUN COTTON VS. GUN POWDER.

Gun Cotton is just now attracting much atteution in England. Whcn this substance was introduced into the German armies some years ago it excited great interest in military circles, hut the feeling soon ahated when it hecame known that its rapid comhustion rendered it almost as dangerous to those who used it as to those against whom it was used. Some time ago, however, Gen. Leuz made improvements in the manufacture which ohviated the objections referred to, and thc British Governmeut madc an application at Vienna for the attendance of the General before a War Office committee to explain the process. Ths Austrian Government gave the required permission and there is now a manufactory of the improved gun-cotton in operation at Stowmarket. The improvement of General Leuz consists in spinning the cotton into yarn before subjecting it to the process hy which it is converted into an explosive subsiance. By this simple change the rapidity of comhustion, which constituted such a drawhack to its value when first discovered, is prevented, and gun-cotton, as now prepared, is even more manageahle than gunpowder.

Scott Russell, the huilder of ths famous Great Eastern, has recently delivered a public lecture upon its preparation and use, at which he demonstrated by experiments that it is perfectly manageable and far superior to gunpowder for practical use in war, mining, etc. The advantages of this substance as compared with gunpowder, are greater explosive force, less heat and smoke, greater facility of transport, non-linhility to deterioration from wet, and the practicahility of manufacture in water. It may, as shown by Mr. Russell, he submerged in water, aud is ready for use as soon as dry, or even while damp. If required to be transported through fire, it has only to be wetted, and hecomes harmless. The almost entire absence from smoke is a great advantage, botb for military and civil purposes. It facilitates rapid firing in case-mated forts aud hetween the decks of ships, nnd in mining and engineering works it cnahles the work to proceed more expeditiously, and with less injury to the health of the workers. The non-fouling of the guns and rifles, and the little heat generated hy firing, are other great advantages, in a military point of view, which gun-cotton possesses over gunpowder.

If thc above facts are truly stated, and there appears to be no reason to doubt them, some of our enterprising capitalists will do well to enter upon its manufacture for the supply of this State. Tbe almost entire absence of smoke, and we presume the small liheration of deleterious gases, must give it a large advantage over gunpowder for use in under ground mining, where much time is lost after every dischargs, in freeing the locality from smoke and gas.

Is the use of chloroform, in surgical operations, a modern invention? It would appear that something possessed of the same properties was used as early as the 17tb century. In Midleton's tragedy of "Woman beware Woman," puhlished in 1575, there is the following passage:

> "I'll imitate the pities of old surgeons
> To this last limb, who, ere they show their art,
> *Cast one asleep*—then cut the diseased part."

The Mines of El Dorado County.—The Placerville *News* has the following good worde for ths El Dorado county mines:

"We note the fact with plcasure that a large number of the mines in our vicinity are heing developed with an energy that is not to he found anywhere hut in our own California. One year ago there were hut two or three mills in the entire county that were nsed for ths purpose of crushing tbe gold-bearing rock which is now known to exist in immense quantities in all thc surronnding hills. To-day we can count twenty steam quartz mills in this county that are in operation or heing constructed. And in no instance, witb proper working, have they failed to reward their owners richly."

English and American Taxation.—In England, house tenants paying a rent of $100, pay a rent tax of $2 50. Male servants pay a servant tax of $5 50. Carriages with four wheels pay $17 50; horses for same $2 62. Dogs, $3 00. Ladies pay $6 per year for the privilege of powdering their hair. All persons receiving an income of $750, pay $27 tax. In tbis country the same income is taxed but $4 50. English auctiouecrs pay $50 per annum; American $20, and a much lower income tax than in England. In England pawnbrokers pay $75; here $50; peddlers $10; here $5. Race horses pay a tax of $17 in England, here, nothing. Attorneys pay a license of $45; Federal licensc, $10; and so on to the end of the chapter.

Englisb people, though taxed three times ns much as Americans, seem to prosper very well, as n general thing.—*Bee.*

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T. DAY FOR AUC'N—SALE.

Arizona, Cons., Eureka, 20c.....July 30—Aug 13*
Amador Cons., Lander co., $1.....Adv July 27—Sale Aug 8*
Applewall, Reese River, 50c.....Adv July 15—Sale Aug 3*
Augusta, Augusta, 12½ cents.... Adv. May 21—Sale July 25*
Augusta, Calaveras county, $1...Adv. June 24—Sale July 13
Alameda Coal, Alameda co., $1...Adv. June 25—Sale July 9
Appollo, Silver Mountain.....Sale July 15
Arbitros, Ratopolis, Mex., $2.....Adv. July 11—Sale July 23
Alhambra Hill, Summit, $1.....Adv July 16—Sale July 30
Agawam, Nye County, $1.....Adv July 23—Sale August 10
Alemania, San Antonio, $2.50.....Adv July 21—Sale Aug 2
Armagoza, San Bernardino co., $4..Adv July 18—Sale Aug 6
Alban.....Annual Meeting July 27
Alpine, Amador Dist. 25c.....Aug 1—Aug 15

Beaver, Gold Hill, $1.....Adv July 23—Sale Aug 8*
Bodie Cons., Mono co., 50c.....Adv July 13—Sale July 30*
Bay State, Tuolumne co., $2.....Adv June 11—Sale July 21*
Baltimore, Alpine co., 25c.... Adv. June 25—Sale July 15*
Brooklyn, Reese River, 50c.....Adv. July 2—Sale July 16*
Blue Jacket, Devil's Gate, 25c.....Adv. June 25—Sale July 9*
Blue Dragon, Inyo, 20 cents.....Adv. June 25—Sale July 29*
Black Ledge, Reese River, 50c...Adv. July 2—Sale July 16
Beach & Paxton, Virginia, $3.....Adv. July 6—Sale July 23
Bajazet & Golden Era Cons., $5.....Sale July 23 Virginia
Ben Bolt, Washington, 15 cents...Adv. June 24—Sale July 15
Bixler, $2.....Adv. June 27—Sale July 18
Boston, Ohio, 50 cents.....Adv. June 29—Sale July 12
Buckeye, Devil's Gate, $1½.....Adv July 9—Sale July 20
Beaver, $1.....Adv June 6—Sale June 20
Baja California, San Antonio, 50c..Adv July 16—Sale July 30
Big Blue Lead, Coso.....Annual Meeting July 18
Ben Franklin, Humboldt co., $1....Adv July 9—Sale July 23
Bear Track, 25c.....Adv July 6—Sale July 21
Belin Vista, Lower Cal. $1.....July 25—Aug 7
Baltimore American.....Annual Meeting Aug 23
Big Blue Lead, Tulare co., $1.....July 25—Aug 10
Bunns Coso.....Annual Meeting July 25
Best & Belcher, Virginia.....Annual Meeting July 11
Bukeye & Old Hickory Cons. S. Catalina, 50c Aug 5—Aug 25
Baltimore American, Gold Hill.....Sale July 15

Cedar, Esmeralda, $1.....Adv June 25—Sale July 18*
Cavour, Lauler co., 50c.....July 30—Aug 17*
Copp, Humboldt, $1.....Adv July 16—Sale July 30*
Constitution, Lander co.....Sale July 23*
Coso, Tulare county, $1.....Adv. July 2—Sale July 16*
Carroll, Reese River, 50c.....Adv. July 2—Sale July 16*
Copp, Sierra.....Sale July 9
Coral, Amador, $3.....Adv. June 27—Sale July 9
Calaveras Iron Mt., Cornwall, 50c..Adv. June 25—Sale July 13
Chrysopolis, Low Divide, 25 cents.....Levied May 25
Cruelo Gordo, San Antonio, $1...Adv. July 2—Sale July 14
Commercial, Santa Catalina, 10c..Adv July 2—Sale July 18
Commerce, R. R., 50c.....Adv June 4—Sale July 9
Cox & Rose, R. R., $2.....Adv. July 2—Sale July 15
Cedar, San Antonio, $2.....Adv July 9—Sale July 22
Cold Springs, C. S., 20c.....Adv July 7—Sale July 20
Comstock, San Antonio, $4.....Adv July 13—Sale July 28
Cedar Hill, Virginia, 50c.....Adv July 14—Sale August 3
Colorado, El Dorado Canon.....Meeting July 13
Cloverdale, Cloverdale, 25c.....Adv June 15—Sale July 16
Carlton, Weaver, 50c.....Adv July 13—Sale July 25
Cox & Rose, R. R., $1.....Adv July 12—Sale July 27.
Cole, Virginia, $1.....Adv July 18—Sale Aug 3
Capital, R. R. 50 cents.....Adv July 16—Sale July 30
Chicago & Detroit, Amador co 75c..Adv July 22—Sale Aug 6
Collombo, Gold Hill, 50c.....Adv July 21—Sale Aug 3
Caledonia, Gold Hill, $1.....Adv July 25—Sale Aug 6
Cortez, Lander co., $2½..... July 29—Aug 13
Cinco Semures.....Special Meeting Aug 11
Cosmopolitan, Gopher, 50c.....July 23—Aug 11
Copp, Sierra.....Sale July 9
Columbia, Tuolumne co., $2.....July 30—Aug 15
Chase & Cornwall, Amador Dist. 25c. .....Aug 1—Aug 15
Chiquenea, Mex., $5.....Adv. July 30—Sale Aug 1—Aug 13
Catalina Cons., Los Angeles Co.....Sale July 16
Grown Point Ravine, Gold Hill, $1.....Sale July 13
Cortez, Lander County.....Annual Meeting July 18
Central American, Gold Hill.....Sale July 22
California, La Paz. 75c.....Aug 8—Aug 22
Cassell, Indian Springs District, $1.....Aug 2—Aug 17
Coral Hill Cons., Amador.....Sale August 13

Dane, Esmeralda, $1.....Aug 8—Aug 20*
Daniel Webster, 20c.....Aug 8—Aug 27*
Dexter T. & M., R. R.....Adv June 11—Sale July 11*
Delta, Lander co., 50c.....Assessment Adv June 11*
Dan't Webster, Devil's Gate, $1.. Adv. June 25—Sale July 16
Don Juan, Silver Mountain, 50c.. Adv. June 25—Sale July 9
Diana, R. R., 50c.....Adv July 5—Sale July 18
Dubuque, Galena, $1.....Adv July 14—Sale July 30
Dacota, R. R., $1.....Adv July 12—Sale July 27
De Soto, Humboldt co.....Sale July 13
Duranero.....Special Meeting Aug 1
Dunkirk, R. R.....Sale July 12

Enterprise Copper, Placer co.....July 9—Aug 9*
Enterprise Copper, Placer co.....Removal of office Aug 15*
Eureka M. & M. Co., Lander county, $3.15...Aug 13—Aug 27*
Eagle Quartz, Amador county. $2..Adv July 23—Sale Aug 6*
Egery, Tulare co., 10c .....Adv July 16—Sale July 30*
Empire, Rock Spring, 5c.....Adv. July 2—Sale July 16*
Excelsior, Reese River District, 25 cents...Levied March 22*
El Tigre, $12.....Adv July 8—Sale July 19
Ethan Allen, R. R.....Adv July 11—Sale July 29
Echo, Gold Hill, $3.....Adv. June 16—Sale July 11
Erie.....Meeting June 20, Austin, N. T
Empire State, Contra Costa county... Assessment 10 cents
El Toro, Mex., $4.....Adv July 16—Sale July 30
Eclipse, Sierra 50c.....Adv July 30—Aug13
Eveca Cons., Del Norte County.....Sale July 16
Echo, Gold Hill.....Annual Meeting July 20
Eclipse, Tulare County..... Sale July 15

Forest Queen, Amador Co., 50c..Adv July 16—Sale August 1*
Fortune, Calaveras Co., 50c .....Adv July 23—Sale August 3*
Fork, Blue Mountain.....Adv. June 17—Sale July 13
Fairview, R. R., 25 cts.....Adv. July 2—Sale July 16
Fork, Blue Mountain.....Annual Meeting July 12
Flor de San Antonio, Mex. $1½.....June 25—July 25
Franklin Tunuel and Mining.....Annual Meeting July 15
Frank, Silver Mountain.....Sale July 21

Great Cons., Boise.....Caution*
Great Western T. & M. Co., Aurora, 25c.....July 30—Aug 17*
Great Western T. & M. Co., Aurora.....Meeting Aug 6*
Gobernadora, Lower Cal., 70c...Adv July 16—Sale Aug 1*
Good Return, Cons., Tulare $1..Adv July 16—Sale July 30*
Gertrude, R. R., 25c.....Adv. July 2—Sale July 16*
Gold Rock, Calaveras co., 50c...Adv. July 2—Sale July 22*
Good Hope, Alpino, 75 cents.....Adv. June 4—Sale July 18
Great Cons., Boise R., Placer...Adv. May 28—Sale July 16
Gold Hill Big Ledge, G.H., $5...Adv. June 30—Sale July 15
Good Hopes, Alpine, 75c.....Adv June 11—Sale June 25
Gen'l. Hill, Summit, 25c.....Adv July 10—Sale July 23
Guadalupe del Aguajito.....Meeting July 18
Gen'l. Jackson, Devil's Gate, 50c....Adv July 2—Sale July 16
Gold Hill Tunnelling, Gold Hill.....Annual Meeting July 15
Green, Gold Hill, 50c.....Adv July 18—Sale Aug 1
Garibaldi, Aurora.....Meeting July 11
Guasaparis Chihuahua, Mex., $12..Adv June 25—Sale July 11
Golden Age & Empire, Esmeralda..Annual Meeting July 14
Gold Canon, Gold Hill.....Sale July 10
Goodwin, Lander Co.....Meeting July 9
Great Central, Smoky Valley.....Sale July 19

Henry & Barnard, Weaver, 25c.....July 2—Sale July 18*
Hartford, Gold Hill, $1 .....Adv. June 7—Sale July :0
Hale & Norcross.....Adv. June 27—Sale July 16

Those markod with an asterisk (*) are advertised in this journal.

Hornitos, Hornitos $5.....Adv July 11—Sale July 23
Hinchman, El Dorado co., $4.....Adv July 20—Sale July 31
Hallreck, Alpine co., 50c.....Aug 2—Aug 22
Hohbrider Copper, El Dorado Co....Annual Meeting July 21
Hawley, Devil's Gate, $7.50.....Aug 1—Aug 15
Highland Chief, 25c.....June 11—July 19

Imperial, Arizona 50c.....Sale Aug 2*
Independent, R. R., $1..Adv. June 21—Sale July 9, Gold Hill
Indian Valley, Plumas co., 75c....Adv June 16—Sale July 16
Iowa, Esmeralda, $5.....Adv June 23—Sale July 12
Ida, Lower Cal, 50c.....Sale July 20
I X L, Silver Mountain, 50c.....July 7—July 20

J. J. Cattenden, R. R. 25 cents..Adv July 16—Sale August 3*
Julia, Virginia, 50c.....Adv June 30—Sale July 13
J C Fremont, Sil. Mt. 4 ass'ts at 25c....Adv Aug 1—Sale Sept 1
Jewel, Devil's Gate, $1½.....Adv July 13—Sale July 25
Josephine Copper, Calaveras Co., $2.....July 30—Aug 13

Kate Lamar, R. R.....July 2—Aug 6*

Kenkuk, 10 cents.....Adv. June 25—Sale July 13*
Kentucky, Mine, Felix, 50c.....Adv. June 28—Sale July 13
Kappa, Amador, 50c.....Adv July 6—Sale July19
Kohler Bros., Mex.....Sale July 12
Kentucky, Mine, Felix, 50c.....July 30—Aug 10

La Candelaria, Mex.....Adv July 16—Sale August 5*
Lapland, R. R., 50c.....Adv July 2—Sale July 15*
La Marronena, L. C., $5.....Adv July 9—Sale July 23*
La Libertad, Lower Cal.....Adv July 23—Sale Aug 8*
Lady Adams, R. R., 20c.....Adv. July 2—Sale July 16*
Laura Simpson, Soledad, 50 cents..Adv June 23—Sale July 9
La Providencia, La Paz, $1.....Levied May 16
Lady Bell, Bel Norte co., 10c.....Adv. July 6—Sale July 18
Laurel Hill, $1.....Adv July 7—Sale July 20
La Fernandes, Hermosillo, $6¼....Adv July 7—Sale July 21
La Churcas, San Antonio.....Meeting July 21
La Churcas, San Antonio, 50c.....Adv July 10—Sale July 20
Las Cruzecitas, Mex. $6¼.....Adv July 13—Sale July 25
La Blanca, Mex. $2½.....Adv July 14—Sale July 26
Libertad, Mex.....Adv June 15—Sale July 16
Lucero, Gold Hill.....Sale July 12
Lone Star, Lander.....July 30—Aug 13
Lochinvar, Gopher, 50c.....Aug 5—Aug 16

Mount Eden, Gold Hill, 50c.....July 9—July 25*
Moscow.....Annual Meeting, Aug 1*
McDermott, Devil's Gate, $1.....Adv July 23—Sale Aug 10
Moonlight, Indian, H., $1.....Sale July 20*
Moscow, Esmeralda.....Adv June 11—Sale July 15*
Mohawk, Reese River, 50c.....Adv. July 2—Sale July 16*
Monarch, R. R., 25c.....Adv. July 2—Sale July 16*
Mechanics, Clayton, 5 cents.....Adv. June 25—Sale July 13*
Mashora, San Antonio, 50c.....Adv. June 25—Sale July 13
Minerva, Gobi Hill, $25.....Adv July 8—Sale July 23
Manchester, Monitor, $1.....Adv. June 21—Sale July 13
Mary and Estella, 15c and 10c.....Levied Jan. 19 and Feb. 20
Melones & Stanislaus, C. H, $2.50..Adv. July 30—Sale Aug 13
Mount Eden, Gold Hill District, 50c..Adv July 9—Sale July 8
Miamaha, 25c Silver District, 25 cents..Levied March 22*
Michigan, G. H. $10..Adv July 9—Sale at Gold Hill August 10
Marin, Mex. 75c.....Adv July 18—Sale July 30
Moss, Virginia, $5.....Adv July 12—July 23
Melrose, Humboldt, Special Meeting, July 1, Humboldt City
Mina Rica de Los Flores, Calaveras county.....Sale Aug 20
Monitor, R. R.....Adv. June 22—Sale July 23
Merchles, Sonora, Mex.....Sale July 26
Mount Davidson, Virginia.....Annual Meeting July 13
Morning Star, Alpine Co., 75c.....July 30—Aug 3
Monte Christo, Virginia.....Annual Meeting July 13
Minerva Hill, Mono co., 50c.....Aug—Aug 20
Mary Frances, Silver Mountain.....Annual Meeting July 30
Murathon, Mono co., 50c.....July 27—Aug 10
Metropolitan, Silver Mountain, 20c.....July 27—Aug 10

New Year D'gns, Tuolumne $1½..Adv June 28—Sale July 13
N'th Lawrence & Guilford Con 50c..Adv June 15—Sale July 11
Nonpareil, Tuolumne co., $5... .Adv July 8—Sale July 20
Nevada, Justice, $20.....Levied April 9—Virginia
North Star, Reese River. $2.....Adv. July 1—Sale July 15
Napoleon, Copper.....Quarterly Meeting July 11
Niagara.....Annual Meeting Aug 20
New York Q'tz, El Dorado co., $1½..Adv July 9—Sale July 20
Nelson Cons. Gold Hill, $2.....Adv July 2—Sale July 13
New England Con. Los Ang'l's co 5c..Adv July 15—Sale July 27
Napoleon, $5.....Adv July 14—Sale July 29
North Potosi, Virginia, $12½.....Adv July 16—Sale July 30
Nuestra Senora de Guada', Mex. $6..Adv July 2—Sale July 16

Ontario, Montgomery .....Adv. June 25—Sale July 9*
Orinoco, Reese River, 50c.....Adv. July 2—Sale July 16*
Ozark, Gold Hill, 10c.....Adv July 16—Sale July 30
Overman, $30.....Levied June 7 Gold Hill
Osceola Hill, 25c.....Adv July 10—Sale July 23
Owens River, Inyo, $3.....Adv July 9—Sale July 20
Olympic, Big Creek, 50 cents..Adv. June 25—Sale July 12
Overman, $30.....Levied April 16—Gold Hill
Omega, Gold Hill, Virginia, $25..Adv July 8—Sale July 23
Oxford Beta, Silver Hill, 50 cents,. Adv June 18—Sale July 9*
Ontario, Lander co.....July 15

Point Arena Petroleum ..... Meeting Aug 9*
Peaslee & Sparks, R. R., 25c ....Adv. July 2—Sale July 16*
Phœnix, Reese River.....Adv June 11—Sale July 14*
Porter, Butte co., 50c.....Adv July 16—Sale Aug. 3*
Prima Donna, Devil's Gate, 50c... Adv July30—Sale Aug 15*
Potomac, Reese River, $1.....Adv. June 25—Sale July 11*
Provo Cons. Santa Rosa, 10c.....Adv July 14—Sale July 24
Pizarro, Cortez, 25c.....Adv July 9—Sale July 25
Peninsular, San Antonio, 25c....Adv. June 15—Sale July 16
Polhemus.....Sale July 8
Palmetto, Coso.....Annual Meeting July 25
Pride of the West.....Annual Meeting July 14
Prince Imperial, Calaveras co.....July 30—Aug 17
Peninsular, San Antouio, 50c.....Adv July 30—Aug 13

Quartz Mountain, 40c.....July 30—Aug 19*
Quartz Hill, El Dorado co., 40c....Adv July 23—Sale Aug 10*
Rhodes Diggings, R D., $3.....Adv July 16—Sale July 26
Rosario & Carmen, Mex., $1.....Adv July 1—Sale July 15
Roasch, White Mountain, 40c, 50c Adv June1—Sale July 11
Relief, 10 cents.....Levied May 19
Red Cap, Amador, 50 cents.....Adv. June 15—Sale July 11
Ruba, R. R., 25 cents.....Levied March 31
Rhode Island, Keys, 10 cents.....Adv July 9—Sale July 12
Rhode Island, Keys, 50 cents, 25c...Adv July 16—Sale July 30*
Rubicon, No, 1, 2, 3 & 4, 10c Mono..Adv July 23—Sale Aug 10*
Rose, Humboldt co.....Meeting July 14
Real Del Minas.....Sale July 13

Silver Age, Lander co., $1½.....July 30—Aug 10*
Schmeltzer, Humboldt co.....Sale Aug 3*
Schmeltzer, Humboldt co.....Meeting, Aug 3*

San Lorenzo, Santa Cruz, 50c....Adv. June 25—Sale July 11*
Siskiyou Lion, Siskyou co, 50c....Adv June 25—Sale July 12*
Sucrte, Carmen Island, 25 cents..Adv. June 25—Sale July 11*
Star of Nevada, Reese Riv, 50c..Adv. July 2—Sale July 16*
Stars & Stripes, Rock Creek, Cal. co., 10c ..June 21—July 9*
Sierra Madro, Rock Spring, 5c..Adv. July 2—Sale July 16*
San Francisco, Rock Spring, 5c..Adv. July 2—Sale July 16*
St. Clair Cons., Smoky Valley, $1..Adv July 9—Sale July 3*
Schleck, Cop., Amador county....Adv June 25—Sale July 23*
Silver Creek, Coso.....Sale July 23*
Sierra Cons. 25 cents.....Adv June 25—Sale July 18*
Salamander, Mill Valley, 20c.....Adv July 14—Sale July 29
Stanislaus, Calaveras county 50c...Adv July 4—Sale July 19
Shoshone, Lander co., $1.....Adv July 6—Sale July 20
Sublet's, R. R., $1.....Adv. July 2—Sale July 10
Sonoma Ledge, R. R., $1.....Adv. July 2—Sale July 16
Sarah Frances, Webster, 10c....Adv. July 6—Sale July 20
Seely, Big Creek, 58 cents.....Adv. June 25—Sale July 13
Siskiyou, Humbug, $1.....Adv. June 28—Sale July 16
Seneca, Cons, Virginia, $5.....Adv. June 27—Sale July 16
Salamander, Mill Valley, 10 cents..Adv. May 24—Sale July 11
Sonoma County, Cloverdale, 20c...Adv. June 21—Sale July 9
Sunset, Amador, 50 cents.....Adv. June 15—Sale July 11
Sisters, Augusta, 10 cents.....Adv. June 25—Sale July 23*
Sonoma Co, R R, 25c.....Adv. July 2—Sale July 31
Scotty, R. R., $1.....Adv June 13—Sale July 18*
Superior, Alpine co., 50c.....Adv July 21—Sale Aug 2
Sumner, $5 .....Adv July 22—Sale Aug 11
Santa Rosa, Virginia, $1.....Adv July 18—Sale Aug 6
Silver City.....Sale June 11—Sale July 10
Sutro, $1.....Virginia, Adv June 10—Sale July 11
Spring, Mono co., 50c.....Adv July 10—Sale July 22
Surprise, Mariposa, 20c.....Adv July 11—Sale July 27
San Carlos, Inyo, $4.....Adv July 9—Sale July 23
St. Nicholas, Lander co., $1.....July 25—Aug 10
San Marcial, Sonora Mex.....July 26—Aug 15
Sailor, Calaveras co.....Adv July 30
Savage, Virginia.....Annual Meeting July 12
Sixty Ninth, Sierra co., 3c.....Levied June 25
Sierra, Ormsby co., $2.....July 27—Aug 15
Simpson & Bassell, Carson Valley, 30c.....Aug 6—Aug 7
Soledad Pass, Los Angeles co.....Annual Meeting July 13
San Francisco, Gold Hill, $5..... Aug 2—Aug 16
Sweet Vengeance, Yuba co.....Annual Meeting Aug 1
Salamander, Coso.....Annual Meeting July 25
San Marcial, Sinaleu..... Sale Aug 6
Santa Cruz Petroleum..... Sale July 12

San Francisco Stock & Exchange Board.—Prices Bid and Asked.

WASHOE STOCKS.	FT	SHARES.	VAL.	Saturday. BID.	Saturday. ASKED.	Monday. BID.	Monday. ASKED.	Tuesday. BID.	Tuesday. ASKED.	Wednesday. BID.	Wednesday. ASKED.	Thursday. BID.	Thursday. ASKED.	Friday. BID.	Friday. ASKED.
Ophir		1,400	1,800	700	750	—	—	730	750	710	750	730	740	720	740
Gould & Curry		1,200	4,800	500	1,000	1,625	—	1,650	1,675	1,850	1,850	1,800	1,610	1,650	1,625
Savage		800	800	2,000	1,000	1,150	—	1,050	1,200	1,125	1,175	1,000	1,225	1,100	1,200
Challar		1,400	5,600	800	400	410	—	400	420	400	415	420	420	425	430
Potosi		1,400	2,800	500	1,000	1,200	—	1,000	1,200	1,000	1,100	950	1,200	910	925
Italic & Norcross		400	800	500	—	—	—	300	600	350	—	350	550	—	—
Sierra Nevada		3,000	3,000	600	—	—	—	—	—	—	—	—	—	—	37½
Daney		2,000	800	60	25	45	—	—	—	—	—	—	—	—	70
Burning Moscow		4,100	4,100	500	20	24	—	—	20	27	21	28	20	25	20
North Potosi		2,000	2,000	250	51	55	—	—	52	53	44	49	51	55	52
Uncle Sam		1,200	1,200	200	—	600	—	—	—	600	400	600	415	600	—
Iowa		1,200	1,200	1,000	—	—	—	—	—	—	—	—	—	—	—
El Dorado		1,600	1,600	500	10	20	—	—	—	—	—	—	5	20	—
Norton		1,000	1,000	50	—	—	—	—	—	—	—	—	—	—	20
Burnside		2,800	2,800	500	—	—	—	—	—	4	—	4	—	4	—
Adriatic		2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—
Pride of West		1,000	1,000	100	—	—	—	—	—	4	—	4	1	5	—
Imperial		184	4,000	500	146	153	—	—	145	150	150	160	150	160	145
Crown Point		600	1,200	100	—	—	—	—	—	—	—	—	—	—	—
Manhattan		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Benevo		—	—	—	—	—	—	—	—	20	5	10	5	14	—
Mt Davidson in't		1,000	1,000	200	—	—	—	—	—	—	—	—	—	—	—
Caledonia Tun't.		—	—	—	4½	6	—	—	—	5	2	5	3½	5	—
Bajazet & G Era		4,000	4,000	300	—	21	—	—	—	20	—	—	—	—	4½
Cedar Hill tun'l.		—	1,000	100	—	—	—	—	—	—	—	—	—	—	—
Gold Hill Quiz M		—	—	—	—	—	—	—	—	—	—	—	—	—	—
ESMERALDA.															
Wide West		1,100	1,400	2,600	10	13	—	—	10	13	10	10½	10	11	7
Antelope		1,200	1,200	500	—	—	—	—	—	120	—	—	—	—	—
Esmeralda		1,000	1,000	1,000	—	—	—	—	—	—	—	20	5	20	5
Real del Monte		4,400	4,400	400	21	25	—	—	18	50	—	—	—	30	12
Utah		1,600	1,600	250	—	—	—	—	—	30	—	—	—	30	10
Silver Hill		3,000	3,000	500	—	—	—	—	—	—	—	—	—	—	—
Nevada		600	1,200	250	—	—	—	—	—	—	—	—	—	—	—
Pulls of Clyde		6,000	6,000	100	—	—	—	—	—	—	—	—	—	—	—
Bamboo		600	600	500	—	—	—	—	—	—	—	—	—	—	—
Crockett		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Federal Hope		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jenny Lind		—	—	—	—	—	—	—	—	—	—	—	—	—	—
COSO.															
Josephine		9,600	4,800	2,500	—	—	—	—	—	—	—	—	—	—	—
Willow Springs		2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—
Coso		2,600	3,600	600	—	—	—	—	—	—	—	—	—	—	—
COPPER.															
Napoleon		2,700	2,700	600	—	—	—	—	—	80	—	—	75	—	—
Josephine		—	—	—	—	—	—	—	—	—	—	—	—	—	—
CALIFORNIA.															
Laurel Hill		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhodes Diggings		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fellowes		2,500	2,500	100	—	—	—	—	—	—	—	—	—	—	—
Maxwell		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rock River		—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eureka		—	—	—	—	—	—	—	—	—	—	—	—	—	—
HUMBOLDT STOCKS															
De Soto		1,980	1,980	100	—	—	—	—	—	—	—	—	—	—	—
Great Basin		—	—	—	—	—	—	—	—	—	—	—	—	—	—

Salvatierra, Catalina Island, 50c.....Aug 8—Aug 22
Siskyon Lion, Siskyou co.....Annual Meeting July 12
Segregated Crown Point, Gold Hill, $26. .....Aug 9—Aug 22
Scott Mining and Exploring, Humboldt, 75c..July 31—Aug 15
Sbaren, Gold Hill, $1.....Aug 3—Aug 15

Twin, Silver Mountain, $1.....Adv July 9—Sale July 23
Teutonia, Cold Hill, $1.....Adv. June 19—Sale July 14
Tulare, Inyo, 40 cents..... .....Adv. June 25—Sale July 9
Tuttuah, Sierra $15.....Adv June 17—Sale July 30
Teceripa.....Sale Aug 8
Tornado, Arizona.....Meeting July 23
Tennessee, Coso.....Annual Meeting July 25
Tertonia, San Miguel, 25c.....Aug 6—Aug 20
Tatum, Lander County.....Annual Meeting Aug 2

Union Tunnelling, Santa Clara, H.....June 11—July 16*
Union, Cop No. 2.....Annual Meeting Aug 1
United States, Virginia, $1.....Adv. July 3—Sale July 16

Victoria, Reese River, 50c.....Adv. July 2—Sale July 16*
Valley Forge, Cop., Amador co...Adv June 25—Sale July 23*
Ventana, San Demas, $5.....Adv July 8—Sale July 27
Vulcan, Rocland, 25c.....Adv. June 9—Sale July 18
Veatch, Clifton.....Annual Meeting July 12
Victor Hugo, Gold Hill.....Sale July 14
Vulcan, Lander co.....Annual Meeting Aug 2

Warfield, Placer co., 15c..... .....Aug 5—Aug 22*
Wilson, Echo, $1.....Adv. May 21—Sale July 2*
Winona, Arizona Ter., 25c.....Adv July 9—Sale July 27*
White Mountain Cons., Mono co., 15c.....July 9—July 20*
Webster, Montgomery.....Adv June 25—Sale July 9*
Wm. Mitchell, Silver Mountain, $1. Adv July 21—Sale Aug 5*
Whitman, Indian Springs, $7½.....Adv July21—Sale Aug 1
White & Murphy, Virginia.....Adv July 22—Sale Aug 9
Weaver, Weaver, $1½.....Adv July 18—Sale July 23
Williams, Silver Mountain, 25c. 20c & 25c.....Aug 1—Sept 1
Washoe, No. 1, Gold Hill, $2½.....Adv July 14—Sale July 26
Wm. Penn, Devil's Gate, $5.....Adv. May 28—Sale July 23
Wide West, Esmeralda, $5.....Adv. June 29—Sale July 9
Washington, R. R., 50 cents.....Adv. June 25—Sale July 9
Washington, R. R.,.....Annual Meeting July 11

Yankee Blade, R. R., $2.....Adv July 25—Sale Aug 10
Yosemite, R. R., 50c.....Adv July 20—Sale Aug 3
Yosemite, Oro Fino, $3 .....Levied Feb 9
Yellow Jacket, Gold Hill.....Annual Meeting, July 11

Zaack, R. R., 50c.....Adv June 8—Sale July 9

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also — EDS. PRESS,

Sales of Mining Shares

For the week previous to Saturday, July 8th.

By the San Francisco Stock and Exchange Board, and Pacific Board of Brokers.

NAMES OF COMPANIES.	SHS. SOLD.	LOWEST.	HIGHEST.	CLOSING.
Burning Moscow	63	19	20	19
Bullion	421	50	65	50
Belcher	2	1050	1050	1050
Baltimore American	20	45	48	47½
Challar	42	400	425	425
De Soto	5	12½	12½	12½
Empire Mill & M Co.	1	700	700	700
Gould & Curry	548	1560	1850	1600
Golden Age & Empire	95	16	18	17
Imperial	10	148	148	148
Lady Bryan	1147	10½	22½	10½
Melones	20	20	20	20
North American	180	60	67½	60
North Potosi	2350	50	55	50
Nevada, J. G.	10	24	25	24
Ophir	85	730	730	730
Potosi	72	900	1000	910
Spring Valley M. Co.	5	40	40	40
Savage	3	1050	1050	1050
Wide West	25	10	11	10
Yellow Jacket	12	800	800	800

Gold in New York.

Friday, July 1.....285.
Saturday, July 2.....275@285.
Tuesday, July 5.....260.
Wednesday, July 6.....244@248.

Legal Tender Notes.

San Francisco, Friday, July 8..... 46 per cent.

THE *Mining and Scientific Press* makes its appearance upon an eolarged sheet. We congratulate our cotemporary on this sign of prosperity, which we need hardly say, is well merited.—*S. F. Argus.*

Rules for Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or on any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

THE WIDE WEST.—The superintendent of the Wide West is still pushing down his incline for the tunnel. He is now down about 400 feet. He writes to the secretary in this city, that as he goes down, the vein varies in thickness aod inches. It narrowed down at one time to two inches, with hut a very slight trace of gold and silver; then widenod again to twenty-eight inches; narrowed again to one inch, and has from that time widened until it is now between four and five feet in width. Ahont thirty feet ahove the hottom of the incline, a side drift has been run on the ledge to the distance of twenty feet, from which some fifteen tons of ore or more have heen taken, the assay of which was made hy Messrs Kramp & Reese, of Aurora, and gave of gold $45,40, silver $12.25, or $47.65 per ton of 2,000 lbs. It is the intention to have work steadily prosecuted on the shaft, as the result thus far shows a steady increase in the value of the orc, and it is the hope and confident expectation that a greater depth of ore will be found, of sufficient quantity and quality to afford full and remunerative employment for the mill, and, retrieving the character of the Esmeralda mines, will repay those who shall then be found holders of the company's stock.

THE SANITARY FAIR IN SAN ANDREAS.—Nearly $1,800 net, was realized for the Sanitary Fund at the Fair at San Andreas, on the Fourth of July. The total receipts were something over $2,500, with scarce 200 white men at the fair. This is pretty good. Is not San Andreas entitled to the distinction of being set down as the hanner town of California in this good work?

THE MECHANICS' FAIR.—We again call the special attention of our Mechanies and Miners to the importance of getting ready *in time* to send in their machines and specimens. The Institute is working in earnest aod tho Pavilion is nnderway. Be in time by all means.

IS IT SO?—Photographs are nothing new, if we may believe the reports published in several of our exchange papers, which says that evidence has been brought before the Royal Society of Englaod, which proves conclusively that photographic pictures were produeed more than fifty years ago. Besides the photographs themselves, there are documents, apparently genuioe, which seem to settle the poiot.

Mechanical and Patent Department.

LABOR SAVING MACHINERY.

The demand for soldiers and the resulting scarcity of laboring men, since the inception of the present war, has created a most unusual and persistent demaud for nll sorts of labor saving machincry. Most particularly has this been observable in agricultural implements. The farmers, throughout the country, have, heretofore been the most unwilling, as a class, to admit the advantages of labor saving machinery as applied to the different departmeuts of their industry. It is said that more agricultural implements have beeu introduced during the past three years than during the previous twelve. The scarcity and high price of farm labor has had a wonderful influence in doing away with prejudice in this direction nnd in unclasping the purse strings, which had previously been so generally tight drawn against purchases of this description. Were it not for the timely appearance of the various labor helps of this character our country would at this time have beeu in a most deplorable condition, from which even the foreign laborers, now rushing in such immense numbers to our shores, would not he ahle to relieve us.

The above remarks apply with more or less force to nearly every department of industry in the land. The reaper, the mower and the horse-rake, find their counterpart in a hundred different forms in the numerous labor saving machines which have recently been applied to various purposes for the accomplishment of which human hands have hitherto been the only resource. These iron aud wooden sinews and hands are the slaves of our northern latitudes, and far more efficient and reliable than the ebony colored human chattels, for the maintenance of which the people of our southern latitudes are now waging the most monstrous and gigantic war of ancient or modern times.

Effects of Remelting and Reheating Iron.—A series of experiments, illustrating the effect of remelting, upon the strength of cast iron, was made by Major Wade, of England, some three or four years since, the result of which indicated a remarkable increase in its strength, up to a certain number of times of melting. The iron, at each successive melting, was retained in a molten state for several hours before pouring. Subsequently, Mr. Wm. Clay, of the Mersey Steel and Iron Works, instituted a similar series of experiments upon wrought iron, which was also found to increase in strength with each successive piling, heating and rolling, up to a certain number of times, after which it was found to decrease in strength in about the same proportion.

It was proved, by these experiments, that the quality of iron increased up to six times heating and melting, after which it commenced to retrogade. Similar experiments on puddled iron gave like results.

Cold Rolling.—In connection with the foregoing it will be interesting to recall some experiments by Mr. Fairbairn as to the strength of iron compressed by cold rolling. A bar fifteen feet long and two and one-eighth inches in diameter was rolled cold, down to two inches, the length being extended in the process one and a half inches. The absolute reduction of the volume or bulk of this bar was about ten per cent., and the increase of strength was fifty per cent. The test made by Messrs. Merrick & Sons, Pittsburgh, upon iron, cold rolled, gave a strength of about one hundred and ten thousand pounds per square inch for iron, which, before being thus rolled, bore about sixty-five thousand pounds. This compressed iron is being extensively used in the manufacture of car axles. Boiler iron, cold rolled, would be proportionately increased in strength.

Extension of the Steel Manufacture.—The Whipple File Manufacturing Company, at Ballard Vale, Mass., have erected during the last year, a building 200 by 77 feet, for the manufacture of their own steel, and they claim to make a better article than they have ever been able to purchase. They will soon be producing 30 tuns per week. Their files are cut by machinery.

A Heavy Forging.—The Pittsburgh *Dispatch* says that one of the most intricate pieces of forging ever attempted west of the Alleghanies has just been completed by Wm. Porter & Co., of Temperanceville. The mass is designed for the stern of the iron-clad *Umpqua*, and is to support and resist the thrust of the two propellers with which that vessel will be furnished. The bearings of the propeller shafts are eight by twelve inches, and are separated nine feet six inches by an oval rail, seven inches broad by two inches thick. They are supported from the keel plate by similar oval braces es, seven inches broad and three inches thick. the three rails forming a massive inverted triangle, some six feet from base to apex. The huge lugs by which this triangle is fastened to the frame of the vessel are four feet long, eight inches broad, and three inches thick, and one is fastened to each bearing by a short connecting rail. No mere verbal description could convey a just idea of the difficulty of forging such a mass of iron, in such a shape, and at one time it was not supposed that the work would be undertaken here. The forging will be temporarily fitted in its place this week, and will then be planed, bored for the shafts, and permanently fastened.

A Newly Invented and most effective cannon was recently tried at Fortress Monroe, when it was found to readily throw 200 balls per minute. Still more recently a letter has been published from Bermuda Hundreds, Gen. Butler's Headquarters on the Potomac, which evidently alludes to this same or a similiar gun, which appears to have had another trial, and this time in actual conflict of battle. The letter says:—

The enemy have made frequent attacks upon our entrenchments and have been defeated each time. On one of these occasions the Gatnell gun, which throws 200 shot per minute, was brought to bear upon the enemy with terrible result. Some rebel prisoners, captured at the time, asked our men: "What kind of a gun is that? Do you load it all night and fire it all day?

Iron Becoming Hot by Stretching.—In a recent discussion in England on testing chain cables, Mr. Gladstone stated that he had had much experience in the matter, and had observed that when the iron begins to stretch the temperature rises, becoming so hot before the link parts that the hand when brought in contact with it cannot bear the heat.

Nothing new in that; every person who has bent back and forth a piece of iron wire, to break it must have noticed the same phenomenon. Any force applied to iron, to change the relative position of its particles, such as drawing, compressing, twisting or changing the condition of its particles by chemical agency, will develop latent heat.

Compositions of Zinc and Copper are now made so hard that they will cut steel and stand well for tools. The ancient art of alloying and tempering these metals, seems to have been rediscovered. This art was doubtless lost soon after the discovery of steel, which is a much more suitable material for such purposes. The mixing of these hard alloys of copper and other softer metals, and their tempering, is more the result of curious than useful experimenting.

A New Steam Horse.—Among the novelties in the Mechanics' Hall at the Pittsburg Sanitary Fair, spoken of by the eastern papers, is a steam horse lately invented by a citizen of Pittsburg. This horse is represented to be capable of supplying the place of the genuine quadruped, hauling drays, wagons, etc., and will adapt itself to all variations of road surface.

The machine thus alluded to is evidently something new in the way of a traction engine, designed to work upon common roads.

Where our Ivory Comes From.—An exchange says, maliciously: "You carry a beautiful cane—it cost $3.50—$1.50 extra on account of its beautiful pure ivory head. Your wife has a costly fan, with a pure ivory handle. In your pocket is a pure ivory-handled penknife, very pretty and fine. On your table is a set of knives and forks, with pure ivory handles, and a little expense they have cost for being pure ivory. The ring in which are the reins of your costly double harness is pure ivory. The handles of beautiful parasols are pure ivory—and so on, with many articles useful and ornamental. But it happens that this "pure ivory" is manufactured from the shin bones of the dead horses of the U. S. Army."

There are 27 clerks employed in the San Francisco post office.

NEW INVENTIONS.

Ore Separator and Amalgamator.—Herman Peitsch, of New York, has just patented an ore separator and amalgamator, of which the principal feature consists in the use of a series of pans, each provided with a tootbed top and plain bottom, revolving in opposite directions, in combination with a zig-zag channel forming the communication between the succeeding pans in such a manner that the ore and water, while passing through the several pans, is thoroughly agitated and gradually freed from its heavy particles, which precipitate upon the bottoms of the different pans; the invention consists, further, in the application of two pans containing mercury and communicating with each other through a central channel in combination with suitable rotatory agitators, causing the ore to enter the mercury pans, and to be distributed and spread within the same in such a manner that all the heavy parts of the ore will be retained, and the precious metals carefully amalgamated.

Washing and Pressing Machine.—M. C. Davis and L. C. Keith, of Folsom, in this State, have received letters patent for a washing and pressing machine of their invention, which appears to be something quite new in this line. This invention consists in the arrangement of a furnace, hot-water tank and pump, in connection with a sprinkler and reciprocating pressure board operated by a hand lever, connecting with toggle arms, in such a manner that by the action of the hand lever, the pump is set in motion and a quantity of water from the tank is forced up on the sprinkler and discharged on the clothes hung under said sprinkler, and between it and the pressure-board, and at the same time a gradually increasing pressure is exerted on the clothes, thus alternately charging them with hot water and squeezing them dry until all the dirt has been removed from the same.

Improved Military Knapsack.—Mr. E. O. Woods, of Philadelphia, has introduced an important improvement in the construction of the military knapsack. The principal improvement consists in an arrangement by which the weight of the knapsack and musket are made to counterbalance each other, the whole being fairly saddled upon the shoulders. Also, by the use of this improvement the weight of the musket is almost entirely taken from the band, and the annoyance experienced from the constant slipping of the knapsack and irritation of the armpit straps are both avoided. By this advantageous distribution of burthens the soldier will feel as if half their weight had been taken away. This invention appears to be quite important and most opportune. Anything which will tend to lighten the burthens of the brave defenders of our country, should and will be received with especial favor.

Amalgamating Machine.—M. B. Dodge, of Black Hawk, Colorado, has obtained letters patent for a new amalgamator, which may be described as follows:

This invention relates to a novel arrangement of the rotary shoes of the machine, whereby the outer ones, which are subjected to the most wear, in consequence of having the greatest speed, may always be adjusted so as to run in contact with the bottom of the pan, and the wear thus be compensated for. In the ordinary amalgamating machines the outer shoes, in consequence of being subjected to more wear than the inner ones, soon become comparatively useless and thereby render the machine less efficient than it otherwise would be.

Machine for Splitting Wood.—Mr. John A. Knight, of St. Louis, Mo., has invented and obtained letters patent for a machine for splitting wood. In this device the wood is split by the fall of a weighted block, something like the operation of a pile-driver. The splitting knives are stationary. The invention relates to the construction and arrangement of the parts pertaining to the lifting and discharging of the weight. It is is said to be simple and effective, and capable of rapid operation.

Newly-Discovered Bone Cave.—The *Popular Science Review* says:—"In making certain excavations in the rock of Gibraltar, the engineers have come upon a very extensive cavern containing the bones of numerous extinct mammalia and of man. From what we have already heard, this grotto bids fair to give more light upon the question of the age of prehistoric man than any hitherto examined. As yet we have had no minute description of the fossils discovered in this locality, but we have been informed that a very great number of specimens have been forwarded to this country by one of the Gibraltar authorities particularly interested in the geology of the excavation."

How Granite Was Formed.—In delivering one of the lectures of the Swiney course at the Royal School of Mines, Dr. Percy objected to the assertion of geologists, that granitic rocks must have been formed by plutonic agencies, for, said he, there are certain difficulties which have always been in the way of accepting this view of the subject—difficulties known at all events to those who have been accustomed to make experiments on the fusion of mineral substances at high temperatures. This is especially seen by examining the condition of quartz in granite; it is always found in the crystalline condition, and has invariably a specific gravity of 2.6. There is not a single instance known to the contrary. Hence there is reason to believe that the quartz could never have been fused, for the moment silica is fused, no matter in what condition it was previously, a peculiar glass-like collodial mass is produced, having a specific gravity which never exceeds 2.3.—Therefore there is good reason to conclude that granite could never have been found under the condition of a high temperature.

Elevation of the Coast of Chili.—That the latter coast is being gradually elevated, would appear from the fact that for half a century the harbors of the country have been diminishing in depth. This change, however, might be accounted for by supposing the existence of currents bringing in *debris*. M. Pississ in the *Comtes Rendus*, gives other proofs. On examining the coast between Conception and Rio Maule, the various escarpements of schistose rocks will be found to present several cavities formed in other times by stone-boring mollusks; these markings succeed each other without interruption from high water level to a hight of from 8 to 10 metres (about 30 feet). The upper ones are much more crowded than those below, thus proving that the elevation has been gradual; for had it taken place at various intervals, there would he a series of interruptions in the series, which do not exist.

Corns.—It is a mistaken idea that corns are deep-rooted—they have no under-spreading roots at all. The center of the corn is a little bundle of straight pipes, and corns are extirpated by removing the cause of them upon the tops of these pipes. The corn-cutters with a sharp penknife remove the upper part of the bundle of pipes, and the pressure on the top being removed from time to time, the bottom of the pipes ceases to grow. Dr. Wilson tells us that next to paring down the callous part of a corn and digging out a portion of the central part, the best application is a piece of buff leather, with a hole in the center exactly the size of the center of the corn. A little adhesive plaster spread over the leather will fix it on. The yeast of beer spread over linen and applied daily to a corn has sometimes removed it. Corns are the result of pressure or friction, and upon removing the cause the effect will often wear away.

Chemistry of the Oil of Nutmeg.—The nutmeg owes its peculiar aromatic properties and flavor to a volatile oil which is present in large quantities, but up to this it has not been submitted to a chemical examination. This oil may be extracted by boiling the kernel in an ordinary retort, but in this process only a portion of the essence is obtained. A preferable method appears to be the treatment of the finely powdered nutmeg with bisulphide of carbon or sulphuric acid. The mixture is then filtered, and a stream of vapor is caused to play upon the residue, which then loses all the essence it contained. The composition of the essence obtained in this manner is the same as that of volatile oil of turpentine.

Growth of Egypt.—Correspondents writing from Egypt say that that country is becoming revolutionized. Every steamer adds to the population and the developing energy that are to urge forward the country in the paths of civilization and wealth. Alexandria and Cairo already have more inhabitants than can find house room, and the inland villages are also overrun with inhabitants. Large factories and manufactories are abundant and the whole country is getting to be fashioned after America and England.

Our Summary of Mining News.

GLEANED FROM VARIOUS EXCHANGES.

WASHOE.

The Justice Company continues to take out twenty-five or thirty tons of pay rock per day from its old shaft, and keeps sinking its new one deeper, it now being down 130 feet, and rapidly progressing, working day and night upon it. It is now being carried down in a very hard formation, and cannot therefore be sunk as rapidly as heretofore.

Knickerbocker Co.—This company continues work in both its upper and and lower shaft. The upper or old shaft is now 290 feet deep, and is much the deepest of any on the flat. It is being sunk deeper all the time, but the work on it is slow on account of the hardness of the rock. The company is running a drift from the lower shaft along on the water level, prospecting the ledge in this portion of its claim. The hoisting here is done by means of a whim as it is at the old shaft. The company has taken out some very good looking quartz this spring, but it is not now working in its ledge. It is considered to be one of the best claims on the flat, and at present it is having more work done on it than any of the companies whose claims are down that way, are doing on theirs.

A New Mill, for custom work, to be called the Summit Mill, is being erected by Messrs. Carville, Gashwiler and Mason, on the site of the old Gould & Curvillo Mill, (near the Ophir mine) which was burned down some time ago. The new mill will have twenty stamps; the foundation, of stone, is almost completed. The body of the building will be of wood, but will be much more substantial, and the whole mill building and machinery will be greatly superior to the old one. The proprietors expect to have this mill running within two months.

The Crown Point Company struck its ledge on the 29th ult., and since then has been taking out quartz for crushing. It has taken out two or three tons of white and blue silver-bearing rock, which is so common in Gold Hill proper, and which generally yields so well. The company has not taken out any pay rock before for about a year, and during that time the mill has been doing custom work. But its last custom work has probably been done, and the company will henceforth have all the rock of its own to crush, which its mill can work. The *Union* of July 2d, published three days after the strike, says:—"We were shown last evening, by Mr. Woodcock, Superintendent of the Crown Point mill and mine, a piece of ore that 'bangs' anything that we have seen in the country. It has been burned with borax, and was completely covered with globules of silver. The impression is that the Crown Point has now got as good a thing as 'any other man.'"

Crystal Peak is situated on the Truckee river, (Heaness Pass route,) about 30 miles distant from Virginia. There are now from forty to fifty houses in the town. Here are the coal fields of Nevada, which, if they prove as good as present appearances warrant, are to form no inconsiderable item in the wealth of the Territory. The Nevada company have developed a coal mine four feet in thickness, after running a tunnel in the hill forty feet. The Mudsill company have their tunnel in 220 feet, and are sinking a shaft. The vein of coal pitches about one foot to ten. Mr. Buel exhibits a specimen of coal from these mines, which very much resembles the anthracite. He says that on the 1st of March the coal in the dump-pile was set on fire, as an experiment, and that it is burning at the present day. They are also prospecting for the precious metals—the indications of silver being very encouraging. A company called the Truckee Ophir are at work for this purpose.

More Machinery.—The Belcher company has ordered a large new engine and boiler, which is to be put up at its shaft where the hoisting works were recently erected, and will be used to drive the pump. The engine which is now used is of 35-horse power, and at the present time performs both the hoisting and pumping. The Uncle Sam company has decided on procuring another engine, to use in connection with the one which is now working.

REESE RIVER.

The Nye County *News*, in speaking of the claims about Ione City, in Nye county, says: "Of the claims here most entitled to special notice, the Pleiades stands first; both, because of the size, regularity, and other external features of the ledge, the extent to which it has been opened and the large amount of rich ore it contains. The claim consisting of but eight hundred feet, was located by Messrs. Newman, Carpenter, Dudley, Smith and Bourn, who still own most of it. The ledge, as do most of those in the district, runs in a northerly and southerly direction. It is three and a half feet wide on top, and fully four feet at the bottom of the shaft now down ninety feet. It pitches at an angle of about sixty degrees, is as uniform in shape as a piece of masonry and bears all the features of a regular fissure vein. The company have now got out about sixty tons of first class ore, which will go from $250 to $300 to the ton, working process, and forty tons of second class that will yield about $125 to the ton. Some of this ore has worked up to $800 in the mills, while the assays have ranged from four hundred dollars to ten thousand. From the lowest point reached, the black, fine grained sulphurets, mixed with the chlorides of silver, are now being taken out in masses that prove this to be not only a rich but permanent mine. We know nothing about the prices this ground is held or sold at, or whether it is in the market, but should suppose if bought at $300 a foot there would still be a fine margin for profit. It is being diligently worked and will probably soon reach water level, when the quality of the ore will, no doubt, still further improve."

Bowery Tunnel, San Francisco Canon.—As water is reached in different places, whether in this or the adjoining districts, the same class of ore is found. In the Bowery claim in San Francisco Cañon a tunnel was run to the depth of twenty-five feet when the ledge was struck, from which point an incline was sunk to water level, obtaining a first class ore with ruby and native silver. The ledge is about fifteen inches wide.

Ozark.—The progress of development in the Ozark is rapidly going forward. The incline is now down 100 feet; there are several small veins in sight showing good ore, but not in paying quantities. There are 600 feet in the location, and as it is in the favorite locality of Upper Austin, great confidence is felt in its ultimate value by its owners.

Morgan and Muncey.—This claim is now raising large quantities of first and second class ore, keeping both the Union and Pioneer Mills engaged in crushing. The Union is crushing the first class and the Pioneer the second class ore.

Ruby.—An incline has been sunk on the Ruby lode in San Francisco Cañon, to the depth of one hundred feet, finding some very fine ore through a small ledge.

Bullion.—The total amount of bullion sent forward by Messrs. Wells, Fargo & Co., from Austin, during the month of June, was $40,776. The cause of such small shipment according to the *Reveille*, is that the mills have not been running, on account of building roasting furnaces; but in a few weeks they will all be at work, when they will send forward the whole amount weekly.

Another Stack.—The Oregon Mill Company, according to the *Reveille*, are now erecting a splendid brick chimney for their new roasting furnaces. It will be fifty feet high and quite ornamental to that portion of the city. They are also putting up quite a number of other substantial and useful improvements to their mill.

ESMERALDA.

The Esmeralda *Union* says that preparations are being made on a grand scale for working the Juniata and Magna Charta claims. As many men as can work in these mines advantageously are already employed, and a large number will be put to work as soon as the claims have been thoroughly opened. The company have already commenced sending rock to one of the mills for crushing and it is thought that as soon as these claims are well opened the parties owning them will be able to keep one or two good mills running constantly on their ore.

The Wide West company are laying in an immense quantity of wood and are making preparations for keeping their mill in operation during the summer.

The Empire.—A gentleman who works in this mine on Last Chance Hill, informs the *Union* that the ore coming out of the claim is very rich. The company have about fifty tons of rich rock out now which they have commenced hauling to a mill for crushing. It is expected to yield very largely.

Going to Work.—The Mutual Consolidated Gold and Silver Mining Company have levied an assessment and intend to resume operations in a short time. The Mutual is one of the finest looking ledges on Middle Hill, being large and well defined, and it contains some fine ore.

A Valuable Hint—Perhaps.—It is asserted that Irish moss or the silicate, arseniate of soda will prevent the incrustations on steam boilers. Six to eight pounds per week is sufficient for a forty or fifty horse power boiler.

OWENS RIVER.

The Owens River *Herald* in speaking of the mines of that region says:—The Eclipse is beyond all question one of the largest and richest leads in the country. The company is about breaking ground for the erection of a forty stamp mill. The "Ida" is thought by most persons who have inspected it equal to the best. The "Coso" lodes are immense we are informed—for we have not made a personal inspection of them—our informant believes that the working results will astonish the world. The "Blue Dragon" has excellent prospects. "Great Western," Keyes District, we have glowing accounts from this company. "Good Return" will be no misnomer in less than one year if present indications are half realized.

HUMBOLDT.

The *Register* says that the mining prospects of Humboldt never looked better than at the present time, and thinks there is not a community on the Coast where so large a portion of its numbers are actually employed. The miners are gradually working down 10, 15 or 20 feet deeper each week into the mountain's depth. A good many companies could already, by a slight change of work, go up in their shafts and tunnels and breast out large quantities of ore for milling; but as it happens most of these are remote from any mill, and they prefer to go deeper while more mills come in, and have their mine in shape for working a large force of men when the facilities for turning their raw metal into bars are better.

Manitowoc Bullion.—A small lot of second class ore, experimented upon, a few days since, turned out a bar of 94 ounces.

The Humboldt Salt Mine, says the *Register*, is showing signs of having emerged from the miserable condition in which bad management has kept it so long. Large quantities are now shipping, to Virginia, Reese River, and other points. One day last week 13 teams were loaded.

ARIZONA.

A correspondent of the Los Angeles *News* writes that everything is progressing favorably in that section of the Territory. The miners are busily engaged in prospecting and opening up their lodes, and taking out fine looking ore. Provisions were at times very scarce, but the means of transportation were improving. The miners were cheerful and satisfied, being well assured that their lodes were rich and bound to remunerate them for all their hardships. The date of the letter is May 14th, and the writer says that in a few days several tons of rich ore from the Hassayampa District, would be started *en route* for San Francisco, the astonishing richness of which would open the eyes of capitalists to their true interest, and cause them to hasten the development of the rich mineral resources of the Territory. The writer and several others are engaged in getting out two tons of ore for transportation to New York, to test its richness. A gentleman, trading between the district and Santa Fe, has proposed to take the ore overland to a shipping point, and from thence to New York, free of charge. Considerable confidence is felt that the result will prove highly gratifying to those who venture the experiment, and demonstrate unmistakably to the world the vast richness of Arizona.

Ore from the "Cosette."—Several hundred pounds of rich silver ore from the Cosette mine, La Paz District, Arizona, says the *News*, recently arrived at Los Angeles, for shipment to San Francisco. It is said to be very rich, lode well defined and extensive.

Renewed confidence is springing up in behalf of the Colorado; something new has "turned up" in the vicinity of Williams' Fork—claimants of mining ground, we notice, are looking closely to their interests in the last named locality.

HOLCOMB VALLEY.

This valley is located 50 or 60 miles a little north of east from San Bernardino. Late intelligence from there states that a large amount of work is now in progress; a number of lodes are being opened. The "Green" lode has proved rich beyond expectation. Work had been commenced by the Morongo company with the most flattering prospects, with a good force of experienced men, which would be increased as fast as room could be made by progress. The editor of the Los Angeles *Star* has seen some ore from this mine which comports well, in appearance, with ore from the "Argentine" of Santa Catalina, which assays some six hundred dollars to the ton. The work of taking out ore, construction of furnaces, putting the Morongo mill in order, etc., is progressing well; a report from the mine above named, in the form of bullion, may be looked for at any time after sixty days.

A lot of new and additional machinery was being received by Marshal, Walsh & Co., which they would erect immediately. Several new and rich discoveries are reported; among which is a mine of cobalt, and a vein of quicksilver.

SANTA CATALINA.

Reports from the mines in this Island are still highly favorable. The discoveries of silver, lead and copper are spoken of in the most enthusiastic manner, and it is stated that richer mines have been brought to light here than any man can form any idea of without personal inspection. Large quantities of ore have been sent to this city, and should the expectations formed regarding it be realized, machinery will soon be taken down to the island. A mill on the island would be a most important agent in developing the resources of the locality. Such a means of testing the ore is greatly desired by the miners, and would doubtless be a profitable investment of capital.

A Cricket War.—Some few weeks since, there was a sudden appearance of immense numbers of crickets on the south side of Spanish Fork, near Salt Lake. They appeared in such numbers that there was imminent danger of a total destruction of the entire crop from their fearful visitation. In this emergency the people turned out *en masse*—men women and children—and with bunches of willows drove the main body of the crickets up Water cañon, down which they did not afterwards venture. A detachment of the crickets at the same time crossed the river, preyed several days upon the willows and bottom grass, and had consumed two fields of wheat, when the people, to the number of six hundred persons, went to work herding and driving the insects until they corraled them upon layers of straw, where they burned them by the million. The operation of driving and burning occupied nearly three days and nights, and twelve loads of straw were consumed and an innumerable host of the enemy were destroyed. This lesson is too good to be forgotten, should they appear elsewhere.

It may not be without importance in California, where our ranchmen are frequently invaded in precisely the same manner by grasshoppers and locusts, which make their way from place to place, mostly upon the ground, destroying everything green within their reach—fruit trees not even escaping.

Gold Hill Mines.—The Eclipse Company are giving their works a thorough overhauling. They are putting in two new and powerful engines. If possible, they will have all ready for a new start shortly after the Fourth.—The Empire Company are taking out a large amount of rich ore. They are finding a considerable amount of water, but are able to keep their works drained by means of a hoisting tub. Both of their mills are in operation.—The Imperial Company have lately found it necessary to make some slight repairs in their machinery, though of no great importance.—Some very rich silver ore has just been found in the Crown Point. When treated with borax in a common forge, globules of silver are drawn out and completely cover the ore.—The Crown Point Ravine Company have a fine well timbered shaft down some forty feet or more.—The Belcher Company have ordered a new 30 horse-power engine, which will be used for driving a pump—they have a 35-horse power engine, which now does both the pumping and hoisting.—The New Oregon Company have the framework of their new hoisting works about completed. They will soon have their machinery in operation.—The Knickerbocker Company, American Flat, are sinking upon two shafts; the deepest of these is now down 290 feet.—The Uncle Sam contemplate the purchase of another engine, the one at present in use being insufficient to do all the work required to be done.

Cheap and Novel Cooking Arrangements.—The residents in the neighborhood of the hot springs of Smoky Valley, according to the Reese River *Reveille*, have a cheap and convenient way of doing their cooking. The water coming up out of the great depths of the spring seems to be much hotter than water boiling in the open air. Those residing in the neighborhood habitually use it for cooking everything that is done by boiling. Coffee and tea are almost instantly made by using the water direct, while meat, and that miners luxury, beans, suspended in a kettle or sack are cooked with dispatch and no danger of scorching. Lately the experiment of baking was tried, the modus operandi being to suspend the bake kettle or oven in the water, with the dough in the oven well covered, and leaving it for a few hours when it was found baked in the very neatest manner, not having the dry hard crust as when baked by a fire. There are no need of fires at the springs, as all cooking and warming is done by the natural heat. This great curiosity is about fifty miles south of Austin, and will some day become a place of much resort.

Persons living in cities begin to wear glasses earlier than country people, from the want of opportunities of looking at things at a distance. Those who wish to put off the evil day of *spectacles*, should accustom themselves to long views. The eye is always relieved, and sees better, if after reading awhile, we direct the sight to some far distant object, even for a minute. Great travellers and hunters are seldom near sighted. Humboldt at eighty-seven could read unaided. Sailors discern objects at a great distance with considerable distinctness when a common eye sees nothing at all.

Mining and Scientific Press.

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San Francisco:

Saturday Morning, July 9, 1864.

THE GOLDEN AGE AND EMPIRE have received another remittance of $4,294 from their mines —the returns from a lot of second class ore.

AN EQUESTRIAN STATUE of Washington is to be erected in the Public Garden at the foot of Boston Common. It will cost $20,000, which will be raised by subscription.

HON JOHN CONNESS will please accept thanks for a large number of valuable public documents received per Golden Age. Mr. Conness has telegraphed to his friends in this city that he will leave New York on the 13th inst., *en route* for California.

THE OWEN'S RIVER HERALD is the name of a semi-monthly recently started at Bend City, Coso county, California, (the Owen's River region). It is published by L. W. Ransom & Co., proprietors of the Visalia *Delta*.

THE WASHOE HERALD is the name of a new evening daily paper which has reached us from Silverland. It is published by Messrs. Fitch & Bennett, in Virginia City, and is a large and well filled sheet. Its editorial department exhibits both industry and ability, and will ever be a welcome visitor to our table.

VILLAINOUS.—W. E. Robinson, broker, of the firm of W. E. Robinson & Co., 536 Washington street, absconded on the last steamer for the east, robbing his partner of all his funds, and falsely obtaining money from outside parties to the amount of several thousand dollars. His partner, J. R. Megarrigle, we have known as a practical and intelligent miner in Plumas county, whose honesty is without taint.

MEXICAN MINING LAWS.—We have received from Ralph Emerson, Esq., a copy of the "Mining Laws of Mexico and Spain, and Statues of California, relative to Joint Stock Companies." This useful little work has been carefully compiled and translated by Mr. Emerson, an eminent professor of languages, in this city. The work is published by A. Gensoul, 511 Montgomery street.

AN IRON FLAG.—Messrs. Coffey & Risdon, boiler makers, on Market street, have placed over their works an immense iron flag, which will be kept "floating" to the breeze day and night, in storm and calm, the full year round. This flag is made of light boiler iron, and gives a fair representation of our national ensign, with its legitimate number of stripes and stars. It is placed upon an iron staff, which turns on a pivot, the flag acting as a vane. May it ever wave.

STATE GUARD CADETS.—The officers and members of the State Guards, a military organization in this city, have taken steps to form a company of Cadets, to consist of boys from 14 to 18 years of age, who are to be called the "State Guard Cadets." A circular setting forth the plan and object of the movement has been circulated, in which it is set forth that "the military drill for boys is fully equal to any gymnastic exercise as a means of physical culture, and is more conducive to a taste for and knowledge of practical military duties in after life. The drill has indeed been adopted in some of the public schools of the East in preference to gymnastics, and is found to produce erect, graceful bearing, and habits of prompt obedience. The State Guard prohibit the use of intoxicating liquors and vulgar and profane language by their own members, and would require compliance to this rule from the Cadets." The project should be received with favor.

MINING SHARE MARKET.

The Mining Share Market has been less active the past, than the previous week. With but two or three exceptions, every stock which has found a buyer during the week, has done so at a decline from previous quotations. No relief to the depressed condition of the market is yet apparent. We append our usual remarks.

Gould & Curry has been less active than last week, closing on Saturday last at $1,635, it advanced to $1,850 on Wednesday, since which time it has gradually dropped to $1,600, closing at last evening's board—and $20 below that of one week since. One hundred and thirty-nine feet have changed hands. A dividend of $50 per foot was declared on Saturday last, leaving a large balance to be carried forward.

Ophir has met with a small but uniform sale at $730 per foot, at which figure seven feet have changed hands. This stock still appears to be firmly held.

Challar has been more quiet. Selling on Saturday last at $400, it advanced to $415 on Wednesday, and still further to $425 at yesterday's board.

Savage has met with three purchasers during the week, each at $1,150—five feet sold.

Potosi has still farther declined, closing at $900. Ten shares sold on Wednesday at $1,000, eight on Thursday at $925 and 59 yesterday at $900@950, closing at the former figure.

North Potosi still continues quite active, but at declining rates; 260 shares have changed hands at from $47½@55, closing at $50.

North American has been less active than last week, but is still sold at fluctuating rates; opening on Saturday at $62½, it reached $75 on Wednesday, but dropped to $60 at its closing sales yesterday.

Imperial has met with but a single transaction, of 10 shares, at $148, seller 30 days, a slight decline from the closing figure of last week. This stock is firmly held.

Belcher, a company seldom heard from of late, has found a single buyer the past week at $1,050. When last heard from it was quoted $900.

Yellow Jacket has met with a considerable advance from last week's quotations. We notice but two transactions, each at $800.

Golden Age & Empire has receded to $17, with but little business however.

Burning Moscow has still further receded. It maintained a uniform price of $20 till yesterday, when a seller was found at $19.

Bullion. G. H., has declined from $65 to $50, with an increase of business; 121 shares have changed hands.

Melones has improved from its last week's figure of $12 to 20, at which rate we notice a single transaction, on Tuesday.

Lady Bryan has suddenly dropped from $24 to $10½, at which figure it closed, yesterday. Closing with our last report at $24, it sold for $20 on Tuesday, since which time it has gradually declined to the above mentioned closing figures; 1,147 shares have changed hands during the week.

Baltimore American, which was not heard from last week, has met with a light business at from $45 to $47½. Two weeks since it was quoted at from $40 to 50. Under the circumstances this stock may be considered as pretty firmly held.

Nevada, J. G., has dropped from $50 to $24. This stock has met with but a slight business for several weeks past. But ten shares have changed hands the past week, at from $24@25.

Empire Mill & Mining Co. met with a small business three weeks ago at $800; last week it was quiet; we notice two transactions, of one share each, this week at $700.

Wide West still continues at last week's figures, $10@$11. The recent reports of an improvement in the deep incline of this vein, are fully substantiated by a published letter from the secretary.

De Soto, Humboldt, has been heard from the past week at $12½.

THE BLUE LEDGE—EL DORADO.—It will be remembered that the company owning this ledge, started up their new mill a few weeks since, with a result quite different from what had been anticipated. A subsequent investigation satisfied the company that the entire operations of both the mine and the mill had been badly managed. About 200 tons of rock had been put through the mill, which consists of twenty stamps, twelve pans and six separators. Some thirty flasks of quicksilver were employed in charging the pans, about *two-thirds of which was lost*. The loss was attributed to the imperfect construction and management of the separators, which were got up by the superintendent himself. After a brief enquiry into the matter, a change in the management of the mine was promptly effected. The new superintendent, Mr. Wm. S. Moses, is now on the ground. A set of Varney's separators has been ordered, and as soon as they are put up the mill will be again started. The superintendent writes hopefully of the next attempt to start the mill. The extraordinary loss of quicksilver fully accounts for the failure of the rock to come up to the expected standard. The confidence of those best acquainted with the mine has not been shaken by this preliminary failure. An assessment of $1.50 per share has been levied upon the capital stock of the company to pay off the indebtedness and make the contemplated changes in the mill. The new separators have already gone up, and the superintendent hopes to be able to start about the middle of next week. It is known that good ore has been struck in one or more of the shafts, but owing to the unskillful manner in which the work has been done upon the mine, the company are as yet quite uncertain as to the nature and extent of their vein or, indeed, whether they have any well defined vein at all. Important developments, however, are confidently expected in shaft No. 5, which is now down about 60 feet, near which point they have struck good ore.

QUITE A NOVELTY, in the way of procuring aid for the Sanitary Fund, was brought out at the San Andreas Fair, on the Fourth of July. A human figure, of a somewhat grotesque construction and dress, was devised by an ingenious artist, of that place, which stood with outstretched palm in begging attitude, and with mute eloquence solicited contributions from the passers by. No sooner was a piece of coin placed in the hand of the figure, than its mouth opened, the head dropped back a trifle, the hand came up and the coin was suddenly transported to the mouth. The novelty of the thing attracted much attention, and brought out many a dollar from the curious observers which would otherwise have been held back. The capacious stomach of this new Sanitary agent was pretty well filled during the day. An interesting young lady stood continually by the side of the image, and gently touched a secret spring as coin after coin was placed in the open palm, by which the same were promptly deposited beneath the vestments of the grotesque figure. Even the primitive Diggers, a large delegation of whom were present, could not resist the temptation to deposit their long and short bits, to see how promptly and comically they were spirited away. We understand that the image will be placed in the forthcoming Industrial Exhibition in this city, to repeat its benevolent efforts in behalf of the good work for which it was designed by its ingenious inventor.

NEW QUARTZ MILL.—Parties from Sacramento, says the Alpine *Chronicle*, have recently passed through our mining district for the purpose of examining our mines and satisfying themselves as to the wealth of our country. They are so well pleased with our prospects that a contract has been entered into with parties at Silver King for the erection of a building for a steam quartz mill, at that place.

"PUNDIT" in reply to "F. A. H." on his theory of the mines of the Sierra Nevada, has been received and will appear next week.

REGULAR mail communication is now established between Idaho City and Salt Lake.

BRIEF MENTION.

SAN FRANCISCO.

THE steamer Golden City sailed on Monday, carrying $1,195,000 treasure and a large number of passengers.

THE EVER GLORIOUS FOURTH was celebrated with immense enthusiasm, in this city. The procession, decorations, and fireworks, were all worthy of the place and the occasion. Thousands of visitors from every part of the State, thronged the streets. No accidents occurred to mar the general enjoyment of the day.

THE JOSEPHINE QUICKSILVER MINING CO. have filed notice of intention to remove their place of business from San Louis Obispo to San Francisco.

E. L. BRITTINGHAM and OSCAR L. BOYN, both well known citizens, died suddenly, on Wednesday.

DR. H. B. HOSMER was knocked down and robbed, on Post street, on Tuesday evening. The robbers, among other *booty*, took even the Doctor's boots. These must be the same insane thieves who broke into the rooms of a jour. printer, on the same night, in the vain hope of finding something valuable.

A LITTLE GIRL, named Hattie Owens, was run over by a baker's wagon, on Wednesday morning, and instantly killed. The funeral of the poor little child was very largely attended.

A DRUNKEN SOLDIER, named John Barrett, killed John McGowen, in a saloon, on the corner of Clay and Kearny streets, one night this week.

THE "Captain Henry M. Ingraham," who, assuming to be a Confederate officer, headed the gang who robbed Wells, Fargo & Co.'s treasure wagon, turns out to be John Poole, late Sheriff of Monterey county. He has been arrested by the military authorities and will doubtless meet his deserts. Poole was also one of the Chapman pirates.

AN ATTEMPT was made on Thursday morning last to blow up the safe of Mr. E. H. Shaw, Secretary of the Harmon and Armagoza Mining Companies. The safe was blown to pieces, but the robbers got nothing for their pains.

LEARNING is like mercury, one of the most powerful and excellent things in the world in skillful hands; in unskillful, the most mischievous.

AN acre of ground sown with hanannas, it is said, will support more than fifty persons; the same amount of land sown with wheat, in Europe, will only support two persons.

SIMPSON & PIERCE, near Smartsville, Yuba county, have cleaned up from their claims on the Blue Gravel lead, since the 15th of March, about $70,000.

NEW YORK is filled with small pox. Its form is virulent; that of the genuine confluent disease. In some cases, bodies have been buried in wrappers, having lost nearly all shape and cohesion.

NEW and rich quartz fields have been discovered somewhere between the Middle and South Boise Rivers.

NEW YORK expects to receive a quarter of a million of emigrants the present year. Boston will receive half as many more.

FOURTH JULY ACCIDENT.—At Folsom, on the 4th, a man whose name is not given, while firing a salute, lost an arm by the premature discharge of a cannon.

More than two hundred millions of dollars have been contributed to philanthropic objects in this country since the war began.

A VEIN OF GOLD has been discovered at some depth in a garden at Worthing, Sussex, England. Both gold dust and gold bearing quartz were found.

WHEN prosperity was well mounted, she let go the bridle and soon came tumbling out of the saddle.

THREE of the largest brains in modern times were those of Drs. Chalmers and Abercrombie, and Mr. Thackeray; all of whom died suddenly and alone in bed.

MORNING AIR.—It is a common and favorite notion with many people that the morning air is the purest, most bracing; but the very opposite is the fact. The air is more full of dampness, fog, miasma, about sunrise, which the sun, however, soon dissipates. Before engaging in anything like exercise or work in early morning out of doors, it is conducive to health to take a warm cup of coffee, if breakfast is not to be had.

THE OPEN SESAME MINING CO.—The mines of this company are located on the flanks of Mount Diablo, and consist of thirteen locations, on as many different lodes. The principal part of the work thus far done, has been confined to three locations—the San Pedro la Verdad, the White Diamond and the La Feliz. Upon the former, two tunnels have been sunk, developing good ore, most admirably located for taking out rock. Upon the La Feliz, located about 300 feet distant from the first mentioned, work is now being actively pressed, and a considerable quantity of ore is already upon the dump. A lot of 92¼ lbs of this ore, was taken, unassorted, and worked in Farrand's amalgamator, on Commercial street, in this city, and yielded, according to report, at the rate of $156 to the ton. A tunnel has been commenced at the White Diamond, developing a promising ledge, but from which only a small quantity of rock has yet been taken.

The ledges belonging to this company have recently been examined by L. K. Lamson, as an expert, from whose report we condense. Mr Lamson expresses the opinion that a thirty stamp mill can be kept busy upon rock, which can be taken from these mines, and that the rock is of a good paying character. The company has levied an assessment of $1 for every share of ten feet, the proceeds of which are to be applied to the construction of a mill near the mines of the company.

SCIENTIFIC EXPEDITION TO EASTERN ASIA.—For some time previous to the adjournment of Congress, a project for a scientific expedition to Eastern Asia, to be conducted by a competent commission, was before that body. The project was supported by such respectable influences as the New York State Agricultural Society, and the American Institute. It appears to have been publicly suggested by Dr. J. Maegowan, who has resided in that part of the world some years.

We have no doubt that a really practical commission might be of great benefit to the country explored, and the commercial world generally. It will be of most especial advantage to California, in the way of still further increasing the already important trade between this coast and that important portion of the globe. California would hail such an expedition with especial favor; but we presume that Congress, which has now adjourned, refused to employ the people's money for any such outside purpose in our present emergency. Government needs all the money it can command for its present exigency. When the war is over, such a project will doubtless be received with much favor both by Congress and the people.

INCREASE OF GAME.—It is said that in consequence of the departure for the war of such a large proportion of men who are accustomed to the use of the rifle that game of all descriptions has multiplied wonderfully within the past three years in the New England States. Many trout brooks in Massachusetts which were supposed to be barren of this luscious fish, are now filled with them. Deer have been left unmolested so long that in Western New York they approach very near the habitations.

OWENS RIVER MILLS.—There are now six mills in the Owens River Region, viz: In Coso District, two, one belonging to the Josephine, and one to the Willow Springs Companies; in Russ District, the Union and Ida Mills; one at San Carlos, Inyo District; and the Coso Mills, in Blanche District. There was one, also, in the White Mountain District, but it has been pretty much destroyed by the Indians.

HALF of the Vermont state agricultural college scrip is now sold, and the funds realized are invested in Vermont State bonds worth $130,000. This makes the endowments of the college unexpectedly large.—*Ex.*

When will California begin to reap the advantages to be derived from the government appropriation set apart for her benefit?

A miner by the name of Joseph McCoy was instantly killed at a coal mine near Crystal Peak, a few days since, by being precipitated to the bottom of a shaft forty feet deep.

New this Week.

Point Arena Petroleum Mining Company.

The Stockholders of the Point Arena Petroleum Mining Company are hereby notified that, by order of the Board of Trustees, there will be a meeting of the Company held at the Secretary's office, Room 28 Government House, corner Sansome and Washington streets, San Francisco, on the ninth day of August, 1864, at 7½ o'clock, P. M. A full representation of stock is requested, as important business is to be transacted. Attest, D. S. CUTTER, Secretary.

San Francisco, Cal., July 7th, 1864. 2-5t

Enterprise Copper Mining Company, Empire

Ledge, Garden Bar District, Placer County.

Notice is hereby given, that the office or principal place of business of the above Company will be removed on the 15th day of August next, to Lincoln, Placer County.

M. O. ELMORE, Secretary.

San Francisco, July 9th 1864. Office 645 Clay street. 2-4t

Eureka Mill and Mining Company, Big Creek

District, Lander County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of July, 1864, an Assessment of Three Dollars and Fifteen Cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Monday, the 8th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees. N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco.

The advertisement of stock delinquent, on the above assessment, is postponed until August 13th, 1864, and the sale thereof is postponed until August 27th, 1864. By order of the Board of Trustees. (2-5t) N. DUPERU, Secretary.

Clinton Gold and Silver Mining Company,

Reese River District, Lander County, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 2d day of July, 1864, an Assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 2d day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the company, No. 25 Montgomery Block, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 26th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. G. APPLETON, Secretary.

Office, No. 25 Montgomery Block, San Francisco. 2-4t

Daniel Webster Gold and Silver Mining Com-

pany, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of July, 1864 an assessment of twenty cent per share was levied upon the capital stock of said company, payable on the 6th day of July, 1864, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 8th day of August, 1864, will be advertised on the 13th as delinquent, and unless payment shall be made before, will be sold on the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

JOHN J. SCOTCHLER, Secretary

Office, 204 Front Street, San Francisco, Cal.

July 6, 1864. 2-4t

Dane Gold and Silver Mining Company, Es-

meralda.

Notice is hereby given, that at a meeting of the Board of Trustees of the Dane Gold and Silver Mining Company, held on the 5th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 8th day of August next, will be advertised on that day as delinquent, and unless payment be made before, will be sold on Saturday, August 20th, 1864, at 12 M., at the office of the company, to pay assessment, advertising, and expense of sale. By order of the Trustees.

EDWARD CONNER, Secretary.

Office, 607 Washington Street, July 9. 2-4t

Enterprise Copper Mining Company, Empire

Ledge, Garden Bar District, Placer County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessments levied on the 20th day of September, 1863, and the 12th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

ASSESSMENT LEVIED SEPTEMBER 20TH, 1863.

Names.	No. Certificate.	No. Shares.	Amt.
Thomas Donahue	66	15	$1 50
John M. Cannon	53	25	2 50
John Cochran	52	25	2 50

ASSESSMENT LEVIED MARCH 12th 1864.

Thomas Donahue	66	15	7 50
John M. Cannon	53	25	12 50
John Cochran	52	25	12 50
Alfred Bateman	5	100	bal 30 00
	75	25	12 50
Wm Harris	6	200	100 00
	56, 57, 58, 59, 60, 61, 62, 63, each 25 shares.	200	100 00
James P Dameron	46	100	50 00
J Daly	65	10	bal 4 00
G W Meloney	67, 69	ca 10 shs 20	bal 80
Bechler & Schwartz	99	34	bal 10 20
Abell & Evans	8, 9,	ca 100 shs 200	bal 45 50
D Eisner	10	133	bal 26 60
J Krone	13	133	bal 39 90
W C Putnam	15	200	bal 40 00
E F White	32	100	
	33, 34, 35, 36	ea 25 shs 100	bal 60 00
P Robinson	37	100	
	38	50	
	39, 40, 41, 42 43,	ea 10 shs 50	bal 60 00
Wm Davis	54	25	bal 10 00
J E Kincaid	55	25	bal 10 00
E Livermore	87, 88	ca 50 shs 100	bal 4 00
M Berkowitz	89	50	bal 2 00

And in accordance with law, and an order of the Board of Trustees, made on the 21 day of July, 1861, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 645 Clay street, San Francisco, Cal., on the 9th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. M. G. ELMORE, Secretary.

Office, 645 Clay Street, San Francisco. 2-4t

La Marroneau Silver Mining Company.—Triun-

fo District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 10th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J M Kauff	3, 159	33 18 22	$100 00
J H Welch	4, 166	24 8 22	121 81
A H Phelps	5	8 2-22	15 46
J W Sargennt	8	27 0 22	138 38
Timothy Sargennt	9	13 14 22	68 22
J J Todd	11, 168	28 14 22	143 22
C A Purrinton	12	13 14 22	68 22
W P Peck	72	0 18 22	34 10
G W Botts	88	8 18 22	44 10
Geo W Lillie	16	13 14 22	08 22
R C Jacobs	123, 124, 131	28	140 00
Almon a Sammis	10	2 10 22	12 30
Chas J McDougall	22	7 8 22	36 84
C McDougall	23	20 10 22	102 30
D W Voorhies	24	5 10-22	28 68
F G Norman	167	11 14-22	58 22
J C Eldridge	93	0	3 00
J D Thompson	28	20 0 22	102 30
Miss M A Phillips	157	21 6 22	106 55
B A Bidlack	33	13 14 22	08 22
Miss Eliza Taylor	34	6 18 22	34 10
Edson Sammis	58	19 16 22	98 88
Mrs Chas E Brownell	154	5 14-22	28 22
Jas F Borland	30	6 18 22	34 10
L C Grey	105, 106	4 10 22	23 65
J Frank Philips	111, 112 113 114, 115, 116, 117	15	75 00
John Bach	128	2	10 00
W G Phillips	163	4	20 00
Thos J Haynes	130	18	90 00
H W Snow	148	1	5 00
James Carroll	153	3	15 00
Samuel Adams	150	2	10 00
P G Sparks	130	1	5 00
H K Curtiss	158	3	16 00
H O Howard	101	5	25 00
Frank C Snow	104	2	10 00
Ellen M Burns	180	3	15 00
Mrs P J Adams	150	3	15 00
Wm F A Brenenstuhl	190, 192	7	35 00
O F Tibbetts	14	0 18 22	34 10
P Van Pelt	40, 62	12 10 22	62 30
John Todd	41, 90	8 14 22	33 22
David Ross	42	7 20 22	30 50
Susan E Thorne	44	8 4 22	40 60
A R Wheat	46	13 14 22	68 22
Gilbert Palache	47, 91	23 18 22	119 00
D S Lord	48, 188, 189	34 1 22	170 22
A J Ralston	40	6 3-22	30 60
Geo A Moore	51, 56	2 21-22	14 77
Maria O'Brien	52	2 10-22	12 28
E S Cressy	53	8 4 22	30 90
Edgar Wakoman	64	6 18-22	34 10
Caroline Smith	57	1	6 00
E G Mathews	80, 70, 162	5 0 22	31 37
Mrs M H Phillips	120, 191	10 11-22	62 50
S C Peck	72	3 9 22	17 05
H T Tilden	73	3 9-22	17 05
Wm Crocker	87	6 18-22	34 10
H M Newhall	89	7	35 00
E B Gifford	05	7	35 00
Rosanna Quinn	97	3 2 22	15 44
James Delany	98	3	15 00
Chester Sabin	100	4 1-2	22 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on SATURDAY the 23d day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

OEO. L. FAULKNER, Secretary.

2 Office, of the Company 411 Olay St., San Francisco.

Imperial Gold and Silver Mining Company, Lo-

cation, San Francisco District, A. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the above named company, there will be sold at public auction, at the office of the company, No. 410, Montgomery street, San Francisco, on Tuesday, the 2d day of August, 1864, at 2 o'clock P. M., to the highest bidder for Cash in United States Gold Coin, so many shares of the Capital stock of said Company, standing in the names of the following persons, as will be necessary to pay the assessment now due and delinquent thereon, together with all costs accruing for advertising sale, etc.

Assessment No. 1 of 50 cents per share, Levied March 17, 1864.

Names.	No. Certificate.	No. Shares.	Amount.
John Chapman	6	15	$7 50
John Chapman	10	10	500
John Chapman	11	10	500
John Chapman	12	25	12 50
John Chapman	13	25	12 50
John Chapman	14	25	12 50
John Chapman	33	25	12 50
John Chapman	34	5	2 50
John Chapman	35	5	2 50
John Chapman	47	50	25 00
John Chapman	48	50	25 00
John Chapman	65	5	2 50
John Chapman	08	5	2 50
John Chapman	87	5	2 50
John Chapman	68	5	2 50
John Chapman	70	5	2 50
John Chapman	71	5	2 50
John Chapman	72	50	25 00
John Chapman	73	50	25 00
John Chapman	74	50	25 00
John Chapman	76	10	25 00
John Chapman	76	25	12 50
John Chapman	77	25	12 50
John Chapman	78	25	12 50
John Chapman	70	25	12 50
John Chapman	80	10	5 00
John Chapman	81	10	5 00
John Chapman	82	10	5 00
John Chapman	83	10	5 00
John Chapman	84	50	25 00
John Chapman	80	20	10 00
John Chapman	87	20	10 00
John Chapman	88	20	10 00
John Chapman	89	20	10 00
John Chapman	90	20	10 00
John Chapman	05	50	25 00
John Chapman	96	50	25 00
Rodney Clark	107	500	250 00
Rodney Clark	108	340	170 00
Rodney Clark	109	50	25 00
Charles A Heetel	17	50	25 00
Charles A Heetel	18	50	25 00
Charles A Heetel	19	50	25 00
Charles A Heetel	20	50	25 00
Charles A Heetel	21	50	25 00
Charles A Heetel	22	50	25 00
Horace Little	52	50	25 00
Horace Little	53	50	25 00
Horace Little	54	50	25 00
Horace Little	55	50	25 00
Horace Little	56	50	25 00
Horace Little	57	50	25 00
James Rea	03	50	25 00
M M Johnson	28	10	5 00
P Ford	30	25	12 50
M Parker	32	25	12 50
J. Teese Jr	106	5	2 50
J T Godfrey	123	5	2 50
A E Tiffany, stock not issued		300	150 00

L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street, Room No. 6. 2-4t

Mount Eden Mining Company—Owen

Ledge—Gold Hill District, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Albin L	11	10	$5 00
Adriensen F C	1	5	2 50
Bauer A J	23	10	5 00
Bauer A J	24	10	5 00
Bauer A J	25	6	2 50
Barker S	74	20	10 00
Chisholm John	105	10	5 00
Chisholm John	121	5	2 50
Caldwell Wm B	136	20	10 00
Caldwell Wm B	137	20	10 00
Caldwell Wm B	138	10	6 00
Geekum Jas A	131	10	5 00
Grier John W	128	10	5 00
Harmon John B	79	10	5 00
King Lewis C	95	5	2 50
King John L	90	5	2 50
Kingon Arthur	120	20	10 00
Maige P	46	10	5 00
Maige P	47	10	5 00
Maige P	48	5	2 50
Payot Henry	6	10	6 00
Payot Henry	7	15	7 50
Rutenberg J H	12	10	5 00
Rutenberg J H	13	10	6 00
Ricard A	17	10	5 00
Shimen J L	133	10	5 00
Victor F	33	10	5 00
Wood S Hebor	90	5	2 50
Libby J G and L W Cnrr, not issued		250	125 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of John Middleton & Sons, No. 400 Montgomery street, San Francisco, on Monday, the 25th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

H. B. CONGOON, Secretary.

Office, No. 620 Washington street, (Room 3) San Francisco. 2-3t

White Mountain Consolidated Gold and Silver

Mining Company. Location, White Mountain District Mono County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the Capital Stock of the above named Co., the 6th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount
Atwood E A	not issued	0	$1 35
Arnold Ames	not issued	28	3 10
Ayres Washington	not issued	53	7 95
Albert John	not issued	48	7 20
Burke M J	not issued	28	3 00
Billington S W	not issued	27	4 05
Billings E P	not issued	53	7 95
Bodwell H H	not issued	28	3 00
Bennett Chas H	not issued	5	75
Caswell Allen	not issued	159	23 85
Cutter A S	not issued	53	7 95
Farran J W	not issued	53	7 95
Hill Benj	not issued	63	7 95
Hadley D L	not issued	53	7 95
Hollub A	not issued	53	7 05
Hodge Wm	not issued	100	15 00
Knox Geo T	not issued	26	3 90
Lowell N R	not issued	185	27 75
McNerney John	not issued	100	15 90
Norcross D C	not issued	27	4 05
Nunan Edw	not issued	53	7 95
O'Connor P J	not issued	53	7 95
Spencer A G	not issued	53	7 05
Skidmore W A	not issued	53	7 05

And in accordance with law, and an order of the Board of Trustees, made on the 6th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23d day of July, 1864, at the hour of 1o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.

2-2t Office, 416 Washington stroot, San Francisco.

Cedar Gold and Silver Mining Company.—Mine

located in Esmeralda District.

NOTICE—There are delinquent upon the following described stock on account of Assessments levied on the 20th and 21st days of May, 1864, the several amounts set opposite the names of the respective share-holders, as follows:—

Names,	No. Cert.	No. Sh's.	Am't,
L Quint,	2	17	$17
W A Carroll,	3	17	17
D Hardy,	10	8	8
D Hardy,	12	6	6
J H Warwick,	14	6	5
J F Barss,	15	10	20
J F Barss,	16	10	10
J F Barss,	17	10	10
H McKinnon,	18	20	20
D O Cutter,	19	10	10
B O Cutter,	48	25	25
D H Haskett,	23	15	15
C A Wilos.	25	10	10
C A Wiles,	26	15	15
A Boulton,	27	10	10
D O Travis,	28	10	10
Uriah Miller,	29	10	10
Uriah Miller,	30	9	9
Warren Norton,	31	12	12
A McLaughlin,	32	12	12
David Walker,	33	10	10
P. Evarts,	35	25	25
Louis Landsborger,	36	10	10
P McGovern,	37	17½	17½
W S Runyon,	24	25	25
W S Runyon,	38	20	20
W S Runyon,	39	5	5
D G Francis,	41	5	5
D O Francis.	42	5	5
T E Dorr,	44	5	5
T E Dorr,	43	15	15
Myron Sheldon,	45	12	12
John Ives,	46	7½	7½
H S Sanders,	49	50	50
H S Sanders,	50	10	10
H S Sanders,	51	10	10
H S Sanders,	52	10	10
H S Sanders,	53	8	8
C P Rutherford, stock not issued,		353½	353½

And in accordance with law, and an order of the Board of Trustees, made on the twentieth day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at Public Auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 6th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

T. L. BIBBINS, Secretary.

26-4t Office 302, Montgomery Street, San Francisco.

POSTPONEMENT.—The above sale is postponed to Monday, the 18th day of July, 1864, at the same hour and place. By order of the Board of Trustees.

2-2t T. L. BIBBINS, Secretary.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

THE BANK OF CALIFORNIA.

INCORPORATED UNDER THE LAWS OF THE STATE.

Capital Stock, (Paid up in Gold Coin,)..$2,000,000.

WITH THE PRIVILEGE OF INCREASING TO

$5,000,000.

STOCKHOLDERS.

SAN FRANCISCO.

D. O. Mills, Wm. C. Ralston, R. S. Fretz, J. B. Thomas, Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. O. Earl, Wm. Norris, J. Whitney, Jr., O. F. Giffin, A. J. Pope,
Herman Michels, Frederick Billings, George H. Howard, H. F. Teschemacher, A. Haywood, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Henry, J. C. Wilmerding, Wm. Alvord.

PORTLAND, OREGON.

Jacob Kamm.

D. O. MILLS, Pres't. WM. C. RALSTON, Cash'r.

Correspondents in New York, LEES & WALLER, No. 33 Pine street.

Correspondents in London, BANK OF LONDON.

THE UNDERSIGNED GIVE NOTICE THAT THE ABOVE named corporation has been organized for the purpose of carrying on the Banking and Exchange Business, in all its branches, in this City and with the interior of this State, the neighboring State and Territories, and with Mexico; also with the At antic Cities, Europe, China, and the East Indies; for which they are provided with amp e facilities, and in conformity with articles of association will commence operations on the fifth day of July next, at the Banking House now occupied by Donoue, Ralston & Co., corner of Washington and Battery Streets.

With the view of giving to the business of the corporation all the efficiency and promptitude of a private banking firm, together with that confidential seclusion of private business matters so generally desired, the immediate management of its affairs is committed exclusively to D. O. Mills and Wm. C. Ralston as President and Cashier respectively, to whom, or either of them, the customers of the Bank will apply in all business matters. The regular meetings of the Board of Trustees will take place monthly.

The undersigned deem it advisable to call particular attention to the following peculiarities of their organization, which are positively binding on all its members:

First.—Sales of its Capital Stock can be effected only after due appraisement by Stockholders selected for that special purpose; and the Trustees of the corporation have, in all cases, the right to become purchasers of the Stock appraised at the appraisement, for the benefit of the remaining Stockholders. This restriction is printed upou each Certificate of Stock.

Second.—Loans cannot be made to Stockholders, except upon collaterals other than their Shares in the Capital Stock of this Bank.

Trustees:

D. O. Mills, Louis McLane, Wm. Norris, Jno. O. Earl, Herman Michels, W. C. Ralston, J. B. Thomas, Thos. Bell, A. J. Pope, O. F. Giffin, Jas. Whitney, jr.

San Francisco, June 18th, 1864. 26-1m

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly of the city of New York, and Joseph A. Donohoe, Wm. C. Ralston, and Ralph S. Fretz, of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO, San Francisco, will cease on the 1st day of July 1864. Eugene Kelly and Joseph A. Donoboe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly, and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the banking house of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, attorney,)
JOSEPH A. DONOHOE,
WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 13, 1864.

THE UNDERSIGNED, OALLING ATTENTION TO THE nbove card, give notice that on and after the first day nf July next, they will continue the business of the above copartnership wltbout interruption, at tbe old banking house of Donohoe, Ralston & Co., in this city, under the firm name of FRETZ & RALSTON, and in New York through the agency of Messrs. LEES & WALLER, No. 33 Pine street; and that on and after the 5th day of July next, they, together with D. O. Mills, J. B. Thomas Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. O. Earl, Wm. Norris, J. Whitney, Jr., O. F. Giffin, A. J. Pope, Herman Michels, Frederick Billings, Geo. H. Howard, H. F. Teschemacher, A. Haywood, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Wilmerding and Wm. Alvord of San Francisco, and Jacob Korn, of Portland, Oregon, having become for that purpose duly incorporated under the laws of this State, will carry on the business of banking in all of its various branhces at the same place and through the same agency, and upon the basis of a Gold and Silver currency, under the name of

THE BANK OF CALIFORNIA.

D. O. MILLS and WM. C. RALSTON will be charged with the management of the business of the Corporation.

WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 15, 1864. 25-1m.

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly, of the city of New York, and Joseph A. Donohoe, William C. Ralston, and Ralph S. Fretz of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, KELLY & CO., in San Francisco, and EUGENE KELLY & CO., in New York, commencing July 1st, 1864. Their Banking House in this city will be at the southeast corner of Montgomery and Sacramento steets.

EUGENE KELLY,
JOSEPH A. DONOHOE.

San Francisco, June 15th, 1864. 26-1m

Palmer's Patent
ARTIFICIAL LEG,

Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

629 Washington Street, San Francisco, Cal. 10v8-1m

D. NORCROSS,

MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.

ang17-tf Masonic Temple, No. 6, Post Street.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,

And Blank-Book Manufacturers.

No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

WM. T. COLEMAN & CO.,

70 WALL STREET,

NEW YORK.

BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.

Buy and sell Exchange on California, Oregon and Western Cities.

Grant Letters of Credit, available in any part of the United States.

Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.

Receive consignments of produce from California and Ports in the Pacific.

Make advances upon approved merchandise consigned to our San Francisco house.

Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.

Buy and sell and charter Vessels for all trades.

AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.

Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. of the par value is always required.

We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention.

WM. T. COLEMAN & CO.,
70 Wall street, New York,
18v8 And California and Front streets, San Francisco.

Advance Made on Copper Ores,

WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.

WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,

PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for tuming Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 23 Government Building, corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President.
D. S. CUTTER.....Secretary & Treasurer.

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.

19-3m

PHILLIPS & CO.,

(Specessors to W. H. Baxter & Co.,)

MANUFACTURERS AND IMPORTERS OF

HARNESS AND SADDLES,

BRIDLES, WHIPS, COLLARS, SADDLERY WARE, ETC.,

407 Battery Street, between Clay and Merchant Street, San Francisco.

N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

C. A. CRANE. A. E. CRANE.

CRANE BROS.,
Stock and Exchange Brokers,

No. 614 Montgomery st., Stall No. 5, Stock Exchange, San Francisco.

☞ All kinds of Stocks Bought and Sold on Commission. 14

IMPROVED WATER-WHEEL,

— PATENTED BY —

JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

OTIS V. SAWYER,
NOTARY PUBLIC,

And Commissioner for Nevada Territory.

Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. [23 4t] W. W. WIGGINS.

L. B. FINE. JAMES A. DWENS.

OWENS & FINE,
Mining Secretaries, Real Estate and General Agents,

WILL ATTEND TO DRAWING MINING STOCKS, PAYING ASSESSMENTS, BUYING AND SELLING STOCK LOCATED

IN ALPINE COUNTY.

OFFICE.—Mammoth Hotel, Main Street, between Second and Third, Silver Mountain. 20-3m

G. E. MOORE,
Assayer and Analytical Chemist,

Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.

REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!

Promptness and Accuracy Secured,

BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!

J. H. CHURCHILL, M. A.,

Consulting Chemist, (from Europe.)

24 Government Block, corner of Sansome and Washington Streets, San Francisco.

Refer to the Editors of this journal.

☞ "HINTS FOR PROSPECTORS" free by post. 1tf

Kustel Brothers'
METTALLURGICAL WORKS;

Bryant Street, Between Third and Fourth, San Francisco.

☞ Office, 418 Montgomery Street. ☜

☞ Gold and Silver Ores Reduced.

Practical Assays made of Gold, Silver and Lead Ores.

19-tf Also Cupellation and Refining of Silver and Gold.

Evening Instruction in Anylitical

Chemistry and Assaying,

Coadacted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 10th, 1864. 20

DEETKEN & CO'S

METALLURGICAL WORKS,

FOR THE REDUCTION OF

SILVER AND GOLD ORES, TAILINOS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND GOLD,

Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.

WORKS—On the San Bruno Road.

OFFICE—No. 315 Montgomery St., San Francisco. 16tf

NEW FOUNDRY.

SCHWARTZ, SHIELDS & CO.,

ALBANY IRON WORKS,

Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

ARMES & DALLAM,

IMPORTERS AND JOBBERS OF

WOOD AND WILLOW WARE,

Brushes, Twiae, Cordage, Etc.,

And Manufacturers of California Pails, Tubs, Brooms, Etc.,

217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

CALIFORNIA, AUSTRALIA, WASHOE, ENGLAND, FRANCE,

— AND —

THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER,
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.

1-3m

Disney's Cylinder Amalgamator,
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation on Sutter st., between Montgomery and Sansome, in the rear of the Vulcan Forge Machine Shop, where miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

1-4t W. A. H. TOWN, Secretary.

Lloyd's New Amalgamator
Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 6 0 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 15½ ozs., Ryerson's machine having only got 6 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Frnit Market, in this city, was obtained:

Gold.....$73 33
Silver..... 42

To the Ton.....$73 75

The assay being made by Messrs. Molitor & Co.

From 2 pounds of the same ore, worked for the same party, was obtained:

Gold.....$63 30
Silver..... 04

To the Ton.....$63 34

Assay made by Kellogg, Hewston & Co.

The mine from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $75 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $53 34.2 per ton; and over the works at the mill, $62 54.2 per ton. Result from 15 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $-.19, Silver, $1.52, amounting to $2.71-1t0—equal to $361.33-1t0 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Deetken, at his metallurgical works in this city, obtained by the Varney Pan $154 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 68 pounds of ore from the Lady of the Lake Company, Leland Lode, San Francisco District, Arizona Territory, worked for C. W. C. Rowell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $2 6.18-10. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Hewston & Co., yielded $7.58-90—equal to $111.60 to the ton. Difference in favor of Lloyd being $114.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and is certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines, can be addressed to the care of Messrs. Kustell Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINed the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. There is a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumfereuce and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS, NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 14v8-tf

Vulcan Iron Works Company.

P. TORQUET, Manager.

Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest Iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Jonval and other Turbine Water Wheels with latest improvements.

No. 137 & 139 First Street San Francisco. tf

Mechanical.

SAN FRANCISCO FOUNDRY
And Machine Works,
Corner Fremont and Mission streets,
SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.

☞ Steam Engines constantly on hand.

Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.

☞ REPAIRING promptly attended to.

DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHInery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KINO.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.

A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.

Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,

Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.

STEAM ENGINES OF SCOTTS' PATENT,

Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

H. B. HINCKLEY, WM. E. WORTH, WM. A. PIELN
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,

Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

JUST PUBLISHED,
By H. H. BANCROFT & CO.,
MINING LAWS AND FORMS,
A THIRD EDITION, REVISED AND ENLARGED,
COMPILED BY H. A. CONGNON.

This edition contains all the Laws of the State of California and of the Territory of Nevada, relative to
MINING CORPORATIONS,
Canal Companies, Assessments, Transfer Agencies, Changing place of Business, Mineral Lands, Actions respecting and conveyances of Mining claims, Taxation, Foreign Miners, Etc., Etc.
TOGETHER WITH THE
Mining Ordinances of Mexico
—AND—
Recent Decrees of the Mexican Gov'mt,
Forms for the Incorporation of Mining Companies, and a Digest of the decisions of the SUPREME COURT of the State of California, Relative to Mining Corporations and Mining Interests.

16mo, flexible cloth, 192 pp. $2.50.

For Sale at all the Bookstores. 11f

A. S. HALLIDIE & CO.,
Wire Rope Manufacturers,
Established 1857.

Office, No. 412 Clay street—Works, North Beach,
SAN FRANCISCO.

After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for

HOISTING FROM DEEP MINES,
GUY ROPES FOR DERRICKS, &c.,
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
SASH CORD FOR WINDOW SASHES,
ETC., ETC., ETC., ETC., ETC., ETC.

It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.

MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.

Wire Fencing Strand,

For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.

Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.

WIRE SUSPENSION BRIDGES AND AQUEDUCTS

We are prepared to erect, of any span and capacity, and take pleasure in referring those interested to the many structures of this kind built by us in California, Oregon and British Columbia, of span from 200 to 400 feet. 3-3m

JOHN F. GALLAGHER, ... JOSEPH H. WEED.
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[Removed from Oregon street, between Front and Davis.] j2tf

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Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
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Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

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Office of the Company 328 Montgomery Street. j1tf

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THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF JULY, 1864.

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July 23—CONSTITUTION.....Capt. J. T. Watkins.

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16 A. MARCUS, Secretary.

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☞ References given where required. ☜ 26-3m

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(Member of the San Francisco Stock and Exchange Board,)
Stock Broker and Real Estate Agent.
Office, 705 Montgomery Street, San Francisco. 18-m

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NOTARY PUBLIC,
—AND—
Commissioner of Deeds for Nevada Ter.
Office, Montgomery Block, 630 Montgomery Street,
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1-2l No. 9 First Street, San Francisco.

Mining Notices.

Advertised in Previous Issues.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given that at a meetiug of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of 20 cents per share was levied upon the capital stock of said Company, payable immediately in United States gold coin, to the Secretary, at the office of the company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. N. G. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 1-4t

Asplawall Gold and Silver Mining Company, Amador District, Lander County N. T.

Notice is hereby given that at a meeting of the Trustees of said Company, held on the 10th day of June, 1864, an assessment of fifty cents (50) per share was levied upon the Capital stock of said Company, payable immediately, in U. S. Gold Coin, to the Secretary, at the office of the Company, 429 Pine street, San Francisco or J. E. Bowe, at Amador City, N. T.

Any stock upon which said assessment shall remain unpaid on the 15th day of July, will be advertised as delinquent, and unless payment shall be made before, will be sold on the 3d day of August, A. D. 1864, to pay the said delinquent assessment, together with cost of advertising and expenses of sale.

24-5t JOSEPH HEALY, Secretary.

Astor Ledge and Company, Big Creek District, Lander county, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of May, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately to the Secretary, at No. 3, Armory Hall, 3d floor, corner of Montgomery and Sacramento streets, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 4th day of August, 1864, to pay the delinquent assessments, together with costs of advertising and expenses of the sale.

S. PURDY, Secretary.

Office, Armory Hall, corner Montgomery and California streets, San Francisco. 25-4t

Amador Consolidated Silver Mining Company. Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an assessment of Four Dollars per share was duly levied, upon the capital stock of said company, payable on the 27th day of June, 1864, in gold coin of the United States of America, to the Secretary, at the office of the Company, No. 623 Washington street, in the city of San Francisco.

Any stock upon which said assessment shall remain unpaid on the 27th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of August, 1864, to pay the delinquent assessments and cost of advertising and expenses of sale. F. S. CARTER, Secretary.

26-5t Office, 623 Washington street, San Francisco.

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, San Francisco, June 22d, 1864.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held November 2d, 1863, an assessment, No. 1, of twelve and a half (12½) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No 2, of twelve and one-half (12½) cents per share was levied upon the Capital Stock of said Company. Both assessments, Nos. 1 and 2, payable immediately, in United States gold coin to the Treasurer, at the office of said Company, or to John Moffet, Superintendent of said Company, at the mine, in Nevada Territory.

Any stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. JOHN SHAW,

26-5t President.

Bodie Consolidation Gold and Silver Mining Company, No. 2. Location of Mine, Bodie District, Mono county, California,

Notice is hereby given, that at a meeting of the Trustees of said Company, held on the 10th day of June, A. D., 1864, an Assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable in U. S. gold coin, on the 13th day of July, 1864, to the Secretary, at office, S. W. corner of Clay and Montgomery streets, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the said 13th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 25th day of July to pay the delinquent Assessment, together with costs of advertising and expenses of sale.

24-5t A. L. CHAMBERLIN, Secretary.

The advertisement of stock delinquent on the above assessment is postponed until July 16, 1864, and the sale thereof is postponed until July 30, 1864. By order of the Board of Trustees. (2) A. L. CHAMBERLIN, Secretary.

Beaver Gold and Silver Mining Company, Gold Hill, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of June, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 21st day of June, 1864 in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before will be sold on Monday, the 8th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. WM. VALE, Secretary.

Office, Nos. 55 & 56 Exchange Building, N.W. corner Washington and Montgomery Streets, San Francisco. 26-4t

Blue Jacket Gold and Silver Mining Company, Devils Gate District, Lyon County, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows,

Names.	No. Certificate.	No. Shares.	Amt.
Joseph Hobart,	3	50	hal. $10 00
N Hastings,	13	25	6 25
W C Hoagland,	14	25	6 25
W C Hoagland,	15	25	6 24
G C McMullin,	16	30	7 50
G W Inslee,	21	20	5 00
H C Mead,	28	15	3 75
L M Newson,	not Issued,	150	37 50

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday the 9th day July, 1864, at 11 o,clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. A. RUST, Secretary.

22-3t Office, 212 California street, San Francisco.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Blue Dragon Mining Company, Inyo District, Tulare County, California.

Notice.—There is delinquent upon the following described stock, on account of assessment levied on the 23d day of May, 1864, the several amounts set opposite the names of respective shareholders, as follows:

Names.	No. Certif.	No. Shares.	Amt.
John H Bolton	137	100	$20
Oscar Burnham	113	25	5
Samuel Burrell	100	10	2
John Cerf	53	10	2
John Cerf	54	10	2
John Cerf	55	10	2
John Cerf	56	10	2
John Cerf	57	10	2
John Cerf	58	10	2
John Cerf	59	10	2
John Cerf	60	10	2
John Cerf	61	10	2
John Cerf	62	10	2
John D Chace	17	100	20
John D Chace	18	25	5
John D Chace	19	25	5
John D Chase	20	25	5
John D Chase	21	25	5
D W Chambers	41	150	30
J B Crockett	120	50	10
Charles H Davis	67	10	2
Charles H Davis	84	10	2
Charles H Davis	85	10	2
Charles H Davis	88	20	4
Charles H Davis	95	5	1
Charles H Davis	07	90	18
A J Egery	98	10	2
A J Egery	99	5	1
A J Egery	102	8	1 60
B D Egery	5	100	20
B D Egery	63	10	2
B D Egery	64	10	2
B D Egery	107	75	15
B D Egery	130	20	4
B D Egery	131	20	4
B D Egery	132	20	4
B D Egery	133	10	2
B D Egery	134	5	1
R S Eells	103	25	5
R S Eells	104	25	5
R S Eells	105	25	5
R S Eells	106	25	5
J E Freeman	101	17	3 40
J G Fay	14	15	3
John Howes	78	25	5
T B Jaynes	138	5	1
M W Levy	40	10	2
L Leugfeld	46	10	2
L Leugfeld	47	15	3
A Leugfeld	48	25	5
P C Lauder	121	50	10
Eugene Meyer	38	5	1
C E Moss	87	20	4
E C McComb	123	25	5
E C McComb	125	25	5
A W Putuam	135	5	1
B W Putnam	136	5	1
Alfred Rix	42	150	30
George Rose	43	25	5
B Stout	24	100	20
B Stout	145	100	20
A J Shrum	142	5	1
W J Tinnin	14	100	20
W J Tinnin	15	100	20
W J Tinnin	71	10	2
W J Tinuin	143	5	1
E H Washburn	49	50	10
Miss S A Wilson	90	5	100
A Wertheimer	28	50	10
A Wertheimer	29	50	10
A Wertheimer	30	50	10
A Wertheimer	31	50	10
A Wertheimer	32	20	4
A Wertheimer	33	20	4
A Wertheimer	34	10	2
A Wertheimer	35	10	2
A Wertheimer	36	10	2
A Wertheimer	37	5	1

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No.327, Montgomery street San Francisco, on the 9th day July 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of Advertising and expenses of the Sale.

N. G. FRENCH. Secretary.

26-2t Office, 728 Montgomery Street, San Francisco.

Cavour Gold and Silver Mining Company, Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of April, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately in United States gold coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 28th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. JOSEPH C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Constitution Gold and Silver Mining Company, Lanier county, N. T. Office, No. 20, Exchange Building, cor. Washington and Montgomery streets, San Francisco, Cal., June 11th, 1864.

Notice is hereby given, that in accordance with the laws of the State of California, there will be sold at public auction, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on WEDNESDAY, July 13th, 1864, at 11 o'clock A. M., of that day, to the highest bidder, for cash, in U. S. gold coin, so many shares of the Capital Stock of the Constitution Gold and Silver Mining Company standing in the names of the following shareholders as will be necessary for the payment of the Assessments duo thereon, together with the expenses of advertisement and sale, unless said Assessments with accruing charges are previously paid, to wit:

Names.	No. Assts.	No. Shares.	Amt.
John Murphy	1 2 3	77	$79 00
Geo Cattermole	1 2 3	246	244 50
Jas S Whitton	1 2 3	164	163 00
W R Barnes	1 2 3	164	163 00
Wm Rose	1 2 3	245	244 50
John A Veatch	1 2 3	82	81 50
H A Wall	1 2 3	82	81 50
E S Davis	1 2 3	41	40 75
O A Palmer	3	102	81 75
E P Peckham	3	77	38 50
J S Kennedy	3	82	41 00
Lyman Beecher	3	35	15 00
J B Crockett	3	82	41 00
P C Lander	3	82	41 00
Julius Schultz	3	3	1 50
H S Waldron	3	10	5 00

By order of the Board of Trustees.

21-4t JOS. C. FORD, Secretary.

The above sale is postponed until Saturday, July 23d, 1864, at the above time and place. By order of the Board of Trustees. (2-3t) JOS. C. FORD, Secretary.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and San some street, San Francisco.

Coso Silver Mining Company, Coso District Tulare County, California.

Notice.—There are delinquent upon the following describe stock on account of assessments levied on the 2d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Am't
Ahhot Jos E	755	3	$3 00
do do	910	5	5 00
do do	1108	4	4 00
Austin Henry	1100	1	1 00
do do	1379	3	3 00
Adsif L B	1428	5	5
Arnold Bros	764	5	5
Burbank D	748	6	6
Bell G W	457	5	5
Beattie Geo	779	5	5
Brunstune Geo	788	3	3
Blanding E J bal 5 shs	809	2	2
Bowden C S	911	1	1
Brainard H C	1325	5	5
Brann R G	1593	25	25
Barker B M	1541	10	10
do do	1542	9	9
do do	1543	5	5
Bourn W B	1291	20	20
do do	1292	10	10
do do	1458	45	45
Beaver G W bal 60 shs	1343	2	2
Barneman F G	1358	2	2
Barker J L	1393	5	5
do do	1394	5	5
Bowen E	1409	8	3
Bigelow Bros	1441	7	7
Beckford D K	1512	5	5
do do	1513	5	5
do do	1514	5	5
do do	1520	3	3
do do	1521	5	5
Chace M T	711	5	5
Colhy H H	1403	1	1
Cole Mary G	891	5	5
Colhurn R	1027	5	5
do do	1077	5	5
Chace E F	1558	30	30
Craig J bal 5 shs	1331	1	1
Colemnn Thos	1356	3	3
Cook P	1421	5	5
Carle E bal 5 shs	1471	1	1
Collins J C	1473	5	5
Cleary F D	1498	10	10
do do	1499	5	5
do do	1585	20	20
do do	1586	10	10
do do	1587	5	5
Crane Israel bal 10 shs	1624	7	7
do do	1537	20	20
do do	1538	20	20
do do	1539	10	10
Davis G B	1063	14	14
Davis Cur F	753	3	3
Dunn John	923	5	5
do do	925	5	5
Davis J C	1028	5	5
Elmore M J	1562	18	18
Ellmntter F S	1594	5	4
Elliott W bal 5 shs	1172	1	1
Fletcher N K	699	5	5
Farnsworth J L	1399	4	5
French W N	1067	10	10
French R F	1068	5	5
Forsaith E W	1162	10	10
do do	1163	5	5
do do	1187	10	10
Fall Wm	1525	20	20
Farrell J D	1540	4	4
Hyams E	1475	5	5
Hendric J W	686	15	15
do do	687	15	15
do do	731	20	20
do do	915	10	10
Hale H B	982	10	10
do do	1036	10	10
do do		7½	7
Harnden F H	1150	9	9
do do	1151	1	1
Hinckman P L bal 49 shs	1158	10	10
Huthnway E V 1307	1307	20	20
Kelly Thos	1217	7	7
do do	1549	3	3
Kramer F	1508	12	12
Gallagher W K	1509	7	7
Goedmnn P	1588	4	4
Kelly J D	1680	10	10
Lang J L	482	1	1
Lathrop L B	566	4	4
do do	567	10	10
do do	569	15	15
do do	572	15	15
Lawrence W W	1357	2	2
Lyle J B hal of 9 shs	1525	4	4
do do	1388	10	10
do do	1389	10	10
Levy A	1461	10	10
Law Mok	1511	2	2
do do	1595	7	7
Lacy T J P	1553	10	10
Milbourno Louisa	776	2	2
Miller Mrs Marian	1410	10	10
Miller Thos	1485	10	10
Mills Philo hal 43 shs	1037	10	10
do do	1160	25	25
do do	1414	5	5
do do	1561	7	7
Miller Bros	1054	5	5
Mandeville J C	1134	25	25
Miller A D hal 8 shs	1501	2	2
Mowgall Carolino hal 10	1360	3	3
Mackay Owen	1405	5	5
Nutter Annie M	1011	2	2
Nauman Emile	1048	5	5
Norton J	1412	10	10
Nelson J P	1195	5	5
McCort Robt	1425	3	3
McColliam T W	1559	19	19
Marsh A	1563	1	1
Moses Amandn L	1578	15	15
Morgan L E	1582	20	20
Mayers A	1592	8	8
O'Connor J	1597	19	19
Presho S A	1591	31	31
Prichard J	881	4	4
Prince Thos	1480	5	5
Pond E B	1136	26	25
Pease E T	1592	10	10
Packard Chas	1427	20	20
Poucher M	1347	1	1
Peel J	1463	5	5
do do	1600	4	4
Polk R T	1463	20	20
Redenith Emilo	074	5	5
Rogers Chas	1178	5	5
Termilliger N B	1504	10	10
do do	1507	5	5
Tuite Agnes J	1564	25	25
Rico A W	1574	5	5
Thibault T J	1589	18	18
do do	1590	20	20
Snell E	594	2	2
Swift W L	595	1	1
Shattuck Anna B	835	1	1
do do	1132	5	5
Steere T F	1300	5	5
do do bal 3 shs	1329	1	1
Selleck S	1.19	5	5
Thomas P J	630	5	5
Titcomb J H	1181	10	10
Thue J P	1443	3	3
Tyler G W	1415	10	10
Thomas Eliza	1435	5	5
Serem C E	1348	1	1
Sparrow S J	1491	10	10
do do	1492	10	10
do do	1499	13	13
Scott H	1519	50	50
Soule H	1579	13	13
Smith C	1581	10	10
Upton C D	1299	10	10
Wood Geo	1575	50	50
Warth E	1874	3	3
Wadhams Wm	918	1	1
do do	919	1	1
do do	920	1	1
Whitney S	1576	49	49
do do	1577	50	50
Whitney Dr J P	1144	20	20
do do	1153	15	15
do do	1211	2	2
Wiswell T	1209	10	10
Wyse N H hal 5 shs	1470	1	1
Wheeler Mrs C P	1341	1	1
Williams H	1420	2	2
Washburn L	1431	20	20
Woods F H	1570	25	25
Wood Mary D	1603	31	31
Wood Emily	1504	30	30

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 16th day of July, 1864, at 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. D. W. CHAMBERS, Secretary.

Office, 636 Clay street, San Francisco, California. 1

Copp Gold and Silver Mining Company, Sierra District, Humboldt county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of June, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 13th day of June, 1864, in United States Gold Coin, to the Secretary, or to Henry Copp, Dan Glen, Humboldt, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. E. K. FIELD, Sec'y.

25-4t Office, 509 Clay st., Room, No. 1, San Francisco, Cal.

Empire Gold and Silver Mining Company, Rock Spring District, San Bernardino County, California.

Notice.—There are delinquent, upon the following described stock, on account of Assessment levied on the 31st day of May 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	Certificate.	Shares.	Amount.
Allen, H F	17	70⅔	
do do	18	68	
do do	19	68	10 33
Austio, F B	36	68	3 40
Bennett, E S	97	5	25
Bowerman, Daniel	133	5	25
Brnfogle, W O	116	5	25
Cheney, Jns	65	16⅔	
do do	70	20	
do do	73	10	
do do	74	10	
do do	77	10	
do do	79	5	
do do	80	5	
do do	81	5	
do do	82	5	4 33
Conrad, D	121	10	
do do	122	7¼	
do do	123	10	
do do	124	7½	1 72
Chapin, G W	149	4 7-12	23
Currie, G C	210	5	25
Downle, J J	154	5	
do do	199	8	
do do	200	5	
do do	201	5	
do do	202	5	
do do	203	5	
do do	204	5	
do do	205	10	
do do	206	10	
do do	207	10	3 65
Dickinson, J	159	1¼	6
Edgworth, P	168	5	25
Flint, W K	147	8⅔	43
Franklin, E	156	50	
do do	157	31¼	
do do	158	10	4 56
Groff, I D	134	5	25
Goldsworthy, I			
Hamilton, Chas	20	11⅔	
do do	21	20	
do do	22	20	
do do	27	10	
do do	29	5	
do do	25	5	3 58
Hathaway, Chas	170	40	2 00
Harrington, Geo	119	10	
do do	110	10	80
Knowles, S H	1 & 2 ea 5	10	16 80
do do	45, 78, 9, 10 & 11 ea 10	70	
do do	12 & 18 ea 50	100	
do do	14	16⅔	9 83
Livermore, H G	34	216⅔	10 83
Mahan H W	209	10	50
Oliphant, H D	153	17¼	86
Rowley, I B	148	4	20
Sheau, F	40	5	25
Schumacker, L	50	138⅔	5 93
N P Smith	87,88,89,90,93.94,111 ea 10	70	
do do	112 & 183 ea 10	20	4 50
Smith, I F	96	86⅔	4 33
Stone, S A Jr	115	10	50
Taylor, Jos	185	10	50
Taylor, John	113	25	1 25
Upham, J M	169	5	25
Whiting, W J	92	50	2 50
Weed, H	110	6	30
Webster, F C	212	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, Room 8, No. 611 Clay st. San Francisco, on the 16th day of July, 1864, at 12 o'clock M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

G. BOWER, Secretary.

1 Office, 611 Clay street, San Francisco.

Egery Mining Company, Inyo District, Tulare County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an Assessment of ten cents per share was levied upon the Capital Stock of said Company, payable on the 15th day of June, 1864, in U. S. gold coin, to the Secretary, at the office of the Company, 728 Montgomery Street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of sale. By order of the Board of Trustees. N. G. FRENCH, Secretary.

25-4t Office, 728 Montgomery street, San Francisco.

It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an assessment of two (2) dollars per share was levied upon the Capital Stock of said Company, payable on the 23d day of June, 1864, in United States Gold Coin, to the Secretary, at the office of the company. No. 708 Montgomery Street, in the City of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 6th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco.

Five per cent discount will be allowed to all persons paying their assessments on or before the 5th day of July, 1864.
25-4t

Forest Queen Gold and Silver Mining Company,

Great Mount District, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an assessment of fifty (50) cents per share was levied upon the Capital stock of said Company, payable immediately in United States Gold Coin, to the Secretary, or to Mr. A. Lukin, Gold Hill, N. T.

Any stock upon which said assessment shall remain unpaid on SATURDAY, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 1st day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. R. N. VAN. BRUNT, Secretary

Office, No. 706 Montgomery Street, San Francisco. 25-4t

Fortune Mining Company, Mineral Springs District, Calaveras County, California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 18th day of June, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable immediately in United States gold coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 3d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. THOS. C. McCALLAN, Secretary.

Office, 622 Clay Street, San Francisco. 25-4t

Great Western Tunnel and Mining Company,

Aurora, N. T.

Notice is hereby given that a Stockholders' Meeting of the above company will be held in this city, in the office of the Company, No. 20 Exchange building, corner Washington and Montgomery streets, on Saturday, August 6th, 1864, at 2 o'clock P. M. By order of the Board of Trustees.

JOSEPH C. FORD, Secretary.

San Francisco, July 1st, 1864. 1

Great Western Tunnel and Mining Company,

Aurora, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. JOS. C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of June, 1864, an Assessment, of one dollar per share was levied upon the Capital Stock of said Company, payable on the 15th day of June, 1864, in United States gold coin, to the Secretary, at the office of the Company, 728 Montgomery street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. G. FRENCH, Secretary.

25-4t Office, 728 Montgomery Street, San Francisco.

Goberndora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of June, 1864, an Assessment of 70 cents per share was levied upon the Capital Stock of said Company, payable on the 15th day of June, 1864, in United States gold coin to the Secretary, at the office of the Company.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 1st day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

25-4t Office, No. 625 Clay Street, San Francisco.

Grosch Consolidated Gold and Silver Mining Company, Storey county. N. T.

Notice is hereby given, that, at a meeting of the Board of Trustees of said Company, held on the 11th day of, June, 1864, an assessment of 20 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on WEDNESDAY, the 3d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHAS. H. RYDER, Secretary.

Office, No. 4, Court Block, Clay street, San Francisco.
25-4t

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

There are delinquent, upon the following described Stock, on account of assessment levied on the 24 day of June, 1864 the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Mary J Little	391	1	20
do do	392	1	20
do do	393	2	40
do do	394	2	40
do do	397	5	1 00
do do	398	5	1 00
do do	468	5	1 00
do do	469	5	1 00
do do	578	151½	30 24
Timothy P Riordda	223	5	1 00
do do	224	5	1 00
do do	225	5	1 00
J D Van Devort	68	2	40
do do	69	20	4 00
do do	70	20	4 00
do do	71	20	4 00
do do	72	10	2 00
do do	73	10	2 00
do do	74	10	2 00
do do	75	5	1 00
do do	76	5	1 00
do do	77	5	1 00
do do	78	5	1 00
do do	79	100	20 00
do do	80	98 2-5	19 68
do do	545	64 2-5	12 08
do do	546	20	4 00
do do	547	20	4 00
do do	548	20	4 00
do do	554	5	1 00
do do	555	5	1 00
Martin Kelley	486	50	10 00
do do	537	20	4 05
do do	538	23	4 60
Anthony Hack	406	3	60
John H Bell	410	5	1 00
George Roland	411	2	40
Alice Devine	437	2	40
Charles F Hayward	35	5	1 00
do do	36	5	1 00
do do	39	5	1 00
do do	40	5	1 00
do do	41	5	1 00
do do	42	5	1 00
do do	47	10	2 00
do do	50	10	2 00
Waltace Everson	61	100	20 00
John Landers	101	50	10 00
do do	102	50	10 00
do do	104	20	4 00
P S Venard	332	5	1 00
James Berron	426	50	10 00
do do	532	25	5 00
do do	533	25	5 00
S P Taylor	200	2	40
do do	202	2	40
do do	203	2	40
do do	204	2	40
do do	205	2	40
do do	206	2	40
do do	207	2	40
do do	208	2	40
do do	210	2	40
do do	214	2	40
do do	217	2	40
do do	218	2	40
do do	306	10	2 00
do do	307	10	2 00
do do	308	10	2 00
do do	311	10	2 00
do do	312	10	2 00
do do	313	10	2 00
do do	314	10	2 00
do do	329	25	5 00
William Gleeson,	440	3	60
John Phillips,	445	3 2-5	68
James Devlin	453	1	20
John Bulcer	455	1½	30
Thomas Rim	456	1½	30
Henry Terry	465	5	1 00
John K Moore	556	20	4 00
do do	557	20	4 00
do do	558	10	2 00
do do	559	10	2 00
do do	560	5	1 00
F W Peterson	240	1	20
do do	242	2	40
do do	246	2	40
do do	247	3	60
John D Kersey	467	10	2 00
John A Lay	478	10	2 00
do do	479	10	2 00
do do	480	20	4 00
do do	481	10	2 00
do do	482	20	4 00
do do	483	10	2 00
do do	484	40	8 00
Thomas Soloman	505	5	1 00
do do	506	10	2 00
do do	507	10	2 00
do do	509	5	1 00
A G Turner	508	10	2 00
H E Wheaton	539	10	2 00
do do	540	15	3 00
do do	541	20	4 00
do do	542	5	1 00
do do	543	5 1-5	1 05
Lydia E Balcom	550	20	4 00
W A Sublett	551	5	1 00
C W B Johnson	552	5	1 00
Joseph Shelley	563	5	1 00
John S Newton	564	5	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Messrs. Jerome Rice & Co., 327 Montgomery street, San Francisco, on Monday the 18th day of July, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEORGE W. GILDERSLEEVE, Secretary.

Office, 302 Montgomery street. 1t

John J. Crittenden Gold and Silver Mining Company, Reese River District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of June, 1864, an assessment of Twenty-five cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold Coin, to the Secretary, or to S. F. AMBLER, at Austin, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 3d day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

D. B. FRANCIS, Secretary.

25-4t Office, 509 Clay street, San Francisco.

Kate Lunar Gold and Silver Mining Company, Reese River District, Lander Co. N. T.

There are delinquent upon the following described stock, on account of assessment number one, levied November 17, 1863, and assessment number two, levied March 21st, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
John Ridgeway.	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,	111¼	$74 00
William Terry,	15, 16, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,	108¼	54 35
Geo. L. Hendricks,	56	8¾	4 38
C S Johnson	61	10	5 00
A Hartman, Sr.	93	10	5 00
Elizabeth Hartman.	76	5	2 50
Michael Widrow, 79, 80, 81. 82		87½	43 75
Robert Hutchinson,	not issued	10	10 00
W W Hartman,	not issued	40½	40 63
John McBrown,	not issued	43¾	43 75
H H Pearson.	not issued	21¾	21 88

And in accordance with law and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the the company, No. 26, Montgomery Block, in the city of San Francisco, on the 6th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessments thereon, together with the costs of advertising and expenses of sale.

F. G. APPLETON, Secretary.

Office, No. 26 Montgomery Block. 1-4t

Kelsey Gold and Silver Mining Company, El Dorado County. Office 605 Sacramento street, San Francisco, June 17th, 1864.

The public are cautioned against purchasing stock in this company standing in the names of the followiug persons, as the same has been sold for delinquent assessments, and canceled upon the books of the company, viz:

Ole Bergson	J. Ford
A Falk	Andrew Wilson
Sophia Steiger	Jane James
A. E. Shannon	Susan Sweetzer
Joseph Whittle	W. Van Housen
C. H. Killey	Henry E. Brooks
L. Blum	R. D. Scofield
B. F. Butler	G. Israel
C. J. West	E. Maitre
F. W. Bach	E. Cleaves
A. de Castilla	John C. Hall
O. P. Williams	B. Sloeumb

S. C. GARDNER.

25-4t Secretary Kelsey G. & S. M. Co.

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Clayton, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amt.
A R Harrison,	304	100	10 00
C E Wetmore,		100	10 00
M Tarpey,	467	20	2 00
E T Carrique	66	20	2 00
E T Carrrique,	68	20	2 00
E T Carrique,	67	20	2 00
I Swain,		12	1 20
Downer, (by I Swain,)	390	5	50
A J Baily,	part of 69	20	2 00
D G Alexander,	part of 15		1 50
J S Filloon,	202	100	10 00
S Barrow,		25	2 50
G W Morgan,	343	5	50
G W Morgan,	346	20	2 00
C Morgan,	371	20	2 00
C Morgan,	342	5	50
G S Harmon,	364	50	5 00
G S Harmon,	365	50	5 00
Geo F Sharp,	425	200	20 00
G M Dexter,	246	25	2 50
Geo Doan,	265	50	5 00
Geo Doan,	266	25	2 50
Geo Doan,	part of 267	16	1 60
C W Ham,	373	50	5 00
C H Rice,	not issued	40	4 00
J W Clark,	part of 341	40	4 00
I C Whipple	336	5	50
B S Hines,		2	20
W A White,	part of 138	5	50
W F Hughes	171	50	5 00
H Classen,	178	25	2 50
H Classen,	179	25	2 50
A L Du Bois,	176	2	20
Mary McCarty,	189	20	2 00
E G Mathewa,	208	25	2 50
E G Mathews,	209	25	2 50
J Leavitt,	217	50	5 00
J Leavitt,	218	50	5 00
Michael Butler, No 2,	part 373	6	60
A Dolet,	457	12	1 20
M Fisher,	456	6	60
Godfrey Gnase,	249	25	2 50
Godfrey Gnase,	416	25	2 50
C Bruns,	part, 453	17	1 70
Miss C Alison,	257	40	4 00
F Gallego,	429	5	50
S S White,	434	5	50
Wm Brackett,	331	25	2 50
D E Hayes,	295	5	50
D E Hayes,	296	5	50
L E Morgan,	401	20	2 00
L E Morgan,		462	46 20
S D Cary,	part 391	83	8 30
E J Baldwin	part 423	125	12 50
E J Baldwin	459	25	2 50

And in accordance with law and an order of the Board of Trustees, made on the 25th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice &Co., No. 327 Montgomery street, San Francisco, on thel3th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and the expenses of sale.

A. B. WINEGAR, Secretary.

Office 322 Front street, San Francisco. 26-2t

Lady Adams Gold and Silver Mining Company.

Gertrude Gold and Silver Mining Company.

Peaslee & Sparks Gold and Silver Mining Company. Location, Reese River District, Lander county, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock on account of assessments levied on the 28th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

LADY ADAMS GOLD AND SILVER MINING COMPANY.

Names.		Shares.	Amount
Barnes, Thos	Certificate, 8	10	$2 00
Burton, A P	cer 116 117		
	Shares 5 5	10	2 00
Brown, L A	cer 129	5	1 00
Bennett, Nathaniel	cer 145	10	2 00
Blok, J N	cer 183 211		
	shs 25 10	35	7 00
Banian, Martin	cer 193	10	2 00
Bohu, Daniel	cer 232	5	1 00
Bradford, C H	cer 245 246		
	shs 5 5	10	2 00
Brand, Ernest G	cer 380	10	2 00
Campbell, H C	cer 127	10	2 00
Colu, H	cer 230	5	1 00
Cornwall, P B	cer 83 87 88 220		
	shs 10 10 10 20	50	10 00
Eckley, G R	cer 122	5	1 00
Earll, Delia	cer 187 188		
	shs 5 5	10	2 00
Ebner, Gottfried	cer 190	5	1 00
Ellis, Mrs H M	cer 209	20	4 00
Flagan, Catharine	cer 217	5	1 00
Gahman, S	cer 385	5	1 00
Grimbaum, M S	cer 227	5	1 00
Gebhart, Fredk	cer 363	5	1 00
Hill, R T	cer 5 134 336		
	shs 10 25	45	9 00
Hoffman, Charles	cer 64 65 70 74		
	shs 25 10 5 5	45	9 00
Harris, Henry	cer 372	5	1 00
Kipp, Ignats	cer 29 252 364 378		
	shs 10 10 5 5	30	6 00
Klopstock, C	cer 149 150 151 152		
	shs 25 10 10 5	50	10 00
Loneh, Orlando	cer 133	5	1 00
Levan, C	cer 189	10	2 00
Luning, N	cer 245	10	2 00
Levison, Bertha	cer 367	5	1 00
Milliken, J F	cer 168 169		
	shs 23 2	25	5 00
Mitgu, Geo	cer 208	5	1 00
Long, Thomas	cer 378	10	2 00
McCormick, Salin J	cer 226	5	1 00
Manheim, Estello	cer 230	10	2 00
Mundigi, Joseph	cer 366	5	1 00
Merkle, Charles	cer 381	5	1 00
Nolden, William	cer 177 178		
	shs 10 10	20	4 00
Newhauer, Greenbood	cer 227	5	1 00
Polk, R T	cer 258	10	2 00
Perry, Samuel R	cer 154	10	2 00
Perkins, W L	241	200	10 00
Phillip, R	cer 203	10	2 00
Ramsey, L W	cer 247 248 255 250		
	shs 10 10 25 5	50	10 00
Redlrih, S	cer 370	5	1 00
Smith, A K P	cer 135 159		
	shs 50 8	58	11 60
Stewart, H James	cer 273	5	1 00
Thompson, T H	cer 148 160 181	20	11 00
	shs 10 5 5	20	
Taggard & Co	cer 225	10	2 00
Trenor, Eustace	cer 242	9	1 80
Whitney, J r J	cer 1 2 3 224		4 00
	shs 10 10 20 10	50	10 00
Watson, W C	cer 173	25	5 00
Warner, W C	cer 182 163 164 165		
	shs 10 10 10 10		
Warner, Wm C	cer 168 167		
	shs 5 5	50	10 00
Warschaun, A	cer 181	10	2 00
Wentworth, D	cer 186	5	1 00
Woodbury, C E	cer 195	5	1 00
White, Joseph	cer 197	10	2 00
Watson, N A	cer 206	5	1 00
De Woolf, S A	cer 219	5	1 00
Wade, J P	cer 222 384		
	shs 5 5	10	2 00
Williams, J B	cer 240	10	2 00
Wood, Geo	cer 246	5	1 00
Wilson, W	cer 371 374		
	shs 5 10	15	3 00
Yates, W H	cer 210	5	1 00

GERTRUDE GOLD, AND SILVER, MINING COMPANY.

		Shares.	Amount.
Barclay, Geo R	cer 7 8		
	shs 25 25	50	12 50
Bernis, Chas E	cer 89	12	3 00
Camerou, Salton	cer 24 25 26 27		
	shs 50 25 15 10		
Cameron, Salton	cer 28 29 30 31		
	shs 10 9 8 7		
Cameron, Salton	cer 22 33 34		
	shs 0 5 5	150	37 00
Cosgrove, P C	cer 93	7	1 75
Drummond, R A	cer 35 36 37 89		
	shs 50 25 15 10		
Drummond, R A	cer 40 41 42 43		
	shs 9 8 7 6		
Drummond, R A	cer 44 45		
	shs 5 5	140	35 00
Goodwin, Chas	cer 13 14 15 10		
	shs 50 10 10 10		
Goodwin, Chas	cer 17 18 19 20		
	shs 5 5 8 7		
Goodwin, Chas	cer 21 25		
	shs 9 6	125	31 50
Hill, Richard	cer 91 92		
	shs 5 5	10	2 50
Kenlfield, Geo	cer 92	25	6 25
Learned, A S	cer 71 72 73 74		
	shs 50 25 15 10		
Learned, A S	cer 75 76 77 79 81		
	shs 10 9 8 6 5	138	34 50
Loney, Geo	cer 57 58 59 60		
	shs 25 10 10 5		
M'Cloud, Neil	cer 49 47 48 49		
	shs 50 25 15 10		
M'Cloud, Neil	cer 50 51 52 53		
	shs 10 9 8 7		
M'Cloud Neil	cer 54 55 56		
	shs 0 5 5	150	37 00
Miller, W J	cer 9 10 11 12		
	shs 25 10 10 5	50	12 50
Milliken, J T	cer 90	5	1 25
Pond, A A	cer 94	10	2 00
Smith, W A	cer 83 84 87 88		
	shs 25 10 10 5	50	12 00
Thompson, T H	cer 61 62 63 64 85		
	shs 25 15 10 10 9		
Thompson, T H	cer 66 68 69 70		
	shs 8 8 5 5	93	23 25
Warner, S M	cer 3	5	1 25

PEASLEE AND SPARKS, GOLD AND SILVER MINING COMPANY,

		Shares.	Amount.
Bivins, Alex	cer 44	20	5 00
Bourne, W A	cer 20 27 28 29 30		
	shs 100 50 20 20 8	198	49 50
Creigh, S W	cer 4 5		
	shs 20 17¼	37¼	9 37
Copen, E E	cer 16 25 31 37 48		
	shs 12 12 12 12	60	15 00
Groves, Dock	cer 32 33 34 35 38		
	shs 100 50 20 20 8	198	49 50
Hill, R T	cer 12	10	2 50
Greenwell, J W	cer 17 18 45 46 47		
	shs 30 13 10 10 10	73	18 25
Norris, Jas C	cer 6	20	5 00
Noyes, E S	cer 1 9 10		
	shs 20 10 7¼	37¼	9 37
Peaslee, John	cer 38 39 40 41 42		
	shs 100 50 20 20 8	198	49 50
Reed, Wm H	cer 15	60	15 00
Smith, Wm A	shs 3	10	2 50
Sparks, L K	cer 20 21 22 23 24		
	shs 100 50 20 20 8	198	49 50

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company No. 305 Montgomery Street, on the 16th day of July, 1864, at 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. F. HUGHES, Secretary.

Office, No. 6 Mead House, 305 Montgomery Street, San Francisco. 1

La Libertad Gold and Silver Mining Company, Cachachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 7th day of June, 1864, an assessment of twenty-five cents per share, was levied upon the Capital Stock of said company, payable on the 8th day of June, 1864, in United States Gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 8th day of August, 1864, to pay the delinquent assessment and costs of advertising and expenses of sale. By order of the board of Trustees.

WILLIAM VALE, Secretary.

Office, 55 & 56 Exchange Building, San Francisco, Cal. 26-4t

Lord Byron Gold and Silver Mining Company Devil's Gate District, N. T.

NOTICE.—The Annual meeting of the Stockholders of the Lord Byron Gold and Silver Mining Company, for the election of Trustees and transaction of other business, will be held at the office of the Secretary, No 620 Washington street, Room 3, San Francisco, on Wednesday, July 20th, 1864, at 7½ o'clock P. M. H. B. CONGDON.

25-4t Secretary.

Moonlight Gold and Silver Mining Company, Indian District, Humboldt County, Nevada Territory.

At a meeting of the Trustees of the above named Company, held November 4th, 1863, an assessment of one dollar was levied upon each and every share of the Capital Stock thereof, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco. Said assessment must be paid on or before the 20th day of July, 1864, as all stock delinquent on that date will be advertised and sold in accordance with law. By order of the Board of Trustees. (26-4t) LAWRENCE C. OWEN, Secretary.

NOTICE.

Notice is hereby given that a meeting of the Stockholders of the Moscow Gold and Silver Mining Company will take place on Monday, August first, 1864, at 4 o'clock P M. All shareholders are requested to be present as business of importance will be brought before the Company. By order of Trustees. GEO. STURTEVANT, Secretary.

1-5t Office, 608 Montgomery street.

McDermott Gold and Silver Mining Company. Devil's Gate District, Lyon County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an Assessment of One Dollar per share was levied upon the Capital Stock of said Company, payable on the 21st day of July, 1864, in United States gold coin, to the Secretary, or to Thomas McNamara, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the tenth day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees. GEO. A. BALL, Secretary.

Office, 509 Clay Street, San Francisco. 26-4t

Mechanics Gold, Silver and Copper Mining Company, Clayton Mining District, Clayton, Contra Costa County, California.

NOTICE.—There is delinquent upon the following described stock on account of assessments levied on the 26th day of May, 1864, the several amounts set opposite the names of respective shareholders as follows:

Name	No. Cert.	No. Shares	Amt.
F M Kimball	254	10	$50
A E Du Bois	267	5	25
C Schreiber, part	323	5	25
J M Stewart	66	100	5 00
J M Stewart	69	50	2 50
J M Stewart	70	10	50
J M Stewart	71	10	50
J M Stewart	92	10	50
A Husing	309	5	25
Geo Wall	440	50	2 50
Geo Wall	441	25	1 25
Geo Wall	442	25	1 25
D Winter	166	50	2 50
D Winter	167	50	2 50
D Winter	188	25	1 25
D Winter	189	25	1 25
D Winter	190	25	1 25
D Winter	191	25	1 25
H S Bestor	344	5	25
Chas Rinue	392	100	10 00
Joel Clayton	163	25	1 25
Joel Clayton	184	25	1 25
Joel Clayton	165	25	1 25
E E Walker	369	60	4 00
E E Walker	370	50	2 50
E E Walker	371	50	2 50
J Cerf	40	50	2 50
J Cerf	45	25	1 25
J Cerf	44	25	1 25
N Gough	415	100	5 00
N Gough	416	100	5 00
L E Morgan	424	25	1 25
L E Morgan		200	10 00
J F S Smith		10	50
Joseph Polger	432	50	2 50
G W Morgan	366	100	5 00
J J Scotchlor	372	10	50
J P Rogers	436	50	2 50
G W Swain	437	100	5 00
G W Swain	436	100	5 00
E J Baldwin	439	210	10 50
W F Hughe	543	45	2 25
N R Lowell	170	100	5 00
N R Lowell	171	100	5 00
J H Braley	444	90	4 50
J H Braley	445	25	1 25
G M Burnham	446	50	2 50
G M Burnham	447	44	2 20
J C Gardner	449	15	75
J B Reinhardt	384	25	1 25
J B Reinhardt	385	25	1 25
S Messenger	384	25	1 25
S Messenger	387	25	1 25
Fred Hess	390	10	50
Jas Graves	454	20	1 00
Jas Graves	455	20	1 00
E M Chapin	398	25	1 25
Joseph Felloon	272	100	5 00
W W Collins	149	25	1 25
W W Collins	150	25	1 25
W W Collins	153	25	1 25
W W Collins	154	25	1 25
W W Collins	155	25	1 25
J S Scott	402	50	2 50
J Everdug		10	50
S A Eagles	8	25	1 25
Mary Murphy	147	20	1 00
F A Kimball	156	50	2 50
C A Bryant	403	10	50
N B Mulville	404	15	75
E B Mastick	290	50	2 50
A Williamson	199	25	1 25
F O Wagoner	200	10	50
M Davis	336	5	25
W A White	208	15	75
W A White	209	15	75
O Loucks	237	50	2 50
O Loucks	238	25	1 25
O Loucks	239	25	1 25
B S Hines	243	10	50
B S Hines	266	5	25
J Holmes	244	25	1 25
J Holmes	249	75	3 75
L W Kimball	251	10	50
F J Schaeffer & Co	261	17	85

And in accordance with law, and an order of the Board of Trustees made on the 25th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the sales room of Jerome Rice & Co., on the 13th day of July, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with cost of advertising and expenses of the sale.

A. B. WINEGAR, Sec'y.

25-4t Office, No 322, Front Street, San Francisco.

Olympic Gold and Silver Mining Company, Big Creek District, Lander county, N. T.

Notice is hereby given that in accordance with the laws of the state of California, and an order duly made by the Board of Trustees of said company, there will be sold at public auction, to the highest bidder for cash, in U. S. Gold coin, at the office of the company, No. 1 & 2 Government House, corner of Washington and Sansome streets, San Francisco, on Monday, July 18th, 1864, at 11 o'clock, A. M., so many shares of the capital stock of said company standing in the names of the following named shareholders as will be necessary for the payment of assessment No. 2, for ten cents per share levied July 25th, 1863. Assessment No. 3, for 20 cents per share, levied Sept. 21st, 1863. Assessment No. 4, for 50 cents per share, levied Nov. 19th, 1863, together with expenses of advertising and all other expenses of sale.

Names.	No. of Shares.	Ass't. No. 2 of 10c	Ass't. No. 3 of 20c	Ass't No. 4 of 50c
Anderson, W N	20	$—	$—	$10 00
Baker, H W	5	—	—	2 50
Greely, O F	25	—	3 00	—
Gray, John	25	—	—	8 00
Pinkham, J F	10	—	2 00	—
Rogers, W H	100	3 50	—	10 00
Sherwood, Benj	10	—	2 00	—
Uhrig, C A	36	—	—	18 00
Vosburg, J N	10	—	—	5 00
Wells, Cyrus	25	—	—	12 50

25-4t M. A. WHEELER, Secretary.

Orinoco Gold & Silver Mining Company, Carroll Gold & Silver Mining Company, Brooklyn Gold & Silver Mining Company, Lapland Gold & Silver Mining Company, Victorin Gold & Silver Mining Company, Mohawk Gold & Silver Mining Company, Reeso River District, Lander County, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock, on account of assessments levied on the 28th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

ORINOCO GOLD AND SILVER MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount
G Morrill,	1	100	$50 00
G Morrill	2	100	60 00
J T Crow,	3	100	50 00
J T Crow,	61	25	12 50
J T Crow,	62	25	12 50
J T Crow,	63	25	12 50
N Carroll,	5	50	25 00
N Carroll,	6	50	25 00
N Carroll,	7	50	25 00
N Carroll,	8	50	25 00
C Johnson,	30	20	10 00
C Johnson,	39	10	5 00
C Johnson,	40	10	5 00
C Johnson,	41	10	5 00
C Johnson,	42	10	5 00
C Johnson,	43	5	2 50
C Johnson,	44	6	2 50
C Johnson,	45	5	2 50
C Johnson,	46	5	2 50
C Johnson,	47	5	2 50
C Johnson,	48	5	2 50
C Johnson,	49	5	2 50
C Jobuson,	50	5	2 50
C Johnson,	51	7	3 50
B A Rice,	27	40	6 00
A F Schellhorn,	15	46	12 00
Moses McAra,	16	48	24 00
E B Vanderhoef,	20	8	4 00
E B Vanderboef,	56	4	2 00
Andrew Thompson,	25	4	2 00
Geo Cobb,	14	6	4 00
Mrs Almira Adams,	26	8	4 00
F Hiller,	60	5	2 50
Nelson Soggs,	64	10	5 00
Nelson Soggs,	65	10	5 00
Nelson Soggs,	66	10	5 00
Nelson Soggs,	67	13	5 00
Mary W Soggs,	33	10	6 50
W H Crawford,	53	9	4 50
A B Carley,	55	11	5 50
W S Frink,	59	5	2 50
Wm Martin,	50	25	12 50
H Mackio	68	46	12 00

CARROLL GOLD AND SILVER MINING COMPANY,

Names.	No. Certificate.	No. Shares.	Amount.
N Carroll	1	50	$25 00
N Carroll,	2	50	25 00
N Carroll,	4	63	31 50
N Carroll,	30	20	10 00
N Carroll,	31	10	5 00
N Carroll,	32	6	2 50
N Carroll,	33	5	2 50
N Carroll,	34	10	5 00
D Jewett,	5	113	06 50
D Jewett,	6	100	50 00
B A Rice,	11	20	5 00
B A Rice	37	5	1 25
A F Schellhorn,	12	20	5 00
Moses McAra,	16	20	10 00
E B Vanderhoef,	17	5	2 50
T B Vanderboef,	16	5	2 50
A Liud,	24	10	5 00
A Lind,	25	10	5 00
A Lind,	26	50	25 00
A Lind,	29	13	0 50
Mrs M V Thompson,	28	10	5 00
W B Bluett,	39	5	2 50
E Dewey,	41	5	2 50
N Barber,	42	5	2 50
H Mackio.	43	20	5 00
J H Wentworth,	45	5	2 50
Chas Rowan,	36	10	5 00

BROOKLYN GOLD AND SILVER MINING COMPANY.

Names.	Na. Certificates.	No. Shares.	Amount.
B A Rico,	10	20	5 00
B A Rice,	35	5	1 25
A F Schellhorn,	11	20	5 00
E B Vanderboef,	17	5	2 50
E B Vanderboef,	18	5	2 50
G Morrill,	36	25	12 50
Mrs M V Thompson	33	10	5 00
A Liud,	24	40	20 00
A Lind,	20	50	25 00
A Lind,	25	10	5 00
A Lind,	34	40	20 00
A M Wells,	5	80	40 00
N Carroll,	2	60	40 00
N Carroll,	3	60	40 00
N Carroll,	26	20	10 00
N Carroll,	27	10	5 00
N Carroll,	28	10	5 00
N Carroll,	29	10	5 00
N Carroll,	30	5	2 50
J T Crow,	1	80	40 00
W B Bluett	37	5	2 50
E Dewey,	40	5	2 50
H Mackie,	41	20	5 00
M McAra.	15	20	10 00

LAPLAND GOLD AND SILVER MINING COMPANY.

Names.	No. Certificates.	No. Shares.	Amount.
N Carroll,	1	160	$80 00
N Carroll,	2	160	80 00
C Johnson,	28	20	10 00
C Johnson,	29	15	7 50
C Johnson,	31	10	5 00
C Johnson,	33	10	5 00
C Johnson,	34	10	5 00
C Johnson,	35	5	2 50
C Johnson,	36	5	2 50
C Johnson,	37	5	2 50
C Johnson,	38	7	3 50
C Johnson,	39	5	2 50
C Johnson,	43	5	2 50
D Jewett,	5	60	40 00
B A Rico,	9	30	7 50
B A Rico,	40	5	1 25
A F Schellborn,	10	30	7 50
M McAra,	11	30	15 00
E B Vanderboef,	15	15	7 50
Audrew Thompson,	20	5	2 50
Mrs M V Thompson,	22	10	5 00
Nelson Soggs.	44	10	5 00
Nelsan Soggs,	45	10	5 00
Nelson Sogga,	46	10	5 00
Nelson Soggs,	47	10	5 00
Nelson Soggs,	48	13	6 50
H Mackie,	49	30	7 50

VICTORIA GOLD AND SILVER MINING COMPANY.

Names,	No. Certificate	No. Shares.	Amount.
N Carroll,	2	60	40 00
N Carroll,	37	20	10 00
N Carroll,	39	10	5 00
N Carroll,	40	10	5 00
N Carroll,	41	5	2 50
N Carroll,	42	25	12 50
C Johnson,	49	20	10 00
C Johnson,	50	10	5 00
C Johnson,	51	10	5 00
C Johnson,	52	10	5 00
C Johnson,	53	10	5 00
C Johnson,	54	5	2 50
C Johnson,	55	5	2 50
C Johnson,	56	5	2 50
C Johnson,	57	5	2 50
C Johuson,	56	6	3 00
D Jewett,	4	80	40 00
A Liud,	19	50	25 00
A Lind,	20	50	25 00
A Lind,	21	25	12 50
A Lind,	22	25	12 50
A Lind,	23	10	5 00
A Lind,	24	10	5 00
A Liud,	25	10	5 00
A Lind,	26	40	20 00
A Lind,	31	10	5 00
A Lind,	32	10	5 00
A Liud,	33	10	5 00
A Lind,	29	10	5 00
A Lind,	30	10	5 00
A Lind,	34	20	10 00
A Lind,	not issued	30	15 00
B A Rice,	9	32	6 00
A F Schellhorn,	10	32	6 00
M McAra,	12	32	16 00
E B Vanderboef,	36	10	5 00
Mrs M V Thompson,	26	16	6 00
Aadrew Friedenburg,	35	0	3 00
Nelson Soggs,	59	10	5 00
Nelson Soggs,	60	10	5 00
Nelson Soggs,	61	10	5 00
Nelson Soggs,	62	10	5 00
Nelsou Soggs,	63	20	10 00
Nelson Soggs,	64	14	7 00
H Mackie,	65	32	6 00
H Jacobs,	65	10	5 00

MOHAWK GOLD AND SILVER MINING COMPANY.

Names	No. Certificate.	No. Shares.	Amount.
J T Crow,	1	160	$44 00
N Carroll,	2	60	40 00
N Carroll,	3	60	40 00
N Carroll,	4	60	40 00
N Carroll,	5	80	40 00
C Johnson,	29	20	10 00
C Johnson,	30	20	10 00
C Johnson,	31	10	5 00
C Johnson,	32	10	5 00
C Johnsou,	33	10	5 00
C Johnson,	34	10	5 00
C Johnson,	35	5	2 50
C Johnson,	36	5	2 50
C Johnson,	37	5	2 50
C Johnson,	38	5	2 00
C Johnson,	39	7	3 50
M McAra,	22	10	5 00
A F Schollhorn	12	12	4 00
A F Schollhorn,	20	5	1 25
M McAra,	16	22	11 00
E B Vanderhoef,	17	11	5 50
A B Carley,	21	5	2 50
Nelson Soggs,	40	10	5 00
Nelsou Soggs,	41	10	5 00
Nelsou Soggs,	42	10	5 00
Nelson Soggs,	43	10	5 00
Nelsen Soggs,	44	13	5 50
H Mackie,	45	22	5 50
Mrs M V Thompson,	23	11	5 50

And in accordance with law, and an order of the Board of Trustees made on the 28th day of May. 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the Secretary, on the 16th day of July, 1864, at the hour of 12 o'clock M. of said day. to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

WM. G. WENDELL, Secretary.

Office, 240 Montgomery Street, corner Pine, San Francisco. 1

Porter Gold and Silver Mining Company, Jordan Hill, Butte county, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of June, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to J. L. PORTER, Superintendent, Yankee Hill, Butte county.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on WEDNESDAY, the 3d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McOALLAN, Secretary.

24-5t Office, No. 622 Clay street, San Francisco.

Prima Donna Gold and Silver Mining Company.—Location, Dovil's Gate District, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an Assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable on the 24th day of June, 1864, in United States Gold Coin, to the Secretary. or to Franklin Morgan, at Silver City.

Any stock upon which said Assessment shall remain unpaid on Saturday the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 15th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of sale. By order of the Board of Trustees. H. B. CONGDON, Secretary.

Office, No. 620 Washington Street, (Room 3) San Francisco.

26-5t

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 1

Quartz Hill Gold Mining Company, Placerville, El Dorado County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an Assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the office of the Company, No. 623 Montgomery Street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday the 23d day of July, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. GEORGE A. HILL, Secretary.

Office, No. 623, Montgomery Street, San Francisco, California. 26-4t

Rubicon Gold & Silver Mining Company, No. 1. Rubicon Gold & Silver Mining Company, No. 2. Rubicon Gold & Silver Mining Company, No. 3. Rubicon Gold & Silver Mining Company, No. 4. Keys District, Mono County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 21st day of June, 1864, an Assessment of ten cents per share, was levied upon the assessable Capital Stock of said Companies, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said Assessments shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. J. P. VAN HAGAN, Sec'y.

Office, Rooms 7 & 6, 3d floor, No. 302 Montgomery street San Francisco. 26-4t

Rhode Island Gold and Silver Mining Company, Keys Mining District, Mono county, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of June, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. W. MYRICK, Secretary.

Office, No. 526 Montgomery street, over Blue Wing Saloon, San Francisco. 24-5t

Sisters Gold and Silver Mining Company, Augusta District. Lander county, N. T. Office, 406 Front street, San Francisco, June 22, 1864.

Notice is hereby given, that a meeting of the Trustees of said Company, held October 17th, 1863, an Assessment, No. 1, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No. 2, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Both Assessments, No. 1, and No. 2, payable immediately, in United States gold coin to the Treasurer at the office of said Company, or to John Moffet, Superintendent, at the mine, in Nevada Territory.

Any stock upon which said Assessments shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with cost of advertising and expenses of sale.

25-4t J. FRANK MILLER, President.

Seely Gold and Silver Mining Company Big Creek District, Lander county, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of said Company, there will be sold at public auction to the highest bidder for cash, in U. S. Gold Coin, at the office of the Company, No. 1 & 2 Government House, corner of Washington & Sansome streets, San Francisco, on Monday, July 18th, 1864, at 11 o'clock, A. M. so many shares of the Capital stock of said Company standing in the names of the following named shareholders as will be necessary for the payment of Assessment No 2, for 25 cts. per share levied Oct. 1st, 1863. Assessment No. 3 for 25 cents per share, levied Nov. 21st, 1863. Assessment No. 4, for 50 cents per share, levied Feb. 9th, 1864, together with expenses of advertising and all other expenses of sale.

Names.	No. of Shares.	Ass't. 2 of 25c.	Ass't. 3 of 25c.	Ass't. 4 of 50c
Anderson, J M	5	—	—	$2 50
Calhoun, A	67½	—	—	43 75
Capron, John S	25	$6 25	$6 25	12 50
Condee, G M	10	—	—	5 00
Dwarakowsky, Count	43½	—	10 67	21 75
Gray, John	25	6 25	6 25	12 50
Greely, O F	10	—	—	5 00
Greely, S	5	—	—	2 50
Hulburd, H S	20	—	—	10 00
Hall, J J	100	—	—	50 00
Parker E	120	—	2 50	60 00
Perkins, J L	40	—	—	20 00
Rogers, Wm H	110	(not issued)	—	55 00
Seely, G F	90	22 50	22 50	45 00
Squires, Ogden	170	42 50	42 50	65 00
Turner, Geo R	44	11 00	11 00	22 00
Uhrig, C A	15	3 75	3 75	7 50
Veatch, Dr J A	60	20 00	20 00	40 00
Wells, Cyrus	25	—	6 25	12 50

25-4t HENRY S. BROOKS, Secretary.

Sierra Madre Gold and Silver Mining Company, Spring District, San Bernardino county, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective share holders, as follows:

Names.	Certificate.	Shares.	Amount.
Allen, H T	18	70	
do	19	68	
do	20	68	10 30
Austin, F B	183	8	
do	184	25	
do	185 & 187 en 10	20	2 65
Ashley, S J	282	6¾	33
E S Bennett	95	5	25
Brown, Samuel	182	5	25
Bloomer, T	224	10	50
Baldwin, M M	230 & 231 ea 5	10	50
Cheeney, J	64	16¾	
do	68 & 69 ea 20	40	
do	70 & 76 en 10	20	
do	79 & 82 ea 5	10	6 70
Conrad, D	117 & 119 ea 10	20	
do	118 & 120 ea 7¼	14½	1 73
Chapin, G W	142	4 7-12	23
Corwin, J R	210	10	50
Downie, J J	211 & 212 ea 5	10	
do	213	8	
do	214	20	
do	215, 216, 217, 218 en 10	40	
Edgeworth, P	170	5	25
Flint, W K	140	8¾	43
Hamilton, Chas	23	20	
do	27, 28 & 29 ea 10	30	
do	30, 31, 32 & 35 ea 5	20	3 50
Hnthaway, Chas	172	40	2 00
Hnrrington, Geo	105	10	50
Knowles, S H	1 & 2 ea 5	10	
do	3, 4, 5, 6, 7, 8, 10 ea 10	70	
do	12 & 13 ea 50	100	
do	14	18¾	9 38
Livermore, H G	35	216¾	10 83
Mahan, H W	220	10	50
Oliphant, H D	146	17¾	88
Oakes, Jno	222	5	25
Riddell, G W	221	5	25
Smith, W P	16, 86, 88, 80, 92, 93, 109, 110 & 111 ea 10	90	
do	148	6¾	
do	149, 150, 151, 152, 153, 154, 155, 156, 157 en 5	45	
do	158, 159, 160, 194 ea 10	40	9 08
Smith, J F	64	78¾	3 93
Stone, S A Jr	147	10	50
Taylor, Jos	200 & 201 ea 5	10	50
Taylar, Jno	112	25	1 25
Upham, J M	171	5	25
Whiting, W J	91	50	2 50
Webster, F E	226	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, Room 6, 611 Clay street, San Francisco, on the 16th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

O. BOWER, Secretary.

1 Office, No. 611 Clay street, San Francisco.

Selleck and Valley Forge Copper Mining Companies, Amador County, Office, 610 Front Street, Room 4, up stairs.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SELLECK COMPANY.

Names.	No. Cert.	No. Shares.	Amt.
John D Demeut,	46 to 49	200	$50 00
G R Cady,	42 to 45	180	45 00
W Ingersoll,	32 to 34 and 169,	175	43 75
S Selleck,	84 to 88, & 149, 150	500	125 00
J W Selleck,	69 to 92	200	50 00
Geo S Ingersoll,	38	25	6 25
G. H. Russell,	155	13	3 25
J Johnson,	137	5	1 25
E Saunders,	177	10	2 50

VALLEY FORGE.

Silas Selleck,	40 to 42 & 94	175	70 00
J. Chamberlin,	not issued	100	40 00
G W Thomas,	169 to 77	100	40 00
W M Huntoon	92	15	5 20
L C Kelley	69	20	6 00

And in accordance with law and an order of the Board of Trustees, made on the 18th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23rd day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

EDWARD F. BENT.

26-4t Secretary.

Sierra Consolidated Gold and Silver Mining Company.—Location of Works in Sierra County, Cal

Notice.—There are delinquent, upon the following described stock, on account of assessment levied on the 23d day of May, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Cert.	No. Shares,	Amt.
Barrett, F A	752	10	$ 2 50
Barrett, F A	1995	10	2 50
Barrett, F A	1096	9	2 25
Brownlee, John	854	1	25
Brenham, C J	933	33	8 25
Byrne, H H	969	10	2 50
Betancur, Joseph	996	20	5 00
Baby, F R	1035	50	12 50
Baby, F R	188	50	12 50
Baby, F R	189	50	12 50
Baby, F R	190	50	12 50
Baby, F A	191	50	12 50
Baby, F A	1054	50	12 50
Barnett, Harry	25	5	1 25
Bohm, Wm	341	5	1 25
Burdeck, E F	497	5	1 25
Burdeck, E F	499	5	1 25
Burdeck, E F	610	10	2 50
Barbadoes, F G	1170	10	2 50
Bibbins, T L	1166	25	6 25
Chinn, George	19	5	1 25
Chinn, Emma	23	5	1 25
Cunningham, David	526	10	2 05
Cory, S W	441	100	25 00
Cory, S W	444	100	25 00
Cory, S W	445	100	25 00
Cory, S W	1105	10	2 50
Cory, S W	1120	50	12 50
Cory, S W	1116	25	6 25
Compes, H	1196	5	1 25
Chase, Q A	309	100	25 00
Crowley, Johanna	782	20	5 00
Corcoran, Wm	919	10	2 50
Corcoran, Wm	1050	30	7 50
Cashman, Wm	1014	30	7 50
Chase, H A	1010	5	1 25
Daily, James	237	127	31 75
Daily, James	238	20	5 00
Daily, James	670	18	4 50
Dean, A M	272	25	6 25
Dean, Benjamin	273	25	6 25
Dean, Benjamin	868	50	12 50
Donnelly, John	863	10	2 50
Dermoody, James	950	17	4 25
Dermoody, James	964	13	3 25
Durkin Edward	974	1000	250 00
Drumm Thomas	1062	50	12 50
Drumm, Thomas	1065	25	6 25
Drumm, Thomas	1067	25	0 25
Drumm, Thomas	1077	50	12 50
Garategny, Marie	342	20	5 00
Gilhooly, Thos	681	20	5 00
Green, F P	709	50	12 50
Green, F P	710	10	2 50
Green, F P	760	20	5 00
Gleason, W B	1061	10	2 50
Gleason, W B	1083	45	11 25
Gilman, A M	1068	10	2 50
Hawkins, Arthur	1	233	58 25
Hawkins, Arthur	2	234	58 50
Hawkins, Arthur	3	200	50 00
Hawkins, Arthur	4	11	2 75
Hawkins, Arthur	5	10	2 50
Hawkins, Arthur	6	10	2 50
Hawkins, Arthur	7	2	50
Hawkins, James	10	20	5 00
Hawkins, James	12	20	5 00
Hawkins, James	15	89	22 25
Hawkins, James	768	50	12 50
Hawkins, Wm	224	7	1 75
Hawkins, Wm	805	5	1 25
Hawkins, Wm	225	10	2 50
Hawkins, Wm	226	20	5 00
Hawkins, Wm	228	184	46 00
Hawkins, Wm	780	10	2 50
Hawkins, Michel	241	20	5 00
Hawkins, Michel	242	20	5 00
Hawkins, Michel	521	120	30 00
Hitchcock, W F	502	5	1 25
Hitchcock, W F	568	20	5 00
Hitchcock, W F	560	20	5 00
Hitchcock, W F	1078	4	1 00
Hitchcock, W F	1167	25	6 25
Hotaling, Mrs A P	895	20	5 00
Higgins, Mark W	913	100	25 00
Higgins, Mark W	914	50	12 50
Higgins, Mark W	915	10	2 50
Higgins, Mark W	910	100	25 00
Hawley Chas A	950	25	6 25
Joacs, J W	477	5	1 25
Jackson, Otis	807	25	6 25
Journe, J Mario	980	25	6 25
Journe, J Marie	488	25	6 25
Janes, J L	989	5	1 25
Kellogg, C W	672	700	175 00
Kuhne, Arnold	843	10	2 50
Kelly, Thomas	1051	10	2 50
Kelton, S B	1080	25	6 25
Kolton, S B	1081	25	6 25
Linen, James	756	50	12 50
Linen, James	756	50	12 50
Lineu, James	757	25	12 50
Linen, James	758	25	12 50
Lineu, James	890	80	20 00
Lovy, A	688	10	2 50
Lowenstein, J	800	10	2 50
Lay, John	855	1	25
Molineaux, Henry	705	100	25 00
McGovern, P	486	100	25 00
McGovern, P	487	100	25 00
McGovern, P	722	50	12 50
McGovern, P	723	15	3 75
McGovern, P	803	60	15 00
McGovern, P	880	100	25 00
McGovern, P	931	200	50 00
McGovern, P	987	250	62 50
McGinlay, R	545	5	1 25
McElroy, James	702	10	2 50
McElroy, James	893	20	5 00
McElroy, James	1161	20	5 00
McNally, T	764	30	7 50
Murray, Mrs M	900	25	6 25
Murray Mrs M	938	13	3 25
McCarthy, James	1053	13	3 25
McFyke, Barnard	750	20	5 00
Pearson, Wm	613	5	1 25
Pearson, E A	718	5	1 25
Pearson, Edward	719	00	22 50
Pearson, Edward	718	50	12 50
Pearson, Isabella	1098	50	12 50
Peck, E T	767	10	2 50
Peck, E T	778	20	5 00
Pink, H	772	10	2 50
Osborne, G W	905	10	2 50
Owens, J J	1173	50	12 50
Ramsey, J D	601	20	5 00
Ramsey, J D	602	5	1 25
Riley Cornelius	802	5	1 25
Sears, J F	1157	10	2 50
Smith, James	1162	150	37 50
Sims, Charles	944	5	1 25
Sydow, D J	1023	50	12 50
Sydow, D J	1024	50	12 50
Sydow, D J	1025	25	6 25
Sydow, D J	1026	20	5 00
Sydow, D J	1027	10	2 50
Standish, Sarah	1003	12	3 00
Smith, Mrs M J	475	50	12 50
Stewart, I R	766	10	2 50
Stokes, J C	18	25	12 50
Stokes, Mary A	30	30	7 50
Stokes, W C	42	25	6 25
Stokes, W C	43	25	6 25
Stokes, W C	44	25	6 25
Stokes, W C	45	10	2 50
Stokes, W C	46	10	2 50
Stokes, W C	48	10	2 50
Stokes, W C	49	10	2 50
Stokes, W C	51	10	2 50
Stokes, W C	56	20	5 00
Stokes, W C	58	20	5 00
Stokes, W C	59	20	5 00
Stokes, W C	983	3	75
Stokes, W C	960	5	1 25
Servolle, Placide	345	5	1 25
Tohin, M E	614	20	5 00
Todd John	850	50	12 50
Torning, T A	872	5	1 25
Torning, Mrs, E	975	50	12 50
Torning, Mrs E	999	20	5 00
Taylor, Laura A	1164	110	27 50
Thurbur, A,	1046	2	50
Walsh, S T	221	20	5 00
Wulsh, S T	222	10	2 50
Walsh, S T	223	10	2 50
Wulsh, S T	970	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at auction, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock, M., to pay said delinquent Assessments thereon, together with costs of advertising and expenses of sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. 26-4t

POSTPONEMENT.—The above sale is postponed to Monday, the 18th day of July, 1864, at the same hour and place. By order of the Board of Trustees,

T. L. BIBBINS, Secretary.

San Francisco Gold and Silver Mining Co.

Rock Spring District, San Bernardino County, California.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows, being five cents per share:

Names.	Certificate.	Shares.	Amount.
Allen, H T	17	70⅔	
do	18	68	
do	19	68	10 33
Austin, F B	181	8	
do	182	25	
do	183	10	
do	184	10	
do	185	10	3 15
Burnett, E S	95	5	25
Brown, Samuel	180	5	25
Cheney, Jas	63	16⅔	
do	66	20	
do	67	20	
do	69	10	
do	74	10	
do	78	5	
do	80	5	3 43
Conrad, D	118	7½	
do	119	10	
do	120	10	
do	121	7½	1 72
Chapin, G W	143	4 7-12	25
Currie, G C	218	5	25
Downie, J J	85	10	
do	207	5	
do	208	5	
do	209	8	
do	210	20	
do	211	10	
do	212	10	
do	213	10	
do	214	10	4 40
Edgeworth, P	170	5	25
Flint, W K	141	8⅔	44
Fnster, W W	127	10	50
Hamilton, C	21	20	
do	22	20	
do	23	10	
do	29	5	
do	31	5	
do	33	5	3 25
Hathaway, Chas	172	40	2 00
Harringtnn, Geo	97	10	
dn	98	6	80
Knowles, S H	1 & 2 5 ea	10	
do	3 & 5 10 ea	20	
do	9 & 10 10 ea	20	
do	12 & 13 50 ea	100	
dn	14	16⅔	8 33
Livermore, H C	34	216⅔	10 83
Mahan, H W	216	10	50
Oliphant, H D	147	17¼	87
Rowley, J B	142	4	20
Schumacher, L	48	133⅓	6 93
Smith, W P	85	10	
do	86	10	
do	87	10	
do	88	10	
do	91	10	
do	92	10	
do	93	10	
do	109	10	
do	110	10	
do	111	10	
do	148	6⅔	
do	149, 150, 151, 152, 153, 154, 155, 156, 157 } ea 5	45	7 58
Smith, I F	94	78⅔	3 93
Stoue, S A Jr	113	10	50
Stilwell, B F	186	15	75
Taylor, John	114	25	1 25
Thurber, I L	228	10	50
Upham, I M	171	5	25
Whiting, W J	90	50	2 50
Wells, O M	217	20	1 00
Webster, H E	220	5	25

And in accordance with law, and an order of the Board of Trustees made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, Room 8, 611 Clay street, San Francisco, on the 16th day of July, 1864, at 12 o'clock M., of said day, to pay said delinquent assessments, together with the costs of advertising and expenses of the sale.

O. BGWER, Secretary.

Office, 611 Clay street, San Francisco. 1

Schmeltzer Mining Company, American

District, Humboldt County, Nevada Territory.

A Stockholders' meeting of the Schmeltzer Mining Company will be held at the office of the company, 645 Clay st., on Wednesday, the 3d of August, 1864, at 7½ P. M., for the election of officers, and such other business as may be presented. M. G. ELMORE, Secretary.

San Francisco, July 2, 1864. 1-4t

Steamboat Silver Mining Company, Star District, Humboldt Co., Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23th day of May, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on SATURDAY, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on TUESDAY, the 2d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. G. PUTMAN, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 25-4t

Schmeltzer Mining Company, American

District, Humboldt County, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock, on account of assessment levied on the 11th day of April, and 25th day of August, 1863, the several amounts set opposite the names of the respective shareholders, as follows:

ASSESSMENT NO 1, LEVIED APRIL 11, 1863.

Names.	No. Certificate.	No. Shares.	Amount.
Holt Warren,	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	$10 00
dn do	25	6	1 50
do do	155	35	8 75
Lathrop, A B	189 & 189½, 100 sh's ea	200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 195 197, 25 sh's ea	100	25 00
do do	194 & 196, 10 sh's ea	20	5 00
do do	199	13	3 25
Brown, John	200	20	5 00
Dikeman, J		186	46 50
Catlin, E	202	40	10 00
Dryden, W R	205	55	13 75

ASSESSMENT NO. 2, LEVIED AUGUST 25, 1863.

Neal, T It	42	1	25
Holt Warren	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B	189 & 189½, 100 sh's ea	200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 195, 197, 25 sh's ea	100	25 00
do do	194 & 196 10 sh's ea	20	5 00
do do	199	13	3 25
do do	198	20	5 00
Barker, H M	157	1	25
do do	10	10	2 50
do do	164	25	6 25
Brown, John	163	70	17 50
do do	206	20	5 00
Schmeltzer, Geo	69	3	75
do do	26 and 28 5 sh's ea	10	2 50
do do	70	2	50
do do	108	15	3 75
Neal, Z H	136	23	5 75
do do	44 142 143 50 shs' ea	140	35 00
do do	144	25	6 25
do do	154	14	3 50
Schmeltzer, John	109 110 111 112 5 sh's ea	20	5 00
do do	113 114 115 117 5 sh's ea	40	10 00
do do	118 119 120 121 122 128 15 sh's ea	90	22 50
do do	123 124 125 20 sh's ea	60	15 00
do do	6 126 127 25 sh's ea	75	18 75
do do	131 132 133 100 sh's ea	300	75 00
do do	129	50	12 50
Bryan, Henry,	52	50	12 50
do do	33	25	6 25
do do	36	8	2 00
Davis, W H	9	5	1 25
Banson L	41	25	6 25
Knapp W H	48	20	5 00
do do	71 and 72 10 sh's ea	20	5 00
Wolf, J M	60	5	1 25
Fray, I C	92	118	29 50
Douglas J M	76	5	1 25
do do	63	1	25
do do	152	10	2 50
Halno Joseph	66	20	5 00
Woodward Wm	79	100	25 00
do do	74	10	2 50
Christian E J	73	5	1 25
Hayward B	178	90	22 50
McDonald D A	82	10	2 50
Parks W A	83	5	1 25
Bucklin E P	91	7	1 75
Whiting W J	96	5	1 25
Hill M M	96	10	2 50
do do	97	5	1 25
Conolly W J	99	10	2 20
do do	100	14	3 50
Treadwell J J	101	5	1 25
do do	180	5	1 25
McDonld Maria B	104	5	1 25
Mayer Robert	107	5	1 25
Hadley D L	139	10	2 50
Hanson L B	153	10	2 50
Brereton J	165	8	2 00
Darnell H Y	167 and 169 10 sh's ea	20	5 00
do do	159 160 161 162 20 sh's ea	80	20 00
Burdick E B	175	5	1 25
Brown R W	172	5	1 25
Webb F A	177	10	2 50
Bewley A H	179	5	1 25
Trakey E D	181	25	6 25
Robertson W E	184	10	2 50
do do	182 and 183 25 sh's ea	50	12 50
Welton M	188	5	1 25
Catlin E	202	40	10 00
Dryden W R	205	55	13 75
McLane J	151	20	5 00
Dikeman Joseph	not issued	186	46 50

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, 645 Clay street, on the 3d day of August, 1864, at the hour of 10, o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary.

Office, 645 Clay street, San Francisco, July 2, 1864. 1-4t

Silver Creek Mining Company, Keyes Mining District, Mono County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessments levied on the 30th, day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Am't.
T H Stevens,	103 to 114, 20 shs. ea,	140	$ 70 00
T H Stevens,	115 & 116, 5 shs. ea.	10	5 00
Alfred Luelling,	stock not issued	300	150 00
H W Eldy,	stock not issued	300	150 00
John Evans,	stock not issued	200	100 00
John Evans,	1, 2, 3, 4, 25 shs. ea,	100	50 00
Samuel Millbury,	51 & 52, 100 shs. ea.	200	100 00
J B L Millbury,	54	50	25 00
Henry Bush,	36, 79, 80, 81, 25 sh ea	100	50 00
Henry Bush,	77	100	50 00
Henry Bush,	83 to 97, 15 shs ea	150	75 00
Mrs. J H Nevins,	143	50	25 00
A L Carman,	17	10	5 00
G C Carman,	18	20	10 00
M P Buzinburg,	132	25	12 50
G K Beede,	27	10	5 00
G K Beede,	133	15	7 50
Robt L Hill,	53	50	25 00
E A Saxo,	59 60 61, 50 shs ea	150	75 00
E A Saxe,	62	25	12 50
James J Lyons,	144	12	6 00
Samuel Sellers,	20	20	10 00
Mrs S Sellers,	19	10	5 00
Wm G Sellers,	21	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of May, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the auction rooms of Messrs. Jerome Rice & Co., No, 327, Montgomery street, San Francisco, on Wednesday, the 13th day of July, 1864, at One o'clock P. M. of said day, to pay the delinquent assessments thereon, (being fifty cents per share) together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.

Office, 416 Washington Street, San Francisco, June 25th, 1864. 26-3t

POSTPONEMENT.—The above sale is postponed until Saturday, July 23d, 1864, at the same place and hour. By order of the Board of Trustees. J. F. MILLER, Secretary.

2-2t

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of One and Fifty Hundredths ($1.50) Dollars per Share was levied upon the Capital Stock of said Company, payable immediately to the Secretary in United States Gold Coin, at the office of the company in this city.

Any Stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees. SAM. P. HOWES, Secretary.

Office, 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 1-5t

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras county.

There are delinquent upon the following described stock, on account of assessment levied on the 21st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shs.	Am't
R S Findley.	not issued	150	$15 00
Daniel Hunt,	dn	150	15 00
Kendrick Hunt,	do	150	15 00
John Findley,	dn	150	15 00
John Grier,	dn	150	15 00
John Black,	dn	150	15 00
Ben McDonald,	dn	150	15 00
Robert McDonald,	do	150	15 00
Smith Gildersleeve,	dn	75	7 50
Sam Brummer,	do	150	15 00
Conrad Dyser,	do	150	15 00
Ed Cornilius,	do	150	15 00
Hammond Oatman,	do	150	15 00
Ran Dean,	do	150	15 00
Augustave Shriver,	dn	150	15 00
Joe Bean,	do	150	15 00
G K Smith,	dn	150	15 00
Geo Nunby,	do	150	16 00
L Soler,	do	150	15 00
R Stengal,	do	150	15 00
Y B Smith	do	150	15 00

And in accordance with law and an order of the Board of Trustees made on the 21st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at John Black's Hotel, on the 9th day of July, 1864, at the hour of 12 o'clock M, of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. J. J. FINDLEY, Secretary.

1-2t Office, on Rock Crock, Calaveras co., California.

United States Gold and Silver Mining Company.—Mine located in Lander County, Nevada Territory.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assesment No. 1, levied December 23d, 1863, and Assessment No. 2, levied February 6th, 1864, of $40 per original share, the several amounts set opposite the names of the respective Shareholders, as follows:

ASSESSMENT NUMBER ONE.

Names.	No. Feet.	Amount.
E Lashier,	400—stock not issued	$12 00
J S Schuster,	332—stnck not issued	9 96
George Baumer,	334—stnck not issued	10 02
Henry Schutz,	334—stock not issued	10 02
D B James,	100—stock not issued	3 00
D Tourtellotta,	200—stock not issued	6 00

ASSESSMENT NUMBER TWO.

Fisher M Clarke,	400—stock not issued	20 00
F Lashier,	400—stnck not issued	20 00
R R Fuller,	334—stock not issued	10 70
J S Schusler,	332—stnck not issued	16 70
George Baumer,	334—stock not issued	16 70
Henry Schutz,	334—stock not issued	16 70
D B James,	100—stock not issued	5 00
D Tourtellntta,	200—stock not issued	10 00

And in accordance with law, and an order of the Board of Trustees, made on the twentieth day of May 1864, so many shares of each parcel of said stock as may be necessary will be sold at the auction rooms of John Middleton & Son, No. 400 Montgomery street, San Francisco, on MONDAY, the 29th day of June, 1864, at 12 o'clock M. of that day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco.

San Francisco, May 20th, 1864. 21-tf

POSTPONEN.—The above mentioned sale is postponed until the 11th day of July next, at the same hour and place. By order of the Board of Trustees. T. L. BIBBINS, Sec'y.

San Francisco, June 22, 1864. 26-td

Warfield Mining Company, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately to Thatcher Ross, Gold Hill, Placer County, or to the Secretary at the office of the Company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 22d day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. R. K. ALLEN, Secretary

Office, No. 16 Metropolitan Block. 1-5t

Wm. Mitchell Gold and Silver Mining Company, Silver Mountain, Amador County, Cal.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 16th day of June 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold or silver coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on the 21st day of July, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on FRIDAY, the 5th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees A. G. WGGD, Secretary.

Office, S. E. Cornor Montgomery and Pine streets, San Francisco. 26-4t

Winona Gold and Silver Mining Company, Moss Lode, San Francisco District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of June, 1864, an Assessment of twenty-five cents per share was levied upon the Capital Stock of said Company, payable on the 11th day of June, 1864, in United States gold and silver coin, to the Secretary, No. 11 Government House, City and County of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 9th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 27th day of July, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale.

EDW. QUACKENBUSH, Secretary.

Office, No. 11, Government House, cor. Sansome and Washington streets. 24-4t

Wellington Gold and Silver Mining Company. Wellington Ledge, No. 2, South Catalina Island.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 9th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certif.	No. Shares.	Amt.
W J Woodley,	14	25	6 25
W J Woodley,	15	25	6 25
W J Woodley,	16	25	6 25
Wesley Deggins,	18	200	Bal. 6 00
B F Swan,	19	200	Bal. 20 00
H A Boylo	31 }	50	Bal. 2 50
H A Boylo	32 }		

And in accordance with law and an order of the Board of Trustees, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, on Monday, the 11th day of July, 1864, at the hour of 10 o'clock, A. M., of said day, to pay said delinquent Assessment thereon, together with casts of Advertising and expenses of Sale.

S. C. GARDNER, Secretary.

Office, 605 Sacramento street. San Francisco. 26-2t

SPONTANEOUS GENERATION.—The question of spontaneous generation, about which so much has been written within the last fifteen years, seems to be in a fair way to be definitely settled. According to the *Comtes Rendus*, the French Academy of Science has appointed a Commission to make a full investigation of the subject, by a careful enquiry into the evidence for and against the theory. The gentlemen who claim to have produced spontaneous generation, are invited to repeat their experiments in the presence of the Commission. The invitation has been promptly accepted, and learned gentlemen, who have taken an active interest on both sides, have signified their willingness to submit the questiou to the fair and final decision proposed. Those favoring the theory appear to he quite sanguine of success, and express their most perfect confidence in the ability and impartiality of the Commission.

BEEF STEAKS are said to have been invented by Lucius Placus, a Roman condemned by Trajan, for some offence, to act as one of the menial sacrificers to Jupiter. The fragments of the victim being laid upon the fire, the unfortunate seuator was compelled to turn them. In the process one of the slices slipped off the coals, and was caught by Placus in its fall. It hurued his fingers, and he instinctively put them into his mouth; in that momeut he made the grand discovery that the taste of a slice thus carbonated was infinitely beyond all the old, sodden cookery of Rome. Turning the whole ceremony into a matter of appetite, he swallowed every slice—deluded Trajan, defrauded Jupiter, and invented beef steaks.

A LITTLE son of M. B. Waugh, five years old, in attempting to get up on a heavily loaded lumber wagon, for a ride, fell under the wheel and was instautly killed, at Sau Jose, on Wednesday last.

A GREAT INDUSTRIAL FAIR!

—TO BE—

Opened in San Francisco,

—ON THE—

30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged indifferent branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test with the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE.
H. D. DUNN,	P. B. DEXTER.
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER.
E. N. TORRY,	W. H. BRYAN.
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

STILL IMPROVING!

—VOLUME IX—

—OF—

The Mining and Scientific Press

COMMENCES

ON THE FIRST OF JULY, 1864,

WITH

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Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

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An Incentive to Inventors,
A Reflector for Patentees,

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Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Fraucisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

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Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

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Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

Caution.—All persons are cautioned against purchasing Certificates No. 43 for 20 shares, and No. 435 for 3 shares, (unassessable) in the Great Consolidated Boise River Gold and Silver Mining Company, the same having been fraudulently obtained from the subscriber. Transfer of same has been stopped on the books of the company.

1 J. W. REED.

HENRY V. POSER,

Ornamental Plasterer.

No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.

OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.

☞ Terms Moderate. ☜ 2-1m

Notice of Dividend.

At a meeting of the Trustees of Crescent Quartz Mining Company, held June 20th, 1864, a Dividend of Fifty dollars per share was duly declared, payable on July 1st, 1864, at the Office of the Company, Indian Valley, Plumas County, Cal., or in San Francisco, at the office of Isaac Clazier & Bro., 311 Clay street. [26-4t] WM. A. BOLINGER, Sec'y.

Phœnix Gold and Silver Mining Company, Reese River District, N. T.

NOTICE is hereby given, that on Thursday, July 14th, 1864, at 11 A. M., at the Office of the Company, No. 305 Moatgomery Street, San Francisco, there will be sold to the highest bidder for cash, so many shares of the Capital Stock of the above named Co., standing to the credit of the following named persons, as will be necessary to pay all assessments now due, together with costs of advertising and expenses of the sale, unless the same shall have been previously paid, to wit;

Names.	No. Cert.	No. Shares	Amt.
Charles Hoffman,	16 85 201 202,	31	$15 50
Ignatz Kipp,	115 117 205	34	17 00
Chas Schmitt,	31 127	15	7 50
Joseph Fitzler,	23	10	5 00
H L Joaquisaoa,	191	2½	1 25
Catherine Feagain,	103 104	15	7 50
F W May,	107	5	2 50
M Schwob,	130	15	7 50
D W Levan,	135	9	4 50
Charles White,	155	10	5 00
M Cook,	164	10	5 00
M Lyon,	138	5	2 50
G Batmich,	170	10	5 00
C Bailes,	5 193 194 195,	132	66 00
George Metzger,		5	2 50
W A Smith,	35 137 185 186 187,	76	38 00
B A Sheldon,	51 52 53	25	12 50
A K P Smith,	112 113 114 121	31	15 50
A M Harkness,	166	10	5 00

By order of the Trustees, ROBT. T. POLK, Sec'y.
24—4t. Office, No. 305 Montgomery street, San Francisco

Bay State Gold and Silver Mining Company, Turaback District, Tuolumne county, California.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Bay State Gold and Silver Mining Company, there will be sold, at Public Auction, to the highest bidder, for cash, in U. S. gold coin, on the 11th day of July, 1864, at 11 o'clock A. M., at the salesroom of L. Keller, No. 537 California street, San Francisco, so many shares of the capital stock of the Company, standing in the names of the following persons, or shareholders, as will be necessary for the payment of Assessment No. 4, of two dollars per share, duly levied thereon March 23d, 1864, by the Board of Trustees, together with the expenses of advertisement and sale, unless said Assessment and accruing charges are previously paid:

Names.	No. Certificates.	No. Shares.	Amt.
John Sedgwick	2, 3, 4—ea 50	150	$300
John Sedgwick	6, 7, 8, 9, 10—ea 20	100	200
John Sedgwick	11, 12, 13, 14, 15—ea 10	50	100
Benj Wilson	22	100	200
Benj Wilson	23	200	400
Benj Wilson	24	20	40
W H Farwell	38	400	bal 700
Philip Myers	48, 52, 53, 54, 55—ea 20	100	200
Philip Myers	57	5	10
Philip Myers	58	15	30
W H Finch	29, 30, 31—ea 100	300	600
W H Finch	32	50	100
W H Finch	33, 34, 35, 36, 37—ea 10	50	bal 50
Jas G Read	1	10	20
Jas G Read	49	25	50
S E Holcomb	16	120	240
S D Jones	25	200	400
S D Jones	43	30	60
S D Jones	44, 45, 46—ea 20	60	120
S D Jones	47	10	20
Geo Weetman	19	20	40
Geo Weetman	20	10	20
Wheeler Martin	41	75	150
Wheeler Martin	56	100	200
Geo W Rose	40	75	bal 100
C H Clark	42	150	300

By order of the Board of Trustees.
J. F. HARRIS, Secretary.
Office, southeast corner Second and Howard streets.
San Francisco, June 8th, 1864. 24-4t

The above sale is postponed until Thursday, July 21, 1864, at the same hour and place. By order of the Board of Trustees. (2-2t) J. F. HARRIS, Secretary.

Dexter Tunnel and Mining Company.—Location, Reese River, Nevada Territory.

NOTICE.—There is delinquent upon the followlag described stock, on account of an Assessment (No. 2) levied on the 1st day of April, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shs.	Amt.
Betz, H	102, 103, 104, 105, 106, 107, 108, 109, 110, 111 —10 shs ea	100	50 00
Bell, G H	182	25	12 50
Bell, G H	186, 187—20 shs ea	40	20 00
Dexter, C H	72, 73, 74, 75, 76, 77, 78, 79, 80, 81 —10 shs ea	100	50 00
Ebert, Geo.	179, 180, 181, 182, 183—10 shs ea	50	25 00
Folz, G	162, 163, 164, 165, 166—10 shs ea	50	25 00
Grubler, J	6	50	25 00
Grubler, J	8	10	5 00
Grubler, J	9	5	2 50
Gerhardt, C	132, 133, 134, 135, 136, 137, 138, 140, 141 —10 shs ea	90	45 00
Gunther, J B	177	10	5 00
Henneman, A	167, 168, 169, 170, 171 —10 shs ea	50	25 00
Kapus, Otto	172, 173, 174, 175, 176 —10 shs ea	50	25 00
Kressel, J	152, 153, 154, 155, 156—10 shs ea	50	25 00
Leisse, H	127, 128, 129, 130, 131—10 shs ea	50	25 00
Lewis, Oscar	189, 190, 191, 192, 193, 194, 195, 696, 197, 198—not's'd —10 shs ea	100	50 00
Lambert, R	157, 158, 159, 160, 161 —10 shs ea	50	25 00
Morrison, J C Jr	27—not issued	65	32 50
McNulty, C A	28, 29, 30, 32, 33—10 shs ea	50	25 00
McNully, C A	59	5	2 50
Marshall, H	34	5	2 50
Maguire, Thomas	60	100	50 00
Master, P A	147, 148, 149, 150, 151—10 shs ea	50	25 00
Needen, Wm	178	10	5 00
Orcar, D	62, 63, 64, 65, 66, 67, 68, 69, 70, 71 —10 shs ea	100	50 00
Ohmert, F W	112, 113, 114, 115, 116, 117, 118, 119, 120 —10 shs ea	90	45 00
Ploschke, Wm	92, 93, 94, 95, 96, 97, 98, 99, 100, 101 —10 shs ea	100	50 00
Stevens, W H	53	10	5 00
Stevens, W H	54	13	6 50
Shmidt, H	58	5	2 50
Schmidt, H G C	82, 83, 84, 85, 86, 87, 89, 90, 91 —10 shs ea	90	45 00
Schmittburg, H	142, 143, 144, 145, 146 —10 shs ea	50	25 00
Shafer, L	184	10	5 00
Uhrig, C A	16	25	12 50
Uhrig, C A	17	35	17 50
Uhrig, C A	18	5	2 50
Wolleb, E	41	5	2 50
Wolleb, E	42, 43, 44, 45, 46, 47—10 shs ea	60	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of April, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

C. H. HORTON, Secretary.

Office, No. 543 Clay street, Golden Era Building, San Francisco. 24-4t

Ontario Gold and Silver Mining Company, Mono County, California.

NOTICE.—There is delinquent, upon the following described Stock, on account of Assessment levied on the 26th day of May, 1864, the several amounts set opposite the names of the following shareholders, to wit:

Names.	No. Certificate.	No. Shares.	Amount
Lott Blanchard	21 to 24	70	$17 50
C. Beach	122 to 129	70	17 50
G. Bennett	103 to 107	70	17 50
C. Eanis, (not issued,) two ass'nts		70	85 00
Hugh Flynn	38, 40, 4: to 44	42	10 50
John Flynn	60 to 65	70	17 50
Geo. R. Graff, two assessments	51	25	12 50
M. Heinau	83 to 85, 87, 88	55	13 75
E. H. Kittredge	2, 4, 6	35	8 75
T. B. Andrus	35, 36, 37	35	8 75
W. H. Libby	76 to 82	70	17 50
Fred. Smith	88 to 94	70	17 50
Valentine Schmidt	66 to 75	70	17 50
J. C. Van Vranken	26 to 29	35	8 75
Thos. S. Delano	25	5	1 25
Patrick Lynch	131	13	3 25
J. O. Nicholson	132	3	75
Richard Hutchinson	133	2	50
P. Tilly	134	5	1 25
G. Raisch	102	10	2 50
J. D. Owens	143	30	7 50
D. S. Hall	32	17	4 25
H. Chester	109	5	1 25
J. B. Levit		5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of May, 1864, so many shares of each parcel of said Stock as may be necessary, will be Sold at the office of the Company, on the 9th day of July, 1864, at the hour of 2 o'clock P. M., of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of the Sale.

H. B. SHELDON, Secretary.
Office, No. 302 Montgomery street, San Francisco.
26-4t

Potomac Gold and Silver Mining Company, Reese River District, Lander County, N. T.

NOTICE.—There are delinquent upon the following described Stock, on account of Assessment levied May 23d, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amt.
Geo W Terrill,	9, 10	75	$ 75 00
J H Carey,	11	50	50 00
S Haas,	42, 43, 44, 45	100	100 00
D Haas,	3	100	100 00
H Levy,	4	100	100 00
A Greenebaum,	18	12½	12 50
Jas R Gwin,	21	25	25 00
W H Carter,	24	10	10 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of May, A. D. 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, 400 Montgomery Street, San Francisco, on the Eleventh day of July 1864, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. A. BALL, Secretary.
Office, 509 Clay Street, San Francisco. 26-3t

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "SLIGHT COLD" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. *"Brown's Bronchial Troches"* give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in the pocket and taken as occasion requires.* Agents for California,
1-1m REMINGTON & Co., San Francisco.

Deetken & Co's

METALLURGICAL WORKS.

We respectfully inform the mining community in general, that having completed our

NEW SMELTING FURNACES

We are now ready to smelt every kind of Silver and Gold Ores. Parties unable to get satisfactory results by amalgamation, will find it to their interest to have their ore smelted at our works.

LARGE CONTRACTS ACCEPTED AT LOW RATES AND RESULTS GUARANTEED.

Facilities on hand to work all and every kind of Gold and Silver bearing ores as well as it can be done in Europe.

Amalgamation & Chloration

Carried on, on Silver and Gold ores as heretofore.

DEETKEN & CO'S Metallurgical Works!

Office, 315 Moatgomery street; Works, San Bruno Road.
1v31m

Gregory Yale,

ATTORNEY AT LAW.

Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

WM. H. H. FALL,

Commissioner for Nevada Territory

Office, 728 Montgomery St., San Francisco.
1v9m

STEEL! STEEL!! STEEL!!!

OCTAGON, 7-8, 1in, 1 1-8,
SQUARE, 3-4, 7-8, 1in, 1 2in.

For Sale in lots to suit Purchasers by
J. S. CURTIS.
Office, 405 Front street, San Fraaeisco. 6v8tf

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.

Office of the Company No. 328 Montgomery street. 1tf

THOMAS HILL,
Member of the S. F. Stock and Exchange (1st) Board.
A. H. MURDOCK,
Member of Stock Exchange,
No. 623 Montgomery Street, Opposite Montgomery Block,
SAN FRANCISCO.

REMOVAL.

J. R. BEARD, STOCK BROKER,
MEMBER SAN FRANCISCO STOCK AND EXCHANGE BOARD, HAS REMOVED HIS OFFICE TO
5v8-tf No. 707 Montgomery street, Brokers Block.

COMMISSIONER OF DEEDS

For Arizona Territory,

R. W. MUDGE,

No. 528 Clay street, San Francisco.
16v8-3m

Mining AND SCIENTIFIC Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, JULY 16, 1864.

VOLUME IX. Number 3.

Contents of Present Number.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Insects; Old Without Knowing It; Eating when Sick; Weather and Health; Efficacy of Oulons; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Leader Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

The Mining and Scientific Press is published every Saturday morning. Each number contains SIXTEEN PAGES of SIXTY-FOUR COLUMNS. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair.

DEWEY & CO., Publishers.

Office, 57 Government House, Corner Sansome and Washington streets.

THE INDUSTRIAL EXHIBITION.

We feel that we cannot too often or too earnestly urge upon our mechanics, and all others interested, the importance of prompt and personal exertion to render the forthcoming Exhibition that which all desire and expect to see it—a perfect success, and an important stimulus to California industry. Those who have the preliminary executive management are doing everything reasonable within their power, to make it so; but all their efforts will be powerless unless properly aided by those for whose especial benefit the Exhibition has been planned. Every one who can, should feel it his duty as well as privilege to contribute whatever he can in aid of the enterprise. Let our mechanics and manufacturers and our tradespeople of whatever class or order, begin in season to make their arrangements and preparations. It is none to early to commence now. The Institute appeals to "all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and to forward for Exhibition such articles as they may invent, discover, or make that may be useful, instructive, curious or suggestive."

The invitation is broad and comprehensive, and the object in view to be attained, is noble and useful in an eminent degree. The rules and regulations of the exhibition will be found in our advertising columns, and any farther information, which may be desired on that point may be obtained by addressing William Patton, Corresponding Secretary.

The proprietors of the Mining and Scientific Press, have made arrangements with the Executive Committee for the publication of a daily issue of their paper at the Pavillion during the continuance of the Exhibition. Inventors and exhibitors will have a fine opportunity, through the columns of that paper to present the claims and advantages of their machinery, manufactures, goods, etc., to the thousands of strangers who will visit the city during the period of the Exhibition. We shall devote the paper exclusively to matters connected with the Exhibition, and those who desire illustrations, which are not already prepared, should attend to the preparation of the same at once.

THE ART OF WAR.

Since the breaking out of the present unhappy civil war, the old idea that had begun to be too prevalent, that nations should learn war no more, seems to be pretty much abolished, for the present at least, from the American mind. We hear now very little about Peace Societies. Even the staid and peace loving Quaker descendents of Penn, rush to arms, as often as the rebellions hosts are found threatening Pennsylvania soil with their presence. The apostles of peace of former days, are now generally preachers of war.

War as an art and profession is rapidly assuming a prime importance in our system of education. It is being introduced even into our common schools, all through the Eastern cities, where the young idea is literally taught to shoot. Our colleges and academies, everywhere, make their drill exercises, as much a matter of course as any of their literary exercises.

Our own State is also endeavoring to keep up with the times, and one of our leading literary institutions, in the San Jose Valley, has already been furnished with a stand of arms by the State Executive, in order the more thoroughly to perfect the pupils in the mysteries of this now popular art. In our last issue we noticed the reception of a circular from the officers of the State Guard of this city, who propose immediately to open classes for drill, at the armory, to be composed of young men 14 to 18 years of age. Our citizens everywhere, all through the country, are spending, in the aggregate, millions of dollars in this direction, to thoroughly organize and perfect the military organization of our citizen soldiery; while hundreds and thousands of our brave and devoted people, are baring their breasts and shedding their blood in the actual conflict of war upon the bloody field of battle.

War is an art which requires much study. In the principal European nations it absorbs the chief national revenue. In France there are nine, and in England two Normal Schools of war where men are prepared as teachers of the art, as in our normal schools we prepare men and women for teachers in common schools. Modern inventions have elevated the art of war from a mere exhibition of brute force, to a science of the highest grade. Armies are no longer machines, but instruments of mind as well as power. This mind power is now distributed through the rank and file instead of being confined to officers. The old practice in battle was to shoot from the breast. The soldier is now taught to shoot from the eye—to shoot to kill. It is assumed that the mind must be brought into active exercise with every effort of each individual soldier. The Emperor Nicholas of Russia, recognized this principle when he resolved to emancipate his serfs. He did it full as much to raise the standard of his soldiery, as from his innate sense of justice. The southern slave, in our own country, will never make a soldier. Our whole army is a unit in according a most soldierly hearing to the southern freedman, in battle and camp.

Killing, in war, is now done scientifically. Firing by command is now but little practiced in actual combat. Each soldier fires when he gets his aim, and he must exercise his brain with coolness and skill to make his aim effective.

The incidents which we gather up, from time to time, by the perusal of "letters from the front," are characteristic of the new *animus* which pervades the ranks at the present time. At one moment, we are told by these correspondents, that the opposing lines, each behind entrenchments, are handying jokes and witicisms from one to the other with the best apparent good nature, and at the next moment a single report or volley is heard, as one or the other catches sight of some luckless soldier who exposes his person to his adversary. When the soldier or the sharp-shooter takes deliberate aim at his enemy he does not stop to think of the home affections which cluster around his victim, or the desolation which the missile he is about to speed will introduce into some unhappy household. Not at all; he is only practicing the art, in which he has been drilled.

These things present phases both terrible and hopeful to the cause of humanity. As the art of killing becomes more and more skillful in practice, is there not reason to hope the dread of war will increase. Will not the terrible lesson which our own unhappy war is now reading to the world, act as a powerful incentive to peace. At least will it not greatly lessen the danger of any future war against or among ourselves? Let us hope so, at all events. Can we not see in the present attitude of England and France an evidence of the truth of this assumption? They are each powerful nations, skilled in all the modern improvements of killing. They look upon the present war in Denmark from opposite stand-points. Each is eager, but neither dares to take the fatal step. The realities of war between two such nations would be far more terrible now than they were in the days of the first Napoleon. Notwithstanding all the coolness now manifested in the study and practice of war, the instinct of life is not yet dead in the minds of men. The hope of those who go into battle is still immunity from death. When war becomes so scientifically fatal as it now is and must hereafter be, may we not hope that men will be more slow to make the fatal plunge, and that the time when "nations shall learn war no more" will come all the more speedily from the fatality with which it must be attended.

Agriculture.—Agriculture must have flourished at an early period in England. When the Emperor Julian was re-building the ruined cities of Gaul, six hundred large barques, framed in the forests of Ardennes, made several voyages to the coast of Britain, and returning from thence laden with corn, sailed up the Rhine, and distributed their cargoes to the several towns and fortresses, along the banks of the river. Computing these six hundred ships at only seventy tons they were capable of exporting 120,000 quarters, and the country which could bear so large an exportation must have already attained an improved state of agriculture. This is reported to have taken place about the year A. D. 359.

Power of the Magnet.

The smallest natural magnet generally possesses the greatest proportion of attractive power. Sir Isaac Newton wore a magnet in his ring which weighed only three grains, yet it was able to lift 746 grains, or nearly 250 times its own weight; whereas magnets weighing above two pounds seldom lift more than five or six times their own weight.

Iron is principally the only substance attracted by the magnet. The degree of magnetic attraction depends on the strength of the magnet itself, the weight and shape of the iron presented to it, the magnetic or unmagnetic state of the body, and the distance between them. All iron bars standing erect or fixed perpendicularly, (such as iron railings in fences, etc.,) are magnetic, the north pole being at the bottom and the south pole at the top. It is also a curious fact that the uppermost part of the iron tire of a carriage-wheel attracts the north end of a magnet, and is consequently a south pole, while the lower part of the same iron, in contact with the ground, attracts the south end of the needle, and is therefore a north pole. Turn the wheel half around and the poles become immediately reversed. The magnetic attraction resides wholly in the surface of iron bodies, and is independent of the mass. An empty bomb shell will attract as strongly as a solid sphere of the same material. The cutters, in gun-boring, become magnetic, in consequence of being continually rubbed in the same direction. Wedgewood's black ware, which is made of basalt, attracts the magnet strongly.

The Conflagration of the World a Scientific Possibility.

If we know the velocity and weight of any projectile, we can calculate with ease the amount of heat developed by the destruction of its moving force. For example, knowing as we do the weight of the earth, and the velocity with which it moves through space, a simple calculation would enable us to determine the exact amount of heat which would be developed, supposing the earth to be stopped in her orbit. We could tell, for example, the number of degrees which this amount of heat would impart to a globe of water equal to the earth in size. Mayer and Helmholtz have made this calculation, and found that the quantity of heat generated by this colossal shock would be quite sufficient not only to fuse the entire earth, but to reduce it in great part to vapor. Thus by the simple stoppage of the earth in its orbit, the "elements" might be caused to "melt with fervent heat." The amount of heat thus developed would be equal to that derived from the combustion of fourteen globes of coal, each equal to the earth in magnitude. And if after the stoppage of its motion, the earth should fall into the sun, as it assuredly would, the amount of heat generated by the blow would be equal to that developed by the combustion of 5,600 worlds of solid carbon.—*Heat considered as a Mode of Motion, by John Tyndall.*

Washoe Bullion.—The Washoe *Herald*, of the 9th instant, says that from the first of the present month, to that date, there had been shipped from Virginia City the very nice little bulk of 12,685½ pounds of bullion, of the value of $304,750 17, according to the way-bills of the express companies. And yet people say "Washoe is played out." We think its mines are played out to a very pretty tune just now.

Washoe Mills.—Quite a number of the Washoe mills are at the present time undergoing the the process of "overhauling."

[Written for the Mining and Scientific Press.]

More about the Theory of the Mines of the Sierra Nevada.

Editors Press:—Considering the evident truth, that a limited number of mankind are busily engaged in gulling the balance with theorics, I have a great admiration for all theoretical views, particularly when they disdain the ungainly aid of established facts or get up proofs to order; and only require absolute human faith, to complete a triumphant circle of xistences.

In the Press of June 25th, I notice a theory of the mines of the Sierra Nevada, which, at least possesses the merit of being something new, although starting out with three propositions of a somewhat popular and altogether hypothetical nature, equally capable of sustaining other theories. What follows is substantially new and suggests ideas which it is but just to "F. A. H." to acknowledge have not been advanced by La Place, Newton, Humboldt or other scientific authorities. With the unfolding of his peculiar views "F. A. H." tells us how our earth was constructed. The description presents us a globe, somewhat different from one that might have been given by yonder layer of brick and mortar, but nevertheless a sphere rounded off in good order and prettily streaked with the one thing that gives a finishing touch to all things evil or saintly—gold. Permit me to condense the account.

It seems that Dame Nature once set up a blast furnace and turned out a fiery notamed world, much given to revolutions, and apparently foredoomed to raise "Old Nick." Finding a natural coolness arising and that earthly elements like those of society could not get along without an upper crust, the good dame resolved to arrange matters and set up housekeeping. Mindful of the strain of the heavier material, she piled it up in the extreme depth of the structure. Gold having great specific gravity, was in spite of its positive worth, bundled off into the cellar. This was a well balanced world; but still there was a second mistake in the isolation of material—too much exclusiveness; the crockery and earthenware chanced to be very handy in the attic but the gold and silver to buy garden truck and mutton chops, lay buried under the iron and copper ware down below. It therefore became necessary to obtain a ready exit for the different central elements and their sociable gathering at the surface. The contract for running these adits must have been taken by the Camanche contractors with the subsequent idea that there was nothing but greenbacks at the bottom of the job, for it seems that everything was ventured by degrees. The first effort brought alkalies, the later iron, and in the end there was established a series of fissures, assorted sizes. By the leverage of the outbursts and subsidence of the solid crust, mountains were formed. These mountains were model affairs, furnished with all the modern conveniences, scuttles above and arched vaults contingent to the pavements at their bases. Gold, under a hard pressure and the foreshadowing of greenback issues, must go up and in this case did, carrying with it all strata of quartz not previously located by incorporated companies. The present discovery of gold around these scuttles is a sure sign that there is plenty more below in the vaults. It was so in the past era of the mint and why should not Nature with a wise aforethought copy after one of Uncle Sam's metallurgical operations. Nature next let out the attic rooms to certain elements, hydrogen and oxygen, who, being reduced in circumstances, were compelled to take in washing and played havoc with the rocky linings of the tenements in their efforts at making shifts and bed spreads. The climax came with the introduction of a set of reasoning animals privileged to procure patent rights for any improvement in getting up worlds, and particularly requested to make themselves happy by securing the greatest good to the least number.

If Dame Nature was pleased with the construction of a world after this fashion, she has the consolation of knowing that mankind do not trouble themselves to secure a better one. For my part, I am satisfied with the orb so long as it is tenantable, and has numerous philosophers to tell how the thing was done. But, when "F. A. H." in the exhuberance of confidence informs us that there is a fathomless streak of gold and quartz just eight miles wide, located at the base of the Sierra Nevada, and destined to throw all past mining operations into the scale of insignificance, I feel inclined to ask him who shall be the individual to give us a practical demonstration, at his own expense? The question arises, now that the secret is out, will the knights of mere physical labor or capital lend encouragement to an idea that in their jealousy they must forsee will eventuate in the sublime triumphs of intellect? Who but the bold discoverer is better fitted to be a martyr if necessary? Certainly one who has the courage to present such logical conclusions as are to be found in the article under notice will not feel at all abashed at the idea of a mere personal sacrifice—even though the deductions, costing but a dash of the pen may demand the expenditure of many million strokes of the pick to reach the point of demonstration, satisfactory to all doubters.

I cannot conclude without giving select specimens of "F. A. H's" logic. Succeeding the spectacle of rocky masses of immense thickness sedately hanging and posturing by their upper edge, he says that gold having been upheaved last, of course fills the fissures of the previous upheaval and contraction, which he locates at the base of the mountain chain. The superficial base of the Sierra Nevada being quite near the Sacramento and San Joaquin rivers and the real base under at least twelve hundred feet of earth much nearer the Coast Range, the wonder is, how "F. A. H." discovered these fissures and their contents. Apparently unaware of the fact that solids and fluids expand but a fraction of their respective bulks before being volatalized, he equalized the specific gravities of bodies, by their unequal expansion and great heat, and thus succeeds in keeping gold and quartz in one stratum, and by the same arrangement pumps them up through all other strata. Perhaps however "F. A. H." can render the law of expansion by heat conformable to his theory by procuring its amendment by the next legislature.

Pundit.

How to Detect Adulterated Quicksilver.—Mercury is often found in the market wilfully adulterated with lead, tin, and bismuth. Of lead, it can absorb or dissolve almost one-half of its weight, without losing much of its liquidity. This adulteration can easily be discovered by rubbing some of the metal on the open palm; if it soils the skin it is adulterated—if pure it leaves no trace. Besides, if dosed with lead, it will leave a tail behind—"*il fait la queue*" to use a French expression—that is, the drops, instead of being globular, will assume an elongated form, and a more or less flattened surface. Some of these observations may be, perhaps, useful to the gold miner, as many complaints have lately been heard about the impurity of the quicksilver sold in the mines, which fact is also proved by the frequent occurrence and admixture of base metal in the amalgam-gold, probably, in most cases, by artificial means.

Quicksilver—How to Test.—Quicksilver, after being extracted by the plain process of retorting, is seldom quite pure, and generally contains a small proportion of other metals. The eminent naturalist Priestly suggests a very simple method to purify mercury, by merely shaking it strongly in an iron flask, and renewing the air in the same repeatedly with a pair of bellows. By this manipulation a black powder will be formed on the surface, which can easily be separated. If no more of this dust is formed the quicksilver may be considered pure. In this state it will always give a clear sound when agitated in the flask, while an admixture of lead will make it sound dull as if the vessel were made of potters' clay.

The Aissa-Outra, about the maddest of the Mohammedans, have celebrated the birth-day of their prophet at Algiers, in a very *outre* manner. Some burned their tongues with hot iron, and did the trapeze on sword blades, some eat scorpions, (much to the disgust of the scorpions,) some gouged out their own eyes with a piece of steel, and some were so religious as to swallow the prickly leaves of the cactus.

A Water Spout was struck in the town of Unionville, Humboldt county, Nevada Territory, two weeks ago last Monday. The *Register* says: "Heavy gravel was thrown up, and all sorts of rubbish drifted in the streets and through the gardens for a few minutes. Floors were flooded, and several houses were in danger of having their bottoms knocked from under. Ditches were in lively demand, and responded with so much activity that no serious damage was done."

An enterprise has lately been set on foot in France for the manufacture of guano from fish. The refuse from fisheries has been for some time past employed in this manner; but it is now proposed to organize fisheries for the purpose of manufacturing the article, which possesses several advantages, decomposing neither too quickly nor too slowly, and exhaling no ammonia.

It is proposed to build a new post office at Liverpool—300,000 more letters passing through the city now than was the case eight years ago.

The hay crop on the mountain ranches of Calaveras will average better this season than ever before.

The Cause of the Flow of Oil Wells.

As we have frequently stated, says the Oil City *Register*, scarcely any two of our practical operators here, entertain precisely the same theory in regard to the causes which produce the flow of the oil from the wells. We have been favored with the following extract from a letter written by a gentleman whose practical experience and good judgment entitles his opinions to the highest consideration. This theory we accept as the clearest and most reasonable one we have yet seen advanced.

A very common inquiry is, "what makes the oil-wells flow?" The answer, equally common, is "the gas which we strike, throws the oil." Thus conveying the impression that both oil and gas exist in the bowels of the earth. This is the common theory, the generally received opinion.

My opinion—and 'tis but an opinion—is that the theory is erroneous. I venture to assume the position that gas—as such—does not actually exist in the subterranean cavities whence we get our oil; but that it is created, so to speak, and eliminated at the time we "strike oil," and not before; that the gas was, prior to the "strike," veritable oil, and nothing else; and that so soon as we remove the pressure from the oil, it being highly volatile, the gas is eliminated.

It is well known that gases are reduced to liquids by compression, and liquids to solids by cold, and *vice versa*.

Is it not reasonable to assume that a liquid, at the depth of five hundred feet from the surface, would be, and is subjected to a high degree of pressure, and that if a gas existed there it would, by virtue of that pressure, be made to assume that form requiring the smallest amount of space?

I believe it is not denied that oil and gas are chemically the same; that the oil obtained from all flowing wells is nearly the same in gravity, and that it is very volatile until the gravity is reduced by exposure to the atmosphere, or the application of heat. So volatile that its volume is materially diminished within the first few hours.

So sudden is the change from the liquid to the gaseous state, when ejected from the wells, that ice is sometimes formed at the orifices, even in the warmest weather.

It is a well known fact, that in the conversion of solids to liquids, and liquids to solids, a large quantity of heat disappears, or becomes latent. Bearing this fact in mind, the rationale of the presence of ice at the mouth of a flowing oil well is readily explained. The moment the drill enters the cavity, or fissure in the rock containing oil, the pressure—excepting that of the atmosphere and water—is removed, and the oil being volatile, a portion of it is suddenly converted into gas. Occupying more space in the gaseous state, being elastic and lighter than oil, it—the gas—finds vent through the puncture made by the drill of the operator, carrying with it, in its hasty exit, its own parent, the oil. That the exit is hasty, and the relationship not yet wholly dissolved, is fully proven by the violently excited and spumous condition of the parties, so to speak, upon arrival.

But the process of the change requires heat; hence we find circumjacent substances robbed of a portion of the heat they contain. Water being present, yields to the exigencies of the case so liberally that it even loses its own identity. The result is ice.

Upon no other hypothesis, I apprehend, can this phenomenon be rationally explained.

I have thus given you, in compliance with your request, my opinion as to the cause why our wells flow; and some of the reasons "for the faith that it is within me."

I may be correct; I certainly may be in error. If I have advanced a single idea that may furnish yourself or friends "food for thought," I may congratulate myself upon having done something, however little it may be, in aid of the solution of an obscure problem.

Very Respectfully Yours, J. C. H.

Artificial Moonlight.—A new mode of lighting has been introduced at a Baptist church, recently built at Philadelphia. There is not a gas-burner in the audience room. In the panels of the ceiling are thirty circles of ground glass, two feet in diameter. Above each of these, in the loft, is an argand burner, and over the burner a powerful reflector. The effect is just about the same as if there were thirty full moons shining in the ceiling. The light is not sharp and intense, but abundant and mellow, and not painful to the eyes.

Dried Up.—There is no water running at the present time in Bear river at Bartis Crossing. The oldest inhabitant has no recollection of such an occurrence having taken place before.

On the first three days of last week Wells, Fargo & Co. shipped from Virginia 5,289 pounds of bullion, worth $127,959.83.

The World's Drought of 1864.—In connection with the wide spread drought of 1864, and the extraordinary developments of the meteorological phenomena of the Northern Hemisphere, as observed throughout North America and Europe, which is the theme of comment in intelligent circles in both continents, we have seen but meager notices of its effects in the Southern Hemisphere. From casual remarks in our exchanges it appears that California and the North Pacific are in sympathy as to excessive drought with countries and climates in her far south meridian and antipodes. The commercial advices from Buenos Ayres of February and March (their summer) state that the provinces of La Plata were experiencing one of the severest droughts ever known in the history of those countries, attended with immense losses of animals from want of pasture, and hurricanes of dust and sand. Similar notices reach us also from Australia, where it is estimated from the general failure of the cereal crops, consequent on the want of rain and the effects of hot winds, that wide spread loss and suffering must ensue to the country. As the Canaries and Azores are also this year suffering from famine and hunger, resulting from their lack of ordinary rains and excess of warm winds, it must be that our planet at large is suffering from "low water in her boiler, and may burst." The exhibition of such phenomena, or of any storms or general climate changes of violence, has never been noted before in history or science.—[Exchange.

The Salt Trade of Washoe.—Persons at a distance, who read of the enormous shipments of the precious metals from Washoe, are little aware of the richness of this Territory, in other useful and valuable substances found in profusion within its limits. There are probably thousands of persons who have resided in the Territory for a year or two, who are unaware of the extent and value of the salt trade in this immediate vicinity of Virginia. In fact, there are very few persons who are aware that the Sand Spring Salt Mining Company manufacture and sell the enormous quantity of 500,000 pounds of salt per month! To haul this salt from the mine into town, the company constantly employ seventy large teams, and pay $10,000 to $15,000 per week for freight! this company themselves owning a number of the finest teams in the Territory, having $80,000 invested in this branch of their extensive business. Large as this enormous production of salt may appear, it scarcely equals the demand—the Gould & Curry company alone using forty-five tons per month. Besides this Sand Spring Salt Company, there are several others in this Territory, which also do a large business. The salt trade of Washoe is becoming of nearly as much importance as its mining, and had we a railroad, to make the cost of transportation less, Washoe salt would become as important an article of exportation as its famous bricks.—*Washoe Herald.*

New Era in Portraiture.—We notice the following in a late number of the New York *Evening Post:*

A new era in portraiture is predicted from the discovery of Swan, who presents a solid lifelike likeness of any one inclosed in a cube of chrystal. The effect of the new process is to exhibit the subject of the portraiture with lifelike verisimilitude, and in natural relief. You take up a small case, and look through what appears to be a little window, and there stands or sits before you, in a pleasantly-lighted chamber, a marvelous effigy of a lady or gentleman, as the case may be. The projection of the nose, the molding of the lips, and all the gradations of contour, are as distinct as if an able sculptor had exercised his skill; but the hair and the flesh are of their proper tint, and the whole thing has a singularly vital and comfortable look. Indeed, were it not for the reduction in size, it would be difficult to avoid the belief that an actual man or woman, in ordinary dress, and with characteristic expression, was presented to your eye. The Swan system is about to be introduced into the United States.

Progress in England.—England shares the general progress of the world. The principles of free government and liberal institutions are there, as well as on this side of the Atlantic, rapidly developing. A reform bill has failed, but only by a small majority. Mr. Gladstone has declared himself in favor of manhood suffrage; in other words, that every man in England who is not a felon or an alien shall have the privilege of voting. This places Mr. Gladstone, who has always been conservative and timid in reforms, by the side of Bright and Cobden, and the radicals may well rejoice at his accession, for it assures them of a speedy victory. England's manhood is now in battle with England's aristocracy, and we wish the cause God speed.

Last year, at this time, Great Salt Lake City had not a single bank; now she has three, and the indications are that all of them are doing a prosperous business.

Formation of Iron by Metallurgical Insects.

A Swedish naturalist, M. Sjogreen, has recently published a very curious memoir on an iron mineral, which is, he says, the direct work of infusorial animalculi living in the midst of sweet water. The ferruginous mineral known under the name of lake ore is sufficiently abundant in certain Swedish water-courses to be submitted to treatment in iron works. The Swedish naturalist has succeeded in grasping the very strange mode of the formation of this mineral, which insects seem, if we may so speak, to weave in the midst of water, as a learned micrographist (Ehrenberg) had already observed with regard to slimy iron produced by fossil animalculi (*Gaillonella ferruginea*). The memoir of M. Sjogreen was composed with more especial reference to certain specimens of minerals shown at the International Exhibition in London, in 1862; and we may note with advantage some of the most salient facts stated by him.

The iron mineral known as lake ore is met with in various lakes and water-courses in Sweden, but principally in the province of Smaland, situated in the southern part of the country. This mineral assumes five different forms, which are designated by as many different names; it comprises 20 to 60 per cent of oxide of iron, mixed with oxide of manganese, 10 per cent of chlorine, and some few hundredths of phosphoric acid, and is always found in the bottoms of lakes. The bearings extend to a length of 660 feet, range from 17 feet to 33 feet in breadth, and are from eight inches to thirty inches in thickness.

In 1847 and 1849, M. Sjogreen was enabled to observe the mode of formation of the ferruginous grain which was the direct result of organic life. A lake in his neighborhood had fallen much below the ordinary level, and enabled him to follow the evolution of the mineral. The bottom of the lake was in part laid bare, from the extreme lowness of the water, but there still existed depressions, filled with water, occupied by insects or infusorial metallurgists. These depressions presented a strange and marvellous spectacle. At the bottom of one, which was about three feet in diameter, small beings of different sizes agitated themselves on the mineral, some being visible to the naked eye, while the others were so small that without a magnifying glass it would have been impossible to discern them. All were actively engaged in enclosing themselves in a metallic cavelope, just as the caterpillar encases itself in a cocoon; the work seemed to the spectator to be effected in a systematic manner. The small being, with the aid of a network of black and white filaments, designed the exterior form of the grain; the shell of the minute edifice was formed with an opening in the center, and the exterior was similar to the interior, although six or eight times as large. From the center, where he was placed, the insect grouped round the filaments, rayons, or spokes, of a brown color, enclosing himself with prodigious activity. If one of the globules were taken into the hand with a little water, the small being might be seen at work, but if the water were allowed to run off, the whole globule crumbled into a flat mass, in which some feeble movements were visible for some instants, when all soon stopped once and forever. These flat masses explain the formation of what is known as minery-ochre. It may be remarked that these small beings do not make globules all of one size, but that the dimensions of each globule are always proportioned to those of the animal which is to inhabit it.

Grouping together all these observations, M Sjogreen thinks that lake mineral is produced by infusoria living in water courses, that these infusoria, select spots at their convenience, in order to perfect their works, and that calm waters, without any current, are indispensable to them, because mineral is never found in the midst of a current of a river, nor at spots or places at which they make a bend. Lake ore is only met with at certain points, on beds of sand or clay, and not being spread everywhere uniformly, it may be concluded that it is due to an organic cause, for if it was a precipitate or sediment it would be distributed uniformly on the whole bed of the lake; if it was due, on the contrary, to the action of water on certain earths, it would be found in the same lake everywhere where this earth is met with, which is contrary to experience. The mineral exists at certain points, and always the same, in regular layers or banks. In examining it with care, the animal may be perceived in a petrified state in each grain, but still very recognizable in respect to form and color; and it is very probable that the small quantity of phosphoric acid which the analysis reveals is due to the existence of these beings which, having accomplished their task at the bottom of the lakes, envelope themselves in metal in order to die in repose.

If it is asked from whence proceeds the iron employed by these marvellous architects, in the construction of their retreats, it may be replied that this origin is not doubtful, but that iron exists in the water in a soluble state—or, rather, that the water borrows it from the surrounding lands. Lake mineral is produced with considerable rapidity; in certain lakes from which there had been extracted, twenty years previously, all the metallurgical crop—if we may use the word—there was again found, after this yield, a fresh harvest of almost equal abundance.

The extraction is effected somewhat in the following manner (we may remark that this will be the first occasion on which our readers have heard of a fishing operation in which the fisherman is a miner, and the fish a mineral):—The fishing takes place at the end of autumn, when the water of the lake is covered with ice of a thickness of from two to three inches. Small holes are pierced in the ice at the point where the lowest depths are supposed or known to be; through these holes a long rod is driven, and either by the particular sound of the mineral struck at the bottom, or by the examination of the debris brought up, the existence of ferruginous deposits is recognized. The fisherman having thus recognized a bearing, marks its limits by means of small branches stuck in the ice, and the space which he encloses in this manner becomes his property, to which no other person can come to pursue researches until the close of winter. Some months later, the ice having become sufficiently hard for the purpose, the fisherman makes a hole about three feet in diameter, which enables him, by means of a long rod, to sink to the bottom of the lake a sieve, and then a rake about two feet in size. By the aid of the rake he collects the mineral into a heap at the bottom of the lake; then taking a smaller rake he fills his seive, which he then draws up filled with mineral with sand and clay. All this *detritus* is submitted to careful examination, and by shaking it on a seive placed in the water, the sand, mud, &c., are easily separated, and the mineral retained. After this, all that remains to be done is to go and sell at the blast furnace the produce of this singular fishery. A skillful operator will collect half a ton of mineral in a day, so that the work may become tolerably lucrative; the inhabitants of the province of Smaland accustom their children very early to the fishing process, the success of which depends upon the skill of the workman.

The Swedish, and even the Russian, iron-works hold this lake mineral in high esteem, and make an important consumption of it. M. Sjogreen is of opinion that it would not be impossible to acclimatise in other countries than Sweden the insects producing this curious mineral; but to attain this object it is necessary to begin by finding waters naturally charged with salt of iron in a state of solution, and furnishing the ferruginous matter on which these astonishing architects operate. It is evident, as has before been remarked, that the infusoria borrow the iron given to the waters of rivers and lakes, or, rather, to the earth surrounding these waters, in the same manner as mollusca borrow the carbonate of lime in their shells from lime dissolved in the waters of the sea. As crawfish, transported from a calcareous to a granitic soil, cannot repair or form their testaceous characteristics, so the metallurgical insects of Sweden could not live and weave their marvellous metallic woofs except in places in which nature had previously collected more or less abundantly the ferruginous salts.—*London Mining Journal.*

How Health Brightens Things.—God has so knit the mind and body together, that they act and react upon each other. Who has not felt that the state of health gives a coloring to everything that happens to him? One man, whose health is depressed, sees his own fireside that used to burn so cheerily, only covered with gloom and sadness. Another, of a bright and joyous mind in the full vigor of health, will go forth and the very desert to that man's eyes will rejoice, and the very wilderness to his view will blossom as the rose, and the saddest strains in nature will sound to him the most joyous and brilliant. A sufferer goes out and looks on nature and its roses are all become thorns, its myrtles all look like briars, and Eden itself seems like a desert, and the sweetest minstrelsy of the grove and the forest sounds to him like a wild and wailing minor running through all the sounds of nature.

The *London Times* is said to have the enormous average income, from all sources, of about $60,000 a week, or three millions a year! No wonder that such news establishments, whose Argus eyes look to every part of the globe, and whose trumpet-tones speak to congregated nations, should be regarded as "the fourth estate of the kingdom." Newspapers give utterance to the millions, and concentrate in themselves an aggregate of power, to make thrones tremble and monarchs turn pale. They are a very burning glass, gathering and concentrating to one terrible focal point, the rays of thought, conviction, and sentiment, over the wide circle of human affairs.

About one thousand Mormons from England, Scotland and Wales, on the way to Salt Lake, passed New York June 12th.

Old Without Knowing it.—In our rambles about the city yesterday, it occurred to us that there were hundreds of men on the Pacific Coast who have grown old without being aware of the fact. There are many men here who came to this coast ten or fifteen years ago, and yet to-day they do not realize that they are any older than the day they landed. We were led to think upon this matter by meeting an old man whose white locks, escaping from under his tattered felt hat hung upon his shoulders, while his snowy beard spread low upon his breast; suspended at the end of a stick he carried his blankets and carpet sack, and strode along with head erect and confident step, as though certain that he was near to his fortune. He did not realize that he had grown old in gold hunting—doubtless it appeared to him but a very short time since he started out in pursuit of the "big thing," which, although it had heretofore eluded him, must soon fall into his hands, when away he would go to the old home and the dear ones there to make them all happy—the dear ones whom he expects to find as gay and youthful as himself, for since he left them all it appears to him that the finger of Time has not moved. As we passed along the street we kept a sharp look out and easily discovered a dozen more men who we felt satisfied were not aware how old they had grown, some of them our particular and intimate friends. In the course of the day we observed one gay youth of fifty-five, with hair and beard well silvered, jump nimbly to his feet and commence dancing as the music of a harp struck up. He supposed that his step was as light and graceful as when he first learned the wiudings of the mazy dance, yet it was plain to be seen that his muscles were stiffened and rheumatic. Then how many men we see with here and there a thread of gray streaking their hair and beards, who in their own opinions, are mere sighing boys—"going to stay here a few days longer," they will tell you, "then go home to have a good time with the girls, (what girls?) then marry and settle down." They have no idea of their age. Their hearts have remained young in cherishing the memory of those youths and maidens, their old companions left behind when they started on their wanderings. Yet physically they are growing old, and must soon go home, or like a singed cat they will not go for what they are really worth.—*Ter. Enterprise.*

The "Old Guard."—We know now of what metal the Army of the Potomac is made. It has, so far in the recent battles, displayed the immobility of solid iron, the elasticity and keenness of tempered steel. When misled, and therefore unfortunate, it hated not a jot of heart and hope, believing that the day of vengeance and of victory, though long postponed, would surely come. What shall be said of it? What words can the nation find worthy of its grand deeds? Upon its victorious eagles the sun of honor shall forever shine. By every hearth which has lost a son in its last magnificent onslaught, sits glory in the dead soldier's place. History shall never tire of reciting its exploits. Poetry shall draw a new inspiration from its valor. Painting and sculpture shall perpetuate the forms and features of its heroes, and show how its fields were won; and the debt of gratitude we owe it, and which no praise can cancel, shall be transmitted from generation to generation, as a sacred heirloom through all coming time. Live the Army of the Potomac! It has no dead. Its fallen are immortal.—*Exchange.*

Very Like a Whale.—The Monterey *Gazette* of July 1st says:

Mr. Osio's boy, while fishing off the end of Jack's wharf, yesterday, fell over and came very near being drowned. It seems that the boy had fastened the line around his waist, and a large shark catching with a sudden jerk on the hook, drew him overboard and was towing him out to sea, when he was rescued by a Portuguese whose name we did not learn. Boys cannot be too careful of themselves when they go a fishing, as sharks are said to be quite numerous in the bay.

Paths to Greatness.—There are but two ways which lead to great aims and achievements—energy and perseverance. Energy is a rare gift—it provokes opposition, hatred and reaction. But perseverance lies within the reach of every one, its power increases with its progress, and it is rarely that it misses its aim. Where perseverance is out of the question I cannot exert protracted influence—I had better not attempt to exert an influence at all, for I should disturb the organic development of affairs, paralyze the natural remedies which they contain, without any guarantee of a more favorable result.

The Hartford *Courant* says that Gen. McClellan, in conversation with a friend a few days since, expressed his opinion that Grant would use up Lee's army and capture Richmond, and that after that was done, we should have but little trouble with the rebel armies.

Eating When Sick.—It is a custom among a certain class of people, when a member of the family is sick, to begin at once to ask: "Now what do you want to eat?" Every one has heard the old story of the man who eat the eighteen dumplings when he was sick. On the occasion when engaged upon the eighteenth, his little son said "Pa give me a piece?" "No, no, my son," replied the father, "go away, pa's sick." When a young man has been surfeited, in season and out of season, until exhausted nature gives way, and a fever is coming on, the good mother is in trouble. She anxiously inquires: "Now, John, what can you eat? you must eat something. People can't live without food." Then comes toast and tea, etc. The stomach is exhausted, and no more needs stimulating or food than the jaded horse needs the whip. What is needed is rest, complete rest. Nine tenths of the acute diseases might be prevented by a few days' starvation, when the first indications appear. I don't mean abstinence in every case, but perhaps a piece of cold bread, with cold water for drink. If such a policy were generally adopted, what ruin would overtake the medical profession?

Weather and Health.—Dr. Logan, of Sacramento, in his last monthly weather report says:—"In the regular progression of the seasons, June has not been marked, this year, by any great variations, as far as the measure of heat is shown in the table, from the constants of the month. A heated term toward the last of the month has had the effect of raising the maximum some four degrees above the average. Nevertheless, there have been several cool, and, in fact, chilly days, attributable to the uncommonly late rains, especially in the surrounding mountains. On one occasion, (the 10th) the rain was accompanied with hail and thunder. These late rains may be regarded as compensatory for the remarkable dryness of the past winter. Coming up to the average, as shown by the table, the rain for June now makes the amount for the rainy season nearly eight inches. With the exception of 1850-'51, when only 4.730 inches fell, the present has proved the driest season of our record. The total amount for 1863-'64 has been 7.780 inches. This is about ten inches less than the average for the preceding eleven years.

Efficacy of Onions.—A writer says: We are often troubled with severe coughs, the results of colds of long standing, which may turn to consumption or premature death. Hard coughs cause sleepless nights by a constant irritation in the throat, and a strong effort to throw off offending matter from the lungs. The remedy I propose has been tried by me, and often recommended to others with good results, which is simply to take into the stomach, before retiring for a night, a piece of raw onion, after chewing. This esculent, in an uncooked state, is very heating, and tends to collect the waters from the lungs and throat, causing immediate relief to the patient. Sliced onion, in a raw state, will collect poison from the air, and also from the human system when taken internally, or externally applied to the arm pits.

Boiling Water.—Anything will cook just as soon in water boiling as slowly as possible as it will in water boiling with the greatest fury. Water under the pressure of the atmosphere and at the level of the sea boils at 212° Fahrenheit, and as long as it is open to the air no fire, however fierce, will heat it a single degree above this temperature. If the vessel be closed with an air tight cover so as to increase the pressure on the surface of the liquid it may be heated to any degree whatever. As the pressure increases with the temperature, the strength of the boiler must be increased in proportion. If the vessel be raised above the surface of the earth, the water will boil at a lower temperature than 212° Fahrenheit, as the pressure of the atmosphere is decreased by raising the vessel.

Getting Alarmed.—The commercial men of England are becoming alarmed. Their efforts to aid the Confederates by assisting them in fitting out piratical vessels have succeeded too well! They have been able, practically, to drive our commerce from the seas, and thus monopolize the carrying trade of the world. But they turn aghast at the very spectacle of their triumph. A vision of Retribution rises before their eyes, converting their joy into fear and their hymn of praise into wails of lamentation. The *consequences* of the guilty part they have been playing—the sure vengeance that will follow in the wake of their crime—force themselves upon them. They suddenly remember that there is a future; that wrong ever reacts against itself, and that the rascally game they have been playing may be played back, and with a success that will annihilate British commerce at a single blow. All at once it occurs to them that in their blind zeal to aid a rebellion against a friendly power, they have been unwittingly establishing a precedent that will place them, for all future time, at the mercy of any power, however feeble, with which their country may be engaged in war.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Msetings, Assessments and Delinqnent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

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Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS.

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Big Blue Lead, Tulare co., $1.....July 28—Aug 10
Bonus, Coso,.....Annual Meeting July 25
Buckeye & Old Hickory Cons. S. Catal., 50c..Aug 5—Aug 25
Barreteros, Mex., $5.....Aug 15—Aug 27
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Dacota, R. R., $1.....Adv July 22—Sale Aug 6
Durand..... .....Special Meetiug Aug 1

Enterprise Copper, Placer co.....July 9—Aug 9*
Enterprise Copper, Placer co.....Romoval of office Aug 15*
Eureka M. & M. Co., Lander county, $3.15...Aug 13—Aug 27*
Eagle Quartz, Amador county. $2..Adv July 23—Sale Aug 6*
Egory, Tulare co., 10c .....Adv July 15—Sale July 30*
Empire, Rock Spring, 5c.....Adv. July 2—Sale July 15*
Excelsior, Reese River District, 25 ecuts...Levied March 22*
El Tigre, $12.....Adv July 8—Sale July 19
Ethan Allen, R. R.,.....Adv July 11—Sale July 29
El Toro, Mex , $1 .....Adv July 16—Sale July 30
Eclipse, Sierra 50c.....July 30—Aug13
Evoca Cons., Del Norte County..... Sale July 15
Echo, Gold Hill.....Annual Meeting July 20
El Taste, Mex., $3.....Aug 8—Aug 18
El Tesoro, Lower Cal., $2.....Aug 8—Aug 23
Eureka, Coal, Alameda co., $1.....Aug 16—Aug 29
El Tigre, Colorado, Durango.....Special Meeting July 16
Flor do San Antonio, Mex.....Annual Meeting Aug 16

Forest Queeu, Amador Co., 50c..Adv July 16—Sale August 1*
Fortuno, Calaveras Co., 50c .....Adv July 23—Sale August 3*
Fork, Blue Mountain.....Adv. Juno 17—Sale July 23
Fairview, R. R., 25 cts.....Adv. July 2—Sale July 16
Flor de San Antonio, Mex. $1½.....June 25—July 26
Frank, Silver Mountain.....Sale July 21

Great Cons., Bolso.....Caution*
Great Western T. & M. Co., Aurora, 25c.....July 30—Aug 17*
Great Western T. & M. Co., Aurora.....Meeting Aug 6*
Gobernadora, Lower Cal., 70c...Adv July 16—Sale Aug 1*

Those marked with an asterisk (*) are advertised in this journal.

Good Return, Cons., Tularo $1.Adv July 16—Sale July 30*
Gertrudo, R. R., 25c.....Adv. July 2—Sale July 16*
Gold Rock, Calaveras co, 50c...Adv. July 2—Sale July 22*
Good Hope, Alpino, 75 cents.....Adv. Juno 4—Sale July 18
Great Cons., Boise R., Placer...Adv. May 28—Sale July 16
Good Hope, Alpine, 75c.....Adv Juno 11—Sale June 25
Gen'l. Hill, Summit, 25c .....Adv July 10—Sale July 23
Guadalupe del Agnajito.....Meeting July 18
Gen'l. Jackson, Devil's Gate, 50c....Adv July 2—Sale July 23
Gold Hill Tunnelling, Gold Hill.....Annual Meeting July 18
Green, Gold Hill, 50c.....Adv July 18—Sale Aug 1
Guasaparis Chihuahua, Mex., $12..Adv Junc 25—Sale July 29
Gold Canon, Gold Hill.....Sale Aug 10
Great Central, Smoky Valley.....Sale July 19
Grattan, 20c.....Aug 1—Aug 13
Gen. Jackson.....Annual Meeting July 23
Gold Hill Tunnelling, Gold Hill, $1.....Aug 13—Aug 26
Gov. Low.....Sale July 23
Gem of Sierra.....Annual Meeting July 23
Gov. Seymour, R. R. $1.....Aug 10—Aug 23
Guadalude de los Angeles.....Special Meeting July 20

Henry & Harnard, Weaver, 20c.....July 2—Sale July 18*
Hartford, Gold Hill, $1..... Adv. June 7—Sale July 20
Hale & Norcross.....Adv. June 27—Sale July 16

Hornitos, Horuitos $5.....Adv July 21
Hinchman, El Dorado co., $4.....Adv July 20—Sale July 30
Halleck, Alpine co., 30c.....Aug 2—Aug 22
Holdridge Copper, El Dorado Co....Annual Meeting July 20
Hawley, Devil's Gate, $7.50.....Aug 1—Aug 15
Highland Chief, 25c.....July 19—Aug 4
Harmon, El Dorado co., $5.....Aug 9—Aug 27

Illinois, Smoky Valley 50c.....Aug 13—Sep 2*
Imperial, Arizona 50c.....Sale Aug 2*
Independent, R. R., $1..Adv. June 21—Sale July 9, Gold Hill
Indian Valley, Plumas co., 75c....Adv June 16—Sale July 16
Ida, Lower Cal, 50c.....Sale July 20
I X L, Silver Mountain, 50c.....July 7—July 26

J. J. Crittenden, R. R. 25 cents..Adv July 16—Sale August 3*
J C Fremont, Sil. Mt. 4ass'ts at 25c....Adv Aug 1—Sale Sept 1
Jewel, Devil's Gate, $1½.....Adv July 13—Sale July 25
Josephine Copper, Calaveras Co., $2.....July 30—Aug 13
Joe Lane, R. R., 50c.....Aug 11—Aug 24

Kate Lamar, R. R.,.....July 2—Aug 5*
Kappa, Amador, 50c..... Adv July 6—Sale July 19
Kentucky, Mmc. Folix, 50c..... July 30—Aug 10

La Travlata, Calaveras co, 50c.....Aug 13—Aug 27*
Lancaster, Palmyra.....July 16—Aug 3*
La Candclaria, Mex.....Adv July 16—Sale August 5*
Lapland, R. R., 50c.....Adv July 2—Sale July 16*
La Marroncna, L. C., $5.....Adv July 9—Sale July 23*
La Libertad, Lower Cal.....Adv July 23—Sale Aug 8*
Lady Adams, R. R., 20c.....Adv. July 2—Sale July 15*
Lady Bell, Del Norte co. 10c....Adv. July 6—Sale July 18
Laurel Hill, $1.....Adv July 17—Sale July 30
La Fernandes, Hermosillo, $6½....Adv July 7—Sale July 21
La Churcas, San Antonio.....Meeting July 10
La Churcas, San Antonio, 50c.....Adv July 10—Sale July 20
La Blauca, Mex. $2½.....Adv July 14—Sale July 26
Libertad, Mex.....Adv Junc 15—Sale July 16
Lone Star, Lander co.....July 30—Aug 13
Lochinvar. Gopher, 50c.....Aug 5—Aug 16
Las Cruzecitas, Mex. $6¼.....Adv July 13—Sale July 25
Louisiana, R. R., $1.....Aug 13—Sep 2

Mosquito, Calaveras co., $5.....Aug 13—Aug 29*
McElroy, Palmyra.....July 16—Aug 3*
Mount Zion, Clayton Dist., Contra Costa, $1.Aug 11—Aug 27*
Mount Eden, Gold Hill, 50c.....July 9—July 25*
Moscow.....Meeting, Aug 1*
McDermott, Devil's Gate, $1..... Adv July 23—Sale Aug 10
Moonlight, Indian, H., $1.....Sale July 29*
Mohawk, Reese River, 50c.....Adv. July 2—Sale July 15*
Monarch, R. R., 25c..... Adv. July 2—Sale July 16*
Minerva, Gold Hill, $25.....Adv July 8—Sale July 23
Mary and Estella, 15c and 10c.....Levied Jan. 19 and Feb. 20
Melones & Stanislaus, C. H, $2.50..Adv. July 30—Sale Aug 13
Minnehaha, Reese River District, 25 cents..Levied March 22*
Michigan, G H, $10 .Adv July 9—Sale at Gold Hill Augnst 10
Maria, Mex. 75c.....Adv July 18—Sale July 30
Moss, Virginia, $5.....Adv July 12—July 23
Meirose, Humboldt, .Special Meeting, July 1, Humboldt City
Mina Rica de Las Flores, Calaveras county .....Sale Aug 10
Molitor, R. R.....Adv. Juno 22—Sale July 23
Mercides, Sonora, Mox.....Sale July 26
Morning Star, Alpine Co., 75c..... July 30—Aug 3
Mineral Hill, Mono co., 50c.....Aug 7—Aug 20
Mary Frances, Silver Mountain.....Annual Meeting July 30
Marathon, Mono co., 50c..... July 27—Aug 10
Metropolitan, Silver Mountain, 20c.....July 27—Aug 10
Monster Cous., Santa Catalina, 50c .....Aug 8—Aug 20
Marble Valley, El Dorado co .....Sale July 28

North Star, Santa Catalina, 10c.....Aug 11—Aug 27*
Nonparell, Tuolumne co., $5.... .Adv July 8—Sale July 26
Niagara.....Annual Meeting July 20
New York Q'rtz. El Dorado co., $1½Adv July 9—Sale July 20
New England Con. Los Ang'ls co 5c.Adv July 15—Sale July 27
Napoleon, $5.....Adv July 14—Sale July 29
North Potosi, Virginia, $12½.....Adv July 16—Sale July 30
Nuestra Senora de Guada', Mex. $5,Adv July 2—Sale July 16

Oxford Beta, Esmeralda, 50 cents,.....Ang 13—Aug 31*
Orlnoco, Reese River, 50c.....Adv. July 2—Sale July 16*
Ozark, Gold Hill, 10c.....Adv July 16—Sale July 30
Overman, Gold Hill, $30.....Levied June 7—Sale Aug 10
Osceola Hill, 25c.....Adv July 10—Sale July 23
Owens River, Inyo, $3.....Adv July 9—Sale July 20
Omega, Gold Hill, Virginia, $25..Adv July 8—Sale July 23
Opcn Sesame, Clayton District, $1.....Aug 12—Aug 27
Occidental. Los Angeles co., 30c.....Aug 6—Aug 20

Point Arena Petrolcum ..... Meeting Aug 9*
Peaslee & Sparks, R. R., 25c ....Adv July 2—Sale July 15*
Porter, Butte co., 50c.....Adv July 16—Sale Aug. 3*
Prima Donna, Devil's Gate, 50c... Adv July 30—Sale Aug 15*
Provo Cons. Santa Rosa, 10c.....Adv July 14—Sale July 24
Pizarro, Cortez, 25c.....Adv July 9—Sale July 23
Palmctto, Coso.....Annual Meeting July 25
Prince Imperial, Calaveras co.....July 30—Aug 17
Peninsular, San Antonio, 50c.....July 30—Aug 13
Paris, Gold Hill, 50c..... Aug 13 Aug 23

Quartz Mountain, 40c.....July 30—Aug 19*
Quartz Hill, El Dorado co., 40c....Adv July 23—Sale Aug 10*

Rose Matilda, Santa Catalina, 10c.....Aug 11—Aug 27*
Rhodes Diggings, R D., $3.....Adv July 16—Sale July 29
Relief, 10 cents.....Levied May 19
Ruba, R. R., 25 cents.....Levied March 31
Rhode Island, Mono co., 25c.....Adv July 16—Sale July 30*
Rubicon, No, 1, 2, 3 & 4, 10c Mono..Adv July 23—Sale Aug 10*
Real del Monte, Esmeralda.....Sale July 25

Steamboat, Star, Humboldt co., N. T. 50c...July 16—Aug 3*
Silver Age, Lander co., $1½.....July 30—Aug 10*
Schmeltzer, Humboldt co .....Sale Aug 3*
Schmeltzer, Hnmboldt co.....Meeting, Aug 3*
Star of Nevada, Reese Riv, 50c..Adv. July 2—Sale July 16*

San Francisco Stock & Exchange Board.—Prices Bid and Asked.

WASNOE STOCKS.	FT.	SHARES.	VAL.	Saturday. BID.	Saturday. ASKED.	Monday. BID.	Monday. ASKED.	Tuesday. BID.	Tuesday. ASKED.	Wednesday. BID.	Wednesday. ASKED.	Thursday. BID.	Thursday. ASKED.	Friday. BID.	Friday. ASKED.
Ophir		1,400	16,800	300	725	740	750	800	800	825	750	800	730	750	720	740
Gould & Curry..		1,200	4,800	500	1,600	1,610	1,585.	1,590	1,620	1,640	1,750	1,780	1,650	1,670	1,675	1,690
Savage		800	800	2,000	1,050	1,200	1,025	1,100	950	1,050	950	1,050	910	1,100	975	1,100
Challar		1,400	5,600	800	425	450	436	450	425	—	420	425	405	440	400	415
Potosi		1,400	2,800	500	900	920	911	1,000	980	—	950	1,000	925	990	975	1,000
Hale & Norcross.		400	800	500	—	600	—	—	400	—	—	—	—	—	—	—
Sierra Nevada ..		3,000	3,000	500	10	30	10	30	20	30	5	30	7½	30	5	35
Daney		2,000	800	50	—	62½	—	60	—	50	—	50	—	50	—	50
Burning Moscow		4,100	4,100	500	14	15	11½	12½	15	18	16½	20	15	16	15	16
North Potosi....		2,000	2,000	250	44	45	52½	56	45	50	46	50	56	58	61	60
Uncle Sam		1,200	1,200	200	400	600	405	500	350	600	350	600	—	—	—	—
Iowa.....		1,200	1,200	1,000	—	—	—	—	*—	—	—	—	—	—	—	—
El Dorado.....		1,600	1,600	500	—	25	—	—	—	—	—	20	—	—	2½	8
Norton.....		1,500	1,500	50	—	—	—	—	—	—	—	—	—	—	—	—
Burnsido.....		2,800	2,800	500	—	—	—	4	—	—	—	—	—	—	—	—
Adriatic.....		2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—	—
Pride of West...		1,400	1,400	100	2	5	3	4	3	4	—	4½	—	—	—	6
Imperial.....		184	4,000	500	142½	—	150	155	140	145	142	144	142	145	—	—
Crown Point....		600	1,200	100	—	—	—	—	—	—	—	—	—	—	—	—
Manhattan		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Seneca.....		—	—	—	—	15	—	10	—	10	7½	10	5	—	7½	10
Mt Davidson tn'l		1,000	1,000	200	—	—	—	—	—	—	—	—	—	—	—	—
Caledonia Tun'l.		—	—	—	1	3	—	—	—	—	—	—	—	—	—	4
Bajazet & G Era		4,000	4,000	300	—	—	—	20	—	20	—	—	—	—	—	—
Cedar Hill tun'l.		—	1,000	100	—	—	—	—	—	—	—	—	—	—	—	—
Gold Hill Qntz M		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ESMERALDA.																
Wide West.....		1,400	1,400	2,600	7	9	—	8	6	7½	7½	8	7½	8½	—	—
Antelope.....		1,200	1,200	500	—	100	—	90	30	50	25	50	25	50	—	—
Esmeralda		1,600	1,600	1,000	—	—	—	—	—	—	—	—	—	—	—	—
Real del Monte..		4,400	4,400	400	12	17	12½	15	12	—	—	—	—	—	—	—
Utah.....		1,000	1,000	250	15	20	—	—	—	—	—	20	25	17½	27	—
Silver Hill.....		3,000	3,000	500	—	—	—	—	—	—	—	—	—	—	—	—
Nevada.....		600	1,200	250	—	—	—	—	—	—	—	—	—	—	—	—
Falls of Clyde..		6,000	6,000	100	—	—	—	—	—	—	—	—	—	—	—	—
Bamboo.....		600	600	500	—	—	—	—	—	—	—	—	—	—	—	—
Crockett.....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Federal Hope....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jenny Lind.....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
coso.																
Josephine.....		9,600	4,800	2,500	—	—	—	3	—	—	—	—	1	1¾	—	—
Willow Springs.		2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—	—
Coso.....		2,600	3,600	600	—	—	—	—	—	—	—	—	—	—	—	—
COPPER.																
Napoleon		2,700	2,700	600	—	70	—	70	—	—	—	—	—	75	10	50
Josephine.....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CALIFORNIA.																
Laurel Hill.. ...		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhodes Digglugs		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fellowes.....		2,500	2,500	100	—	—	—	—	—	—	—	—	—	—	—	—
Maxwell.....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rock River.....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eureka		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HUMBOLDT STOCKS																
De Soto.....		1,980	1,980	100	—	—	—	—	—	—	—	—	—	—	—	—
Great Basin.....		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Stars & Stripes, Rock Creek, Cal. co., 10c .June 21— July 18*
Sierra Madre, Rock Spring, 5c..Adv. July 2—Sale July 16*
San Francisco, Rock Spring, 5c..Adv. July 2—Sale July 16*
Selleck, Cop., Amador county....Adv Juno 25—Sale July 23*
Silver Creek, Mono co.....Sale July 23*
Sierra Cons. 25 cents.....Adv June 25—Sale July 18*
Salamander, Mill Valley, 20c.....Adv July 14—Sale July 29
Stanislaus, Calaveras county 50c...Adv July 4—Sale July 19
Shoshone, Lander co., $1.....Adv July 6—Sale July 20
Sublett, R. R., $1.....Adv. July 2—Sale July 16
Sonoma Ledge, R. R., $1.....Adv. July 2—Sale July 16
Sarah Frances, Webster, 10c....Adv. July 6—Sale July 20
Siskiyou, Humbug, $1.....Adv. June 28—Sale July 16
Seneca, Cons., Virginia, $5.....Adv. Juno 27—Sale July 21
Sisters, Augusta, 15 cents.....Adv. June 25—Sale July 25*
Seely, R. R.,.....Adv June 18—Sale July 18*
Superior, Alpino co.. 50c.....Adv July 21—Sale Aug 2
Sumner, $5 .....Adv July 22—Sale Aug 11
Santa Rosa, Virginia, $1.....Adv July 18—Sale Aug 5
Spring, Mono co., 50c.....Adv July 10—Sale July 22
Surprise, Mariposa, 20c.....Adv July 11—Sale July 27
San Carlos, Inyo, $4.....Adv July 9—Sale July 23
St. Nicholas, Lander co., $1.....July 26—Aug 10
San Marcial, Sonora Mex.....July 26—Aug 15
Sailor, Calaveras co.....Adv July 30
Savago, Virginia.....Anuual Meeting July 29
Sixty Ninth, Sierra co., 3c.....Levied June 25
Sierra, Ornsby co., $2.....July 27—Aug 15
Simpson & Bassell, Carson Valley, 30c.....Aug 6—Aug 17
Soledad, Los Angeles co, 25c.....Aug 9—Aug 23
San Francisco, Gold Hill, $5..... .....Aug 2—Aug 16
Sweet Vengeance, Yuba co.....Annual Meeting Aug 1
Salamander, Coso.....Annual Meeting July 25
San Marcial, Sinaloa..... Sale Aug 6
Salvatierra, Catalina Island, 50c.....Aug 8—Aug 22
Segregated Crown Point, Gold Hill, $26.....Aug 9—Aug 22
Scott Mining and Exploring, Humboldt, 75c..July 31—Aug 15
Sharon, Gold Hill, $1.....Aug 3—Aug 15
Superior, Plumas co., 50c.....July 30—Aug 13
Scottish Chief, Hmnboldtco., $1.....Aug 9—Aug 24
Salambo, Tuolumne co., 50c..... Aug 16—Sep 3
Santa Rosa de Ures, Mex.. 50c.....Aug 15—Aug 27
Tellurium, Pine Grove dis., Amador co., $1.Aug 13—Aug 27*
Twin, Silver Mountain, $1.....Adv July 9—Sale July 23
Teutonia, Gold Hill, $1.....Adv. June 19—Sale July 19
Tallulah, Sierra $15.....Adv June 17—Sale July 30
Tecoripa.....Sale Aug 8
Tornado, Arizona.....Meeting July 23
Tennessee, Coso.....Annual Meeting July 25
Turtonia, San Mignel, 25c.....Aug 6—Aug 20
Taurus, Lander County.....Annual Meeting Aug 2
Toledana.....Annual Meeting Aug 10
Triunfo, San Antonio, $1.....July 18—July 30
Texas, R. R. 50c.....Aug 13—Sep 2
Union Tunnelling, Santa Clara, H.....June 11—July 16*
Union, Cop No. 2..... Annual Meeting Aug 1
United States, Virginia, $1.....Adv. July 3—Sale July 16

Victoria, Reese River, 50c.....Adv. July 2—Sale July 16*
Valley Forge, Cop., Amador co..Adv Juna 25—Sale July 23*
Ventana, San Demas, $5.....Adv July 8—Sale July 27
Vulcau, Rocland, 8½c.....Adv. June 9—Sale July 18
Vulcan, Lander co.....Annual Meeting Aug 2

Wide West Cop., Calaveras co., 2cc.....Aug 13—Aug 27*
Wellington, Santa Catalina, 25c.....Aug 17—Aug 31*
Warfield, Placer co., 15c..... .....Aug 5—Aug 22*
Winona, Arizona Ter., 25c.....Adv July 9—Sale July 27*
White Mountain Cons., Mono co., 15c.....July 9— July 20*
Wm. Mitchell, Silver Mountain, $1.Adv July 21—Sale Aug 5*
Whitman, Indian Springs, $7½.....Adv July 21—Sale Aug 1
Whito & Murphy, Virginia.....Adv July 22—Sale Aug 9
Weavor, Weaver, $1½.....Adv July 18—Sale July 28
Williams, Silver Mountain, 25c. 20c & 25c..... Aug 1— Sept 1
Washoe, No. 1, Gold Hill, $2½.....Adv July 14—Sale July 26
Wm. Penn, Devil's Gate, $5.....Adv. May 28—Sale July 23
Whitlock & Sherlock, Mariposa co.....July 9—July 16
Wm. Penn Cons.....Annual Meeting July 18

Yankee Blade, R. R., $2.....Adv July 25—Sale Aug 10
Yosemite, R. R., 50c.....Adv July 20—Sale Aug 3
Yosemito, Gro Fino, $3 .....Levied Feb 9
Yellow Jacket, Gold Hill.....Sale July 16
Young Harmon, El Dorado co., 25c..... Aug 8—Aug 23

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Sales of Mining Shares.

For the week previous to Saturday, July 15th.

By the San Francisco Stock and Exchange Board, and Pacific Board of Brokers.

NAMES OF COMPANIES.	SHS. SOLD.	HIGH-EST.	LOW-EST.	CLOS-ING.
Antelope..	10	25	25	25
Adriatic	10	4	4	4
Burning Moscow,.....	284	20	12	15
Belcher.....	0	1000	950	950
Baltimore American,...	20	40	40	40
Blue Ledge,.....	30	1½	1	1
Baltic,.....	2	25	25	25
Cholla,.....	136	450	400	400
Gould & Curry.....	477	1800	1600	1725
Golden Age & Empire....	50	17½	14	14
Imperial,.....	47	150	142	145
Lady Bryan,.....	1930	13	6¾	8¾
Melones,.....	20	7¾	7¼	7¼
North American,.....	180	72½	56	70
North Potosi,.....	310	52	47	50
Nevada, J. G.,.....	15	25	25	25
Ophir,.....	207	825	715	715
Potosi.....	20	1000	900	1000
Real del Monte,.....	35	15	13	13½
Savage	7	1025	950	950
South American.....	144	50c	50c	10c
Seneca,.....	15	7½	7¼	7¼
Sacramento. East	218	3¾	3½	3¾
Utah.....	5	21	21	21
Uucle Sam.....	5	405	405	405
Wide West,.....	40	7½	7¾	7¾
Yellow Jacket.....	8	740	700	700

Gold in New York.

Saturday, July 9.....260@262.
Monday, July 11.....280@282.
Tuesday, July 12.....281@276.
Wednesday, July 13.....281@276.
Thursday, July 14.....260.

Legal Tender Notes.

San Francisco, Friday, July 8.....38 per cent.

Rules for Advertising Assessments on Saturdays.

Levy your Assessments upon any day Except Friday.

Advertise the Assessment Notice on the First Four Saturdays succeeding the day upon which the assessment is levied.

Appoint the day for advertising the Delinquent Sale on the Fifth Saturday succeeding the date of levying the assessment.

Appoint the Day of Sale on the Seventh Saturday succeeding the date of levying the assessment, or on any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

The *Mining and Scientific Press* makes its appearance upon an enlarged sheet. We congratulate our cotemporary on this sign of prosperity, which we need hardly say, is well merited.—*S. F. Argus.*

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market; Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; Mining Shareholders' Directory; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a Kiug; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Peitsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

Items of Interest.—The total receipts of treasure, from the interior, nad imports, at San Francisco, for the first half of this year is $27,285,759. Total amount exported during the snme time $28,994,711. It will thus be seen tnnt the volume of our currency has been diminished to the extent of $1,707,972 in six moaths. Treasure receipts from the intorior are $2,000,000 more this yenr than last. Last year the enrrency in our State was increased over $2,800,000, while this year it has been decreased to the extent of $1,700,000. Is it n wonder that money is scarce and dear?

Many people profess to think that California is heavily taxed for the support of the United States Government. Such people are in error. The Government pays out more for California than it receives from it. The first six months of this year Government disbursements in this State amounted to $5,586,023. During the same period the revenue it collected here from all sources amounted to $5,533,219. It will thus be seen that Government is expending in this State upwards of $2,000,000 per annual more than it receives from it in the way of revonuo.

The first six months of this year, 371,362 hides were shipped from this Stnte, against 125,561 for the same time last yenr. The increase is mainly duo to the hide crop reaped from cattle that have died from starvation owing to tho drouth.

The exports of wool from this Stnto for the first six months of the present year amounted to 7,289 bales—a thousand bales less than were exported during the snme period in '62.

The exports of California, exclusive of treasnre, average thus far this year $1,150,000 per moath.

The postal service for California costs nhout $350,000 per annum, and it yields a revenue of some $280,000. Loss to tbe Government, say $70,000 a year.—*Sacramento Bee.*

Revolution in Mormondom.—An important revolation is quietly going on in Mormondom. The discovery of gold mines in Utah Territory has induced a large influx of gentiles, under whose moral influence, combined with that of the Federal officors and soldiers nt Salt Lake, the harharous and degrnding institutioa of polygnmy is being driven iato secret corners; the snnctified cutthroats nnd rohbers known as "Daaites" are heing repressed, the power of the Mormon biernrchy is declining, and, ere long, Utah may he purged of her wickedness nnd sensuality, and become a loyal, Christian State. Such harharous iastitutions as slavery nnd polygamy cannot long snrvive the contact of Christian enlightenment. It is but fair to conelude that those twin apostles, Jeff. Davis nnd Brigham Yonng, will terminate their evil missions to the world nt nhout the same time.

Postaoe on Manuscripts.—Newspaper correspondents are remiaded that all manuscripts sent to publishers are entitled to he forwarded at the rate of two cents for four ounces, provided that one corner of the envelope is left open, nnd the word "manuscript" is written on the fnee of the envelope. Authors availing themselves of the provisions of this law will remember, however, that a letter or note inelosed with the manuscript will snbject the whole package to letter postage.

Dinner for Men—Tea for Women!—Says a good ohserver: "You never hear one woman invite another woman out to dinner, any more thaa yon ever hear one man ask another maa to coane and take tea with him. No! it would seem that women's hearts melted and softened over the tea-cup, and that mea's could fly open to each other with the tahle cloth. Who is there to explain it? It takes several knives and forks to dig into a man's secret nature, whereas tbe simple key of the tea caddy will nnlock a woman's seerets at any time."

The unfortnaate man who lost his leg hy the collision of the steamers Yosemite and Washoe has siace died, and Captain Poole has been indicted for manslaughter.

Secretary Stanton, hy regular telegrams, apprises Mrs. Grant, who is now residing in New York, of the state of affairs at the front, nnd of the safety of her husband.

John Geary, of Whitlocks, Mariposa county, went out hunting, lately, and returned with his right hnnd shot completely off. It was done accidentally.

Enlarged.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

The *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

New Volume.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent.*

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It it a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

A Nugget.—On the 30th ultimo, says the Downieville *Standard*, a chunk of pure gold, valued nt $1,770, was picked up in the tailings of the Hope and Despair Company's claims at the Florida House, four miles below the Mountain House.

The Virginia *Enterprise* opposes the formation of a State Government in Nevada, on the ground that it would be too expensive for a young country of limited resources.

Austin City, in the Reese River District, is progressing. The snm of $131,175 has been expended for permanent huildings in the Second Ward of the city during the last six months.

One lond of rock from the Caahlo Company, Union series, Humholdt, has yieldod a silver hrick weighing 219,53 ozs. It was ou exhibition in Red Bluff.

George W. Madison's dwelling bouso, corner of High and Syeamore streets, Red Bluff, was destroyed by fire ou Snnday last.

Quartz Discovery.—Rieh gold diggings, imbedded in rotton quartz, have been discovered near Grizzly Hill, Nevada county.

Hay is selling at sixty dollars per ton nt Austin, N. T., nnd coming in freely.

In Watsonville, a dispute commenced between two men about twenty dollars' worth of rags. They went to law, and thus far the rags have cost the parties the sum of $1,000, and the caso is still nadecided.

The centenary of American Methodism will occur in 1866. Mensures are taken for the proper observanco of this most importnnt event.

Chew Your Food.—Johannee Baptisto Jetzer, who resided at Freach Lead, near Grass Valley, was choked to death on Tuesday of last week hy a piece of beefsteak sticking in his throat.

A magazine called the "Fisherman's Magaziae," has been estnblished in London, n coatemporary says:—"The first number is well baited nnd takes well."

Thirteen thoasand dollars in gold has beea found on hoard the captured blockade runner Minnie, now at Boston. It was reported whea the Greyhound was taken she also had a large amount of specie on hoard. But the specie and her captain botb disappeared as soon as she arrived in port.

From an nrticle which recently appeared reviewing the Annual Report of the London Society for propagating Christianity among the Jews, it appears that it costs about $20,000 to convert a genuine Hebrew to the Christian faith.

Tax on Matches.—Three match manufactories in Bostoa, owned hy one man, consume twenty cords of wood and five hundred pounds of brimstone per day. Under the new tax of one cent per box, the owner pays to the Governmeut $400 a day in taxes.

Mrs. Drummond, of Sacramento, the lady who persisted in keepiag the Stars aad Stripes afloat over her door on the 4th of July, is a eousia of Gen. Rosecrans.

Some idea of the valne of the manufacture of small wares may be formed from the fact that one firm in Taunton, Mass., turns out yearly 1,500 tuns of tacks.

The First Gun.—The Esmeralda *Union* claims that the first cannon made in this Territory was cast at Aurora, July 3d, 1863, and has done good service ever sinee.

The Virginia *Enterprise* says freights are now arriving in that city from Califoraia at the remarkahly low price of tbree cents per pound.

A "right" whale, measuring over eighty feet in length, floated ashore at the Pajaro landing, in tbe neighborhood of Watsonville, last week.

The railroad war in Placer county was terminated on Tuesday, hy an order from the Supreme Court, dissolving the injuaction to prevent the parties from removing the track.

John P. Hale, it is said, will suceeed the late J. R. Giddings as United States Consul General to Canada. The salary is $4,000 per aunum, with perquisites.

Dr. McMurtry, one of tho delegates to the late Baltimore Natioual Convention, writes to a friend, that Congress is not so respectable a looking hody of men as a California Legislature! People, women included, do aot dress as well as the people of San Francisco.

Just across the Potomac, in full view from the Capital, lies Lee's great plantation. This has heen seized hy the Governmeat and sold for taxes, and was bought in by the Government at $26,000.

Fremont's Mariposa Claim.—The Mariposa Free *Press* says that sixty or seventy hands are working oa the quartz vein of the Mariposa Fremoat estate, and that a new and large mill is heiag erected.

Birds and their Songs.

From the earliest time birds have excited the admiration and attention of man. The delightful Spriag season would be mournful without them, just as Winter is rendered more gloomy aud desolate by their departure. What a tender picture is the very nest of a bird! That little downy bed, hidden among the green houghs, and watched hy careful affection, while songs of love flont aroand it. And then the bird itself, what a beautiful, aerial, light form. Add to this its splendid colering and plnmage, the dots of changing lues, the blue, green and gold, with the pure, shining freshness of their white nnd black feathers.

We are usually attracted hy the wonderful power of flying, by which the feathery race is lifted far beyond the sphere of every day life. Their majestie sailing aad circling, the happy, graceful hovering and floating in the air, their soaring aud falling,

"Now below, where the stream is gushing,
Now on high, where the clouds are rushing."

We pass over their migrations and wonderful instinct to mention their song. Seng is the hird's mystery, and its different degrees are almost endless; some thiak they understand these sounds. What a range of tones hetween the cawing of the ravea and the voice of the nightingalo or the mecking-hird! The shrill cry of the osprey is terrihle as he swoops upon his prey, but how teader and alluring is the cooing of a turtle-dove! Wonderful are the accents of a single song bird's voiee, now rapidly prattling, now drawn out long and soft, then fine with sudden stops, or again shrill and disjointed, expressiag, in fact, the feelings of conteut or sorrow, the tender affection of love or the rage of jealousy.

The Spring is the season when they make the whole country one orehestra. While the morniag is yet eold, there are only a few chirps, hut enough music ia them to make one desire their repetition. As the day gets warmer the air is filled with cheerful memories, nad you feel more joyful, and more lifting up of the heart thau when any other musie meets your ear. Many have amused themselve ia making imaginary scales of bird's notes. This of course is a difficult matter, as no two persons can be exactly of the same ear and opinion on the subject.

The language of hirds is a tongue language, hence they can sing or whistle, and it is aanong the most perfect of the lower or animal creation. King Solomoa is said to have heen versed in the language of birds. It is related of Benedict IX. that he understood the voices of hirds. In former ages it was helieved that their language could be learned hy diligent study. Some fairy tales meution one who studied for three years the harking of dogs, the songs of hirds, and what the frogs say whea they croak. Many persons, later, have studied for honors in this hraach of philology. Toward the middle of the last eentury a German scholar, investigated the goose language, intending to write a *Goose Lexicon*. Another, as late as 1837, in an inaugural dissertation, gives some examples of the animal laaguage, with its interpretation, aud amoag others a conversation of cocks and hens.

Steamboat Silver Mining Company, Star District, Humboldt Co., Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 28th day of May, 1864, the amount set opposite the name of the following shareholder:

Name.	No. Certificate.	No. Shares.	Amount.
E D Blair	22	20	$10 00

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of May, 1864, so many Shares of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 2d day of August, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of Sale. S. O. PUTMAN, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 3-3t

Illinois Gold and Silver Mining Company, Smoky Valley District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to Ralph Brown, Superintendent, Carson City, Lander County, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 2d day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. A. WHEELER, Secretary.

Office, No. 1 and 2, Government House, corner Sansome and Washington streets. 3-4t

Caution.—All persons are cautioned against purchasing Certificates No. 43 for 20 shares, and No. 435 for 3 shares, (unassessable) in the Great Consolidated Boise River Gold and Silver Mining Company, the same having been fraudulently obtained from the subscriber. Transfer of same has been stopped on the books of the company.

1 J. W. REED.

American and Foreign Patents.—Letters Patent for Inventors can secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 13th day of July, 1864, an assessment (No. 7) of $1 per share was levied upon the Capital Stock of said company, payable immediately, in gold coin of the United States of America, to the Secretary, at the office of the company, 627 Clay street, in the city of San Francisco, California, or to J. H. Bradley, Esq., at Pine Grove, Amador county, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 3-4t

Oxford Beta Tunnel and Mining Company, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an Assessment of fifty (50) cents per share was levied upon the capital stock of said Company, payable on the 12th day of July, 1864, in United States gold coin, to the Secretary, at his office, or to Thomas Lytle, Superintendent, at Aurora, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 3-4t

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an Assessment of five dollars per share was levied, payable in United States gold coin, and that at a meeting of the Board of Trustees of said company, held on the 11th day of July, 1864, it was ordered that said assessment should be payable on the 13 day of August, 1864, to the Secretary, at the office of the Company, No. 433 Montgomery street, city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 29th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, 433 Montgomery street, in the city and county of San Francisco. 3 4t

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 3-4t

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of July, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable on the 16th day of July, 1864, in United States gold coin, to the Secretary, at his office, No. 605 Sacramento street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Wednesday, the 17th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. CARDNER, Secretary,

Office, 605, Sacramento Street, San Francisco.

Postponement.—The advertisement of delinquent stock on the above assessment, is postponed until August 20th, 1864, and the sale thereof is postponed until September 3d, 1864. By order of the Board of Trustees.

3-5t S. O. CARDNER, Secretary.

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an Assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in U. S. gold coin, to the Secretary, or to J. M. Pike, Superintendent, at Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

M. O. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 3-4t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 9th day of July, 1864, an Assessment (No. 13) of $1 per share was levied upon the capital stock of said Company, payable immediately, in United States currency, to the Secretary, at his office in San Francisco.

Any stock upon which said assessment shall remain unpaid on the 11th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. A. G. WOOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 3-4t

Mechanical and Patent Department.

INVENTORS AND INVENTIONS.

Perhaps the most usefnl, and certainly the poorest paid class of persons, taken as a whole, are the inventors of almost any community. These men of toil and mental anxiety, who spend weary days nnd tronhled nights, working and dreaming over some half developed idea, are constantly sowing that others may reap. It is seldom that an inventor who originates an idea, reaps anything like a tithe of the profit thnt grows out of it. Often it occurs that an invention is no sooner made puhlic, than some secoud person takes up the idea, and so changes and modifies, perhaps improves it, by hringing a fresh mind to hear upon it, as to entirely deprive the origiual projector of every benefit therefrom. Yet the actual lahor and ingenuity reqnired in the original projector, exceeds hy many times that of the modificator. It still oftener happens that au inventor has expended all his means in bringing out his discovery, or another lacks the facilities for properly introducing it to use until the term of his patent has expired, when it becomes public property; or perhaps he seeks assistance from some capitalist, who appropriates to himself the liou's share, leaving but little or nothing to tbe poor inventor. The ignorance, or what is worse, the wickedness of patent solicitors, oftener intervenes to deprive the inventor of his rights, by an improper presentation of his claims, leaving open a door hy which another may come in and carry off all that is valuable of the prize. Cases have come to our knowledge where the evidence has been strong to the effect that such things have heen done by solicitors, merely to multiply business. They have sacrificed the interests of their clients for the sake of the paltry fee to he derived from some secoud party, who may take advantage of an intentional oversight.

In addition to all this, there is in every community a class of grnmblers who are continually fiuding fault because, as they say, "we are be-patented from the cradle to the grave—morning, noon and night, we are be-patented with medicines, garments, tools, edihles, drinkables, etc. We are rocked in a patent cradle, buried in a patent coffin, and perhaps the last solemn services consist mainly of a patent sermon." There are many who seriously begin to inquire whether all this patenting is necessary or desirahle, or indeed whether we need any patent laws at all—whether the entire system onght not to be abolished, the patent office turned into a workshop, and inventors deprived of every opportunity for securiug any special benefit from tbe results of their study and ingenuity. Such men are opposed to all labor-saving machinery, and would have us spin and weave as Eve spun and wove, and delve as Adam delved.

It is a consolation, however, to reflect that this class of grumblers is fast dying out, and that the indispensable services of the inventor are becoming more and more appreciated. The fact is becoming generally acknowledged that invention and civilization go hand in hand together. Take away our inventions—onr patented lahor-saving machinery, and what would be our condition? We should he but a little in advance of our digger neighbors in grinding wheat and corn. Onr rivers would he covered with an innumerahle quantity of "dug-outs," or tuh-shaped sailers but little hetter. The stitch, stitch, stitcb, of onr wives and mothers, would harely suffice to cover our nakedness witb the simplest attainahle garb; the paper on which we write and print would be so coarse and costly as to be at once unserviceable and almost unattainable; while the scarcity of books and newspapers would reduce us to a state of harbarous ignorance which would preclude any possihility of physical or social advance.

What is it that has so suddenly, given this new world such a place among the nations of the earth? Our inventors. Who has filled onr country with manufactories, covered the lnnd with a network of iron roads, and our rivers with floating palaces? Who has huilt our bridges and constructed our docks and tunnels? Who has made this nation what she has tbis very year proved herself to be—the master power on this plan<t? Wbo but our inventors, who have taken the lead in mechanics, architecture and the arts? Wipe out our inventions, and where would we be? No! all honor and snre protection to our inventors. Let tne work of invention go on, on, on. Let our patent laws remain as the key stone to onr success and progress, and "*excelsior*" ring out as the animatiug word to energize the efforts of all good and useful men.

THE LENOIR GAS ENGINE.

We have several times noticed the progress which is heing made toward the introduction into practical use of this new motive power in the French metropolis, and from what we can learn, it seems thus far to he a complete success. It is now in operatiou in a great number of workshops in Paris, where it appears to he doing satisfactory service, generally running from five to twenty-five horse power.

The motive power of this machine is gas—the same which is distributed all over the city, and into our dwellings and stores for the purpose of giving light. The power is created or brought into exercise, by an electric spark which inflames tbe gas when mixed with atmospheric air iu tne hody of the cylinder.

The engine consists of a cylinder laid horizoutally on a cast-iron frame, and a piston, which is moved in the cylinder, and which hy a connectiug rod, transmits tbc motion to the horizoutal shaft ou which the fly-wheel and motive pulley are fixed precisely as in a steam-engine. The gas is introduced through a pipe from a regulating reservoir, which regulates the flow of gas, and prevents any sudden jerking in the gas-pipe.

The electric current is produced by a suitable hattery, conveniently located, aud is conducted, by means of insulated wires, iuto each end of the cylinder. It is cut off by an arrangement worked by the piston rod similiar to the "cut-off" in a steam engine. The burned gas, after having performed its functions in the machine, escapes hy the means of a valve, through a pipe. Water is also conducted into the cylinder, for the purpose of cooling the same, hy a pipe, and discharged by means of an escape-valve. When it is desired to set the machine in motion all that is required is to turu the cock of the gas-entrance, start the fly-wheel a little, until the first spark is communicated to the gas, and the machine is in operation. It is propelled by the expansion of air, dilated by the explosion of the gas.

This machine is exciting much attention in France, Germany and England. One of the most prominent Houses in England, Messrs. Barrett, Exall & Andrews, have uudertaken its introductiou into that country. A small engine of some three horse power has also been forwarded to New York, where at last accounts it was being put up.

The advantages of this engine, in many localities and under many circumstances, are maifold. It requires no fire and makes no smoke or dirt, and but little noise. There are no boilers to he filled and to be constantly tried, as in the steam engine, and it cannot explode; the rates of insurance are not affected hy its use, and it is absolutely free from danger of any kind. It is extremely simple in constructiou and can be placed under the control of any person of ordinary intelligence.

Witli regard to its economy, we are not thoroughly advised, but our impression, derivahle from the imperfect knowledge before us, is that under ordinary circumstances, it can be run from one-fifth to one third less than the ordiuary steam engiue. We presume that a cheaper quality of gas can he used than that ordinarily employed for lighting dwellings, which will still further rednce the cost. Its introduction, should it come into anything like general use, will doubtless stimulate invention in the way of producing portable gas generating machines, for this especial purpose. Mnch will undoubtedly be done in this direction, under the powerful stimulus wbich tbis leading iuvention may induce.

The Rivot Process—A Patent Granted.—In the weekly report of patents granted, under date of May 31st, a patent for treating auriferous and argentiferous ores, was granted to Louis E. Rivot, of Paris, France, assignor to Jaques Gaillardon, of this city. The patentee claims:

First—The roasting, by means of superheated steam, of auriferous and argentiferous ores when combined or mixed with pyrites of iron or copper, in the manner set forth in his specifications.

Second—He claims the general arrangement and construction of reverheratory furnaces adapted for the roasting of ores hy means of steam superheated, as described in his specifications.

Third—He claims the process of amalgamation without reagents, whereby the roasting of ores may he rendered practical and economical, when conducted after the manner described.

Improved Hoop Fastening.—The usnal method of fastening wooden harrel hoops, hy notching, is well known to most persons. The preparation of this fastening requires considerable lahor, and when once arranged, the hoop cannot be materially varied in size. Mr. H. W. Catlin, of Burlington, Vermont, has recently patented a very simple arrangement for securing hoops, something after the manner of an ordinary buckle, hut without teetb. Tbis fasteniug has simply a cross-bar, and is readily punched, at one operation, out of sheet iron.—The ends of the hoops are easily pushed into the clasp, hut cannot he withdrawn when the hoop is distended, in consequence of the "hite" which holds it. It can he used for either iron or wood, and is much neater and stronger than the ordinary manner of fasteniug, and far less liable to slip or break. Thc hoop moreover, cau he varied in size the smallest appreciable fraction of an inch, if desired.

A New Journal Box.—Mr. F. P. Peregoy of Indian Valley, Plumas county, has made application through the agency connected with this office, for letters patent for an improved journal hox, which appears to comprise several advantages not heretofore employed. This journal box is coustructed with moveable guide blocks, worked by set screws, in which are properly secured anti-friction rollers, and the whole neatly and securely combined in a snitahle frame or box, which easily slides apart, opening from the center. These hoxes may be readily used for securing spindle shafts, under water, for line shafting, and shafts of all descriptions, for stamp guides, etc. They have been for some time in use in connection with the heavy shafting of a qnartz mill in Indian Valley, having beeu put up tbere by the inventor to give them a fair working test.

Invention—Imitation.—Inventors should he careful to secure by patent any improvement which they may make, if worth a patent fee, as there is a certain class of manufacturers who do not possess hrains sufficient to conceive evcu an original idea, but are overstocked with the gift of imitation, who watch closely every opportunity to filch the inventions of others, and not unfrequently claim them as their own origin. Nothing short of closed doors or the Patent Office will prove a harrier to this description of pilfering.

Frictional Hoisting Gear.—Mr. James Spiers is introdncing into the Washoe mines what he claims to be some excellent improvements in hoisting in frictional gearing and hoisting apparatus. The editor of the Territorial *Enterprise* has examined some of his plans and speaks highly of them, and thinks they are well worthy the attention of miners and mill men.

Jesse Reed, of Marshfield, Mass, invented the heading process in nail machines, which has become so universally adopted that we could not now go back to the old hand system of heading. He was also the inventor of the Revolving-top Pump. Jesse Reed has taken out some forty patents in all, the greater part of them heing inventions to save labor. All labor-saving machines are a benefit to the world at large, aud the inventor is a public benefactor.

Value of Evening Hours to Mechanics.

How few mechanics realize the value of their leisure evening hours. How seldom is the fact brought to mind that these evening hours have furnished the precious moments which have laid the fonndation for fame and fortune to many, whose names rank high on the roll of honor, in the moral, industrial and scientific world? Passing over the long list of names of our owu countrymen who have come up from scenes of poverty and toil, to occnpy important places of honor and trust, we clip the following, of honorable mention, among our cousins across the water, from an English periodical. Let every mechanic, aud every son of toil, in whatever department of industry his lot may he cast, take courage and feel assured that he, too, can arrive at a greater or less degree of eminence, in proportion as he devotes his leisure moments to acquiring useful information. The har-room, the grocery, the hilliard or other saloon and the street corner have robbed many a young man of the fortune and the fame that was his birthright, if he had not squandered it away for a mess of pottage. Read the following facts:—

One of the best editors the Westminster *Review* could ever boast, and one of the most brilliant writers of the passing hour, was a cooper in Aberdeen. One of the editors of a Loudon Daily Journal was a baker in Elgin; perhaps the best reporter of the London *Times* was a weaver in Edinburg; the Editor of the *Witness* was a stone mason. One of the ablest ministers in London was a blacksmith in Dundee; another was a watchmaker in Banff; the late Dr. Milne, of China, was a herd-boy in Rhynie; the Principal of the London Missionary Society's College at Hong Kong, was a saddler in Huntly; and one of the best Missionaries that ever went to India was a tailor in Keitb. The leading machinist on the London snd Birmingham Railway, with £700 a year, was a mechauic, in Glasgow; and perhaps the very richest iron founder in England was a workiugman in Moray. Sir James Clark, her Majesty's physician, was a druggist in Banff. Joseph Hume was a sailor first, and tben a laborer at the pestle and mortar, in Montrose; Mr. McGregor, the member from Glasgow, was a poor hoy in Ross-shire; James Wilson, the member from Wesbnry, was a ploughman in Haddington, and Arthur Anderson, the member for Oakney, earned his bread by the sweat of his brow in the Ultima Thnle.

Value of Skilful Stoking or Firing.—The following is from an article on Smoke Consuming Apparatus, in tho 5a Livaraison of 1863, *Annales des Mines:*

"The Coal Mining Company of Ronchamp, near Mulhouse, in order that its coal may he properly appreciated hy the consumers, has established a school for firemen. A person skilled in the art of firing goes from place to place for the purpose of instructing tbe local firemen in the proper mode of hurning coal. This instructor has secured in several estnhlishments a saving of 25 to 30 per cent, without making any modification in the furnace in which the coal is consumed."

Every one who has had any considerable experience in the general management of Engines must have noticed the great differeuce wbich exists among firemen, in their manipulation and management of fuel under their hoilers. Our own experience in this matter is certainly corroborative of the point above made, and we long ago scouted the fact that any common laborer would answer for a fireman. We believe there is fully 25 per cent to be saved by skillful over unskillful firing. A skillful fireman—one who has heen tanght his business, or who has acquired a proficiency tberein, hy long and carefnl experience, will fully save his wages over one who lacks the proper experience and knowledge required in his business. A teacher for firemen is not out of place, in an economical point of view.

New Shaking Table.—Charles A. Stetefeldt, of New York City, has secured a patent for a new invention for separnting ores, which consists of a shaking-tahle, provided with two or more rotating heds, arranged one above the other, in such n manner that by their action tbc pnlverized ore, running down over them, is separated antomatically hy the action of the machine, according to the different specific gravities of the constituents, and that the separation can be continued to any desired degree simply hy increasing the number of rotating beds.

Our Summary of Mining News.

GLEANED FROM VARIOUS EXCHANGES.

HUMBOLDT.

The Humboldt *Register* says that many companies are holding back to learn the result of the extensive operations now going on at the Sheba Mine. If that experiment is satisfactory everything will go on swimingly. This company proposes to run one of its batteries on custom work, when it is offered in lots of not less than 20 tons each. We condense from the *Register* as follows:

Inskip is attracting much attention. During the last week in June the company realized from ten tons of ore, which was taken from the mine by two men, twelve bricks, worth $2,325. This pays all expenses, all debts of the company, all cost of incorporation, and almost pays the one dollar per share assessment. This ore was from near the out croppings.

The Sheba mine is reported in good condition, and taking out quantities of rich mineral. The mill is going up rapidly, and is nearly finished. It is of 40-horse power, with two stamps iron batteries, of six stamps each, six Wheeler pans, and two settlers. It is the intention to run half this force, if the custom offers, on custom work—the other on Sheba ore. The company proposes working its second and third class ores, shipping the first class, as usual to Europe.

The Steamboat Company have good prospects. At the end of their one hundred and fifty feet tunnel a shaft of twenty-six feet has been sunk, and at the bottom, about seventy-six feet from the surface, the ledge still shows a fine vein of ore, varying from two to four feet in width. A small lot of ore, not carefully selected, was sent to San Francisco and worked. It went two hundred dollars to the ton. Twenty tons will be worked soon, at the Sheba mill; when a better yield is anticipated.

The Detroit Ledge, which has been prospected 35 feet down, is considererably broken. Some of the ore has worked $500 to the ton.

The California Mine has a shaft already 80 feet down, and progressing at the rate of 12 to 14 feet per week. This ledge is also broken.

The De Soto has just completed an air shaft 94 feet in depth, by which means the workmen have pure air. It takes but a short time for the smoke of a blast to escape. The mine is now well ventilated.

The California.—Wheeler and Folk, running this mine, have the shaft eighty feet down, and are making from twelve to fourteen feet a week. Ledge considerably broken up, but east wall clear and going regularly down.

The Caudle Company recently sent to Red Bluff, for exhibition to stockholders there, a small bar, product of ore from that ledge—value, $239.

Placer Diggings in Star Creek are prospecting well, though not yet down to bed-rock. Prospects as high as ten to twenty-five cents to the pan have been taken.

Bullion Shipment for the month of June, through Wells, Fargo & Co., amounted to 600 pounds. A large amount besides has gone by private hands, the sum of which we have no means of knowing.

The Humboldt world has recently been agog, over the discoveries of diggings in Antelope Cañon, reputed rich in gold dust. Many parties have been over to prospect and see what could be got. Some are on their second trip thither.

A prospecting party discovered, one day last week, near the Chrysopolis, in Sierra District, a narrow ledge—but 12 inches—of solid ore, richer than the Gem, which is as rich as ore usually gets to be.

WASHOE.

The Gould & Curry Tailings.—The Gould & Curry company have made somewhat extensive and quite expensive arrangements to save and work their tailings. It is doubted by many practical mill men whether these efforts can be made to pay. The Gold Hill *News*, in alluding to the matter, says:—

The arrangements for saving the tailings are not yet fully completed, and their value or efficiency has not yet been fairly tested. The company has expended a great deal of money in getting ready to save the tailings, but we doubt whether the investment will be a profitable one. When a large rich company attempts to carry on such work as this, it usually expends more money than it saves. In England and Wales the tailings from the mills are generally worked for the waste metallic sulphurets and pyrites, but it is done by small companies that employ children to do most of the work; and mill, and mining companies seldom or never interfere. Two or three different parties have within the past six months been washing tailings in Gold Cañon with not very encouraging results, and this was done by men who had worked tailings in other places, and were in this place working for themselves, and may therefore be expected to have done it as cheaply, and as profitably as possible. If they could not make it pay, we think the Gould & Curry company have a small prospect of success. However, nothing but a fair trial can determine the question.

The Combined Effort, after running their shaft to the depth of 260 feet, and timbering thoroughly, have commenced a drift for the ledge which they hope to strike rich at this level.

The Midas Company has recently commenced a drift, and is now running to its ledge. Its shaft is 400 feet deep. There was no water struck in the shaft, and there has been none struck in the drift yet, but when the ledge is reached it is expected that water will be found. The company is going on with its work very rapidly, and is making the most out of the favorable circumstances under which it is at present laboring.

The Yellow Jacket has got down 317 feet, which is about 20 feet below water level. At that depth it struck a stream of water about two and a half inches in diameter. After this was struck, work at sinking was suspended, and the water allowed to rise to its level. The company is now running a drift to connect with its mine, and will soon have connections made and be working its ledge through its shaft as well as through its incline. The rock of the company grows richer the deeper it is taken out. When the company gets its pump in and works its ledge below water level, it is thought the mine will be found inferior to none in the district.

The Original Hawkeye has struck what appears to be excellent rock. It is described of the white and blue variety such as is found in most of the best mines of Washoe. The extent of the deposit had not been proven at last accounts.

The Jewett & Shepard company is busy erecting machinery on its claim. The hoisting frame is partly completed, and the machinery, engine, etc., is mostly on the ground. It will be ready for operation in a short time.

The Mexican Company are still taking out exceedingly rich ore—as good as ever was hoisted from the claim.

REESE RIVER.

The Silver Ores of Reese River.—The Nye county *News* says:—"The silver ores of this region of country are comparatively free from several of the more troublesome base metals, such as arsenic, antimony, &c. They also contain but a moderate amount of lead, though some of them are pretty strongly impregnated with iron and copper. Most of them will evidently require roasting, for which purpose we have, fortunately, ample supplies of fuel conveniently at hand, and of a character well suited to this use. Besides this, we have here the clays required for making fire-bricks, crucibles, &c., and mountains of a stone that, while it is easily cut and quarried, resists heat equal to almost any other material. Furnaces made of it answer admirably, and even smelting pots have thus far stood the usual tests.

Furnaces Started.—The Reese River *Reveille*, of June 8th, says that the roasting furnaces connected with the California and Oregon mills, had just been completed, and that roasting operations had already been commenced. Both furnaces were found to work admirably. Two furnaces had been constructed at the Oregon mill, and the foundations for two others were already in a state of forwardness.

To be Incorporated in New York.—The Reese River *Reveille* says that a large number of claims are being fixed up to be sent to New York, for the purpose of being incorporated there under the mining laws of that State, and from the character of the gentlemen in whose hands they are placed, there is little doubt but that they will all be successful.

Fire Stone.—An article of this character has lately been discovered in Esmeralda county. It has the weight of fire brick, and by an experiment tried in a furnace of an iron foundry, it is proved to be as good or superior to the best fire brick. In color this stone is very white, with delicately tinted purple veins.

A New and Promising Mine.—The Nye County *News* speaks of a new and promising mine, in the neighborhood of Ione City, and known as the Mammoth, from which specimen rock of extraordinary richness is being taken. The owners have projected a scale of operations for the exploration of this mine surpassing any other mining scheme yet devised in the district, it being not more remarkable for its magnitude, than the system and engineering skill displayed in its design and methods of operation. Beautiful and extensive drawings have been executed, fully illustrating the plan of these works, and exhibiting the geological features of the mine, and the shafts, adits, tunnels and other proposed approaches. The proprietors, with a view to raising a fund for its complete development, have determined to each part with a small interest for effecting that purpose.

Reese River Bullion.—A lot of four bars of silver bullion, says the *Reveille*, weighing 210 pounds, and worth $3,536 92 has just been sent in from Austin. Furnaces for the proper working of the Reese River ores are being erected, and as soon as a sufficient number of these are in operation, we may expect to see a vast increase in the shipments of bullion from this much-abused region. The charge for working the ores when properly roasted will be $150 per ton, but owners of ore will get more than twice the amount of bullion that their ores are at present yielding.

Eureka Mill.—This mill situated at Big Creek, is now in splendid order, and running every day, under the superintendence of Major James M. Dawley, and is now crushing rock for the Whitlatch company. The Whitlatch sent off $1,800 of splendid bullion, on the 7th inst., with good prospects of a large increase in a short time.

The Stonewall Jackson claim sent ten tons of ore to Austin, for reduction, on Thursday of last week. A large quantity of first class ore is now being raised from the claim, which it is reported, is daily growing better as the shaft goes down. The entire vein now pays, from case to case, the ore being diffused throughout.

Rich Diggings in Yuba.—The Marysville *Appeal* has the annexed notice of a rich claim in Yuba county, to which we have heretofore made frequent reference:

We learn from a reliable source that Simpson & Pierce, owners of the Blue Gravel Mining Company, near Smartsville, after a run of twenty-seven days, have just cleaned up from forty boxes, at the head of the flume, the nice little sum of near $27,000. This is the fourth clean up since the 1st of March. The first being on the 15th of March, $14,400, from thirty-six boxes; next, from the most of the flume, $26,700. Then a short time after, a few boxes at the lower end, near $6,000; making in all since and including the 15th of March clean up, near $70,000.

Manufacturing Interests.—Notwithstanding we are in the midst of a great civil war, there has not been any time during the present century when all kinds of manufacturing (excepting cotton) has been, seemingly, more prosperous than at the present. Go where we will, we find every manufactory filled with orders, and, in most cases, like ourselves, short of help—especially machinists—which, in connection with the high prices of all kinds of material and labor, tend to shorten the supply, and, consequently, increase the demand.

This great demand is the real cause of the mechanical prosperity of the country. There is no country in the world where the power to produce wealth is superior to this; we have the native inventive genius, and our labor-saving inventions are so profuse that they can hardly be enumerated.

A. T. Dewey, a native of Westfield, who learned to set type of Elijah Porter at the *News Letter* Office about fourteen years ago, is now a publisher of the Mining and Scientific Press, in San Francisco, California. He sold his old paper, the *Mountain Messenger*, to his brother, Edw. M. Dewey, who is now publishing it at Downeiville, Sierra county, California. We wish the Dewey brothers abundant success in the "land of gold."

The above is from an old partner, P. L. Buell, Esq., of the Westfield, Mass., *News Letter*, who has anchored safe and sound with the old craft, which we are happy to see is still in a booming condition. His notice is a pleasant reminder of past times and gone-by associations.

Ophir Improvements.—The Ophir Company have moved their heavy hoisting engine and machinery from their old building to that of the Central, a few rods further south, where it is being set up to hoist through the deep shaft of the latter named company. The mason work about the boilers is already finished, the engine put in place, and in a few days the whole of the machinery will be ready for operation.

The squaws at Virginia city are engaged in selling hoquets made of wild flowers, interspersed with a sprinkling of sage brush and cactus.

The imports of foreign dry goods at the port of New York for the month of May have been nearly double the total for the corresponding month of last year.

Iron Ore in Reese River.

The Nye county *News* says:—"Iron ores in immense quantities, and of an excellent quality, have been met with at several spots, and in some cases so near to wood and water that there will be sufficient inducements for capitalists to embark in the business of manufacturing the article, at least to the extent of meeting the demand for stamp-shoes, battery plates, amalgamators, and many other things required about a quartz mill. A party fully conversant with the subject, is of opinion that even railroad iron could be made here to advantage, and even goes so far as to report favorably to his principals in San Francisco on the project of immediately erecting works for the manufacture of such articles as are most largely in use and most frequently require replacing in quartz mills, and ultimately of railroad iron. This gentleman shows by the most conclusive proofs that iron could be made here at a cost of hardly more than half the freight paid for transporting it. From the large consumption that must soon spring up in Central Nevada, it is fully apparent that we shall be able to count forges, furnaces and foundries, amongst our industrial establishments at an early day."

The *News* further adds:—"Mr. Tustin, representing a California company, has recently located a large bed or vein of iron ore, near West Canyon, in Mammoth District, about a mile below Craig and McKeehnn's station, on the Wellington road. The ore is the kind known as magnetic, and so pure that it is believed that common castings, such as stamp-shoes, pans, etc., can be made directly from the ore. In close proximity to the mine, is an inexhaustible supply of fuel and water, which greatly enhance its value."

Indigenous Flax.—The editor of the Reese River *Reveille* has seen several bunches of flax that grew of its own accord in the Ravenswood District. The stalks were upwards of three feet in length, of very fine and strong fiber, and grew in bunches of from forty to fifty on a single root. It is said there is a great deal of it growing in that region, and as it grows so well and in such quantities, there is a possibility that a good business might be established in gathering and manufacturing of it into bale and windlass-rope, etc.

Wild Plums are said to grow with great luxuriance in the Reese River country. They are unusually abundant this season. The editor of the *Reveille* reports having counted from one hundred and forty to one hundred and seventy-five plums upon a single stem. The stems are small, not larger than a riding whip, and there are sometimes as many as thirty or forty of them on a bush. At these figures, should the fruit ripen well, the supply will be almost unlimited.

Soldering Water-Pipes—A Convenient Method.—When it is necessary to solder full water-pipes, that are broken off where it is inconvenient to turn off the water, let the plumber plug up both ends; then surround the two portions of pipe near the fracture with ice and salt. In a few minutes the water within the pipe will be frozen solid. The plugs may now be withdrawn, the fracture repaired, the salt and ice removed, and the water soon commences its flow again.

The Central Railway Company announce their intention to erect a spacious depot, with offices for a staff of clerks, and waiting rooms for passengers, on Taylor street, between Turk and Eddy, near the junction of the City Front, Potrero Nuevo and Lone Mountain roads.

A Very Ancient Printer.—Col. Robert Carr, of Philadelphia, read the farewell address, on the occasion of Washington's birthday celebration in that city last February. Col. C. was an apprentice of Benjamin Franklin, and is nearly 90 years of age.

A negro, named Collins, on Wednesday last week, was driving a six-horse team along the old Carson road. He fell asleep and the team ran off the grade, killing the driver and three of the horses.

Professor Silliman arrived at Los Angeles on the 4th ult. by the Overland route, and left the next morning for Santa Catalina Island.

Diamonds.—Two million dollars' worth of diamonds were imported into the United States the last year. So says a foreign writer who has been reading on the subject.

The next session of the University of the Pacific, at Santa Clara, will commence on the 21st instant.

Gold in Australia.—The amount of Gold received at Siduey, N. S. W., Mint, during the year 1863, was a fraction over $2,000,000.

Mining and Scientific Press.

W. B. EWER,.....Senior Editor.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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San Francisco:
Saturday Morning, July 16, 1864.

The Washoe Coal Company, located on the Truckee river, says the *Piute*, have sunk a shaft on their location, running through several strata of coal, and at a depth of sixty-nine feet struck what is termed by colliers, "coal water," which prevents the advance of further work by ordinary means. They have consequently obtained the use of a boring machine, with which they will sink a well, from the bottom of their shaft, six inches in diameter. If the company, as is predicted by old coal miners they will do, strike their ledge in the well, a large steam engine will immediately be erected for the purpose of more rapidly developing their claim, which it is hoped and believed by many is destined to work a great revolution in the material interests of the Territory. One of the greatest drawbacks to the development of the mining interests has been a scarcity of fuel. If the lately discovered districts will, as is alleged, furnish an unlimited supply of fuel at a moderate tariff, it must prove an untold benefit to all the interests of the Territory.

Indifference.—It is astonishing to the careful observer to witness the indifference with which many people regard curious objects. The rarest fossil, the most curious relic, the most wonderful developments of art or nature are passed by, by many, with the most stolid indifference. Such people, if they had the stone with which David slew Goliah, and it chanced to be a piece of quartz, would pound it up for the grain of gold it might contain; or if the apple which Tell shot from his son's head, or that which revealed the law of gravitation to Newton, or even that which Eve tasted in Eden should fall into their hands, would sell them to a restaurant cook to be made into apple dumplings.

A Volcano in Butte County.—The old story of a volcano in Butte county has been revived. It is said to be somewhere not far from Dogtown, on the Honey Lake road, and is now in a state of eruption. It is said to be on one of the tributaries of the north fork of the Feather river. We suppose this is the same mountain which was discovered in 1861 by a party of Pitt river prospectors, and then in action, emitting smoke, flame and lava. Why don't some of the enterprising prospectors of that region render themselves famous by visiting it and giving us the result of their observations?

Gold in a Corner.—The advance of gold in New York is reported to be in consequence of a "corner"—the same as that which sent Harlem stock up to 230, when intrinsically it was not worth a cent. The time-sales of gold are stated at $2,000,000 more than all the gold in New York. Neither the prospects of the military campaign, the state of the currency nor the financial condition of the Government, have anything to do with the rise of gold. So says an Eastern paper.

The New York *Journal of Commerce* says that never was so much vigor displayed in the preparation and manning of war vessels as at the present time. An entire fleet, larger than our entire navy was before the war, is now fitting out at three or four yards to go southward. Some important naval movement is evidently in the early future.

The *Nevada Gazette* has come out in an enlarged form and with a new dress. This enlargement has been rendered necessary by its increase of advertising patronage. Glad to hear of its success. The *Gazette* is a live paper.

LOOKING EASTWARD.

The silver hunters who have gone forth from California have progressed so far eastward that they are now beginning to look to the Atlantic side of the mountains, instead of the Pacific, for their supplies. The increasing disparity in the value of the circulating medium of the two sections, and the necessarily heavy cost of transportation, which has the Pacific for its base, is rapidly bringing nearer and nearer to San Francisco, the meridian of the mining region at which supplies can be furnished cheaper from the Mississippi valley than from this city; and in so much is the region which must become tributary to San Francisco lessening in extent. St. Louis must ere long become a formidable rival of this city for the trade of even the extreme western limit of the Great Basin. The Pacific Railroad, as it progresses westward in its construction, will lend much more to the advantage of the former than the latter city.

There is evidently a growing feeling among the miners in the central portions of the Great Basin, that it is to their interest to look eastward for their supplies, and gradually to conform their currency to that in circulation there. A late correspondent of the *Call*, of this city, writing from Reese River, tells our merchants and capitalists that they are assuredly pursuing an unwise policy in not investing in the mines of that region. He avers that the capitalists of New York entertain a more appreciative opinion of those mines, and that, in consequence, the Reese Riverites are taking steps to open a direct overland traffic with the great commercial city of the Atlantic.

We apprehend that movements of this kind will be influenced in a very slight degree by the mere circumstance of friendship. Interest, not friendship, always regulates the course of trade. When New York merchants can lay down their goods at Reese River, cheaper than San Francisco merchants can, then, and then only, will there be anything like a general change in the current of trade. It may be well for San Francisco merchants to cast about and do what they can, legitimately, to permanently secure the trade of that portion of the country. Roads should be opened, and where practicable, shortened and improved. There is little doubt but that the present depreciation of the Federal currency is operating seriously to the disadvantage of San Francisco, in this particular. It is to be hoped, however, that this disadvantage will soon be, in a great measure, removed. A favorable result of the two great campaigns in Virginia and Georgia, cannot fail to greatly lessen the present disparity between gold and greenbacks. Our friends in Reese River will then witness a more liberal flow of capital toward their mines than probably obtains at the present time. In the meantime, let the miners push ahead in the development of their claims, and they may obtain a price so much in advance of what they are now asking, that they will consider it a piece of extraordinary good fortune that San Francisco capitalists did, for a while, hold a pretty tight grip on their purse strings.

Meat in New York.—The N. Y. *Tribune* says that beef is worth 18 cents per pound, on foot, in New York, and advises its readers to either abstain entirely, or to use it sparingly until the price comes down. Other New York papers say that the consumption of meat in that city has already fallen off twenty-five per cent, as compared with the consumption during the corresponding period last year.

Important to Miners.—It has recently been discovered that a weak solution of the sulphate of copper, is an excellent material for the preservation of wood. Timbers soaked in this solution have been found, by experiment, to last more than twice as long as those used without any preparation.

Another Dividend—The Belcher Company of Virginia City, have just declared a dividend of $24 per foot. It has been but a short time since their first dividend was declared—but little over a month.

ESMERALDA.

The business of Aurora has greatly improved within the past month. The merchants and miners are reported to be doing better than at any time during the past year. Money is quite freely circulated, and it is said there are but few idle men in the district, except constitutional loafers and others too lazy to work. We gather the following facts from a gentleman resident of this city who has just returned from a short visit to Aurora:—

The Great Western Tunnel and Mining Company, which is one of the earliest locations on Silver Hill, is running to strike several of the richest veins in Esmeralda, among which are the Antelope, the Utah, the Cortes, the Winnemucca, etc. The locations of this Company number some twenty veins, all of which must be intersected by the course of this tunnel. The Company claim 900 feet on each side of the tunnel, upon each of their veins. They are about 300 feet lower than any other tunnel in the hill. The Company is out of debt. Most of the men now at work receive stock in part pay, at a given price, they preferring that to cash, as at the present time there is little or no stock of this company in the market.

This Tunnel is one of the best located in the district, and the management under the present new board of Trustees is cautiously and judiciously conducted, and strictly for the interests of all the shareholders instead of for the benefit of a few of the chief managers.

The Moscow Company, near the Ætna, on Last Chance Hill, is accounted a good mine, by those well acquainted with it. Rock from this mine was exhibited at the State Fair, last summer, which was very rich. The rock has paid at the mill from $80 to $125 per ton. It is much to be regretted that work upon this mine has not been pushed forward with more energy. The stockholders appear to have the fullest confidence in it, and have held back merely on account of the hard times. We understand that under present favorable auspices, work upon the mine will probably soon be resumed.

The Mendota and Sunshine are also favorably spoken of. Considerable work has been done upon both. Upon each of the companies mentioned the amount of work done has been sufficient to give the proprietors a perpetual title, according to the laws of the district.

In the Rel Del Monte, our informant states, that good rock was struck on Friday of last week, in two of the shafts on that claim—the Yellow Jacket and Greenman. The Company's Mill is running night and day and constantly turning out bullion in large amounts. Stockholders in this mine will do well to hold on to their stock.

The Wide West Company are still driving down their incline, below their tunnel level. They are now in a finely developed ledge.

The Cortes, Utah, Crocket and Spring Valley have each a quantity of rock on hand from which they are now crushing.

The Young America Tunnel Company has now a large pile of rock upon their dump from which they are crushing with a yield of from $140 to $165 per ton. We understand that this company has a large surplus in their treasury, some of which they are expending in the purchase of new mines, preferring to thus invest, at the present low rates, rather than to declare a dividend. The bullion from this mine assays about $6.50 to the ounce, being very rich in gold.

Our informant expresses the opinion that the present yield of bullion from the Esmeralda mines, in proportion to the capital invested there, the number of stamps in operation, and the amount of labor employed, is in excess of the yield of the mines in and about Virginia City.

Capt. Kinn's opposition steamer Washoe has proved herself the fastest craft on the Sacramento river. It is said that arrangements are being made to construct another boat to run on alternate days with the Washoe.

The sale of real estate in this City is remarkably limited at the present time.

MINING SHARE MARKET.

The Mining Share Market still continues exceedingly depressed. Nothing of special interest has characterized the market during the week just passed. With two or three exceptions everything on the list manifests a greater or less decline. Speculative enquiry appears to have pretty much ceased, and the transactions in leading shares are largely on account of foreign capitalists. We append our usual remarks.

Ophir has been more active; 267 shares have changed hands the past week against 85 the week previous. Opening on Monday at $750, it advanced to $825 on Tuesday, but gradually declined to $725@$715, seller 10, at last evening's board.

Gould & Curry has been somewhat less active but still continues the chief feature of the market. It has fluctuated considerably during the week, varying from $1,600 to $1,800. Opening on Monday at $1,600, it touched $1,800 on Wednesday and closed, last evening at $1,700 cash and $1,725, seller 10.

Challar maintains its last week's figures with a large increase of business.

Savage has declined to $950, with but little business.

Potosi has been quiet the present week until yesterday when it found a single purchaser at $1,000.

North Potosi has been more active, ruling at about last week's figures.

North American has met with a material advance, from $60 to $72½; it is held quite firmly at $70.

Imperial has been somewhat more active at slightly improved figures.

Belcher has declined from $1,050 to $950; but two transactions are noticed. A dividend of $24 has been declared for the past month.

Yellow Jacket found a purchaser at $740 on Saturday last, and later in the day a seller at $700, since which it has not been heard from.

Golden Age and Empire has still further receded to $14, at which figure it closed on Monday, since which it has been quiet.

Burning Moscow has further receded and with a large increase of business. We quote it at $15.

Melones has receded from its advance of last week to a figure a little lower than it held the week previous. We note, however, but a single transaction, of 20 shares at $7½.

Lady Bryan has still further declined, with a large increase of business; 1,930 shares have changed hands since our last issue at from $13 @$6½, closing at $8¾.

Baltimore American has met with a light business at the uniform rate of $40, a slight decline from last week.

Nevada (J. G.) has been quite inactive, not having been heard from since Saturday last, when we notice a single transaction at $25.

Uncle Sam may be quoted at $405.

Antelope, (Esmeralda) may be quoted at $25; Wide West at $7½ and Utah at $21.

At the annual meeting of Stockholders of the Mount Davidson G. & S. Mining Co. the following gentlemen were elected Trustees for the ensuing year: A. P. Stanford, James Lick Garritt W. Ryckman, James Paul, H. F. Cutter, J. R. Brandon and William Fell. At a subsequent meeting of the Board of Trustees, A. P Stanford was elected President and Wm. Fell Secretary and Treasurer.

The Camanche.—The Board of Supervisors have pledged to Messrs. Donohue, Ryan and Secor, contractors for building the Camancho, $60,000 from the City as security for the payment of damages to that amount, by the Board of Underwriters of the Monitor. In consequence of this, twenty-four men were set to work on Thursday to clear away the ground and place the blocking preparatory to laying the keel of the iron clad, which will probably be done to-day. The contractors assure the public that the work of putting up the vessel will be pushed forward with vigor. We hope no further obstacles to its completion will intervene, but must confess to some misgivings on this point.

Letter from Owensville.

EDITORS MINING PRESS:—Our Fourth has come and gone. The people of Owens Valley who collected here yesterday to celebrate the ever welcomed day have returned to their labors and the town is again quiet. The ceremonies of the day consisted of the reading of the Declaration of Independence, the delivery of an oration, and reading of an original poem, accompanied by patriotic songs, followed in the evening by a horse-race and at night a ball. Every thing passed off to the entire satisfaction of all.

Improvements in town, as elsewhere in the valley, are still going on. The farmers are bringing in garden produce in abundance, and old prospectors know well how to appreciate the many good things offered to their palate. The new saw mill, near Bishop's Creek, will be turning out lumber within two weeks.

The claims in this, the Keyes district, are gaining a good reputation, especially those that have been the most worked, say to the depth of 75 or 100 feet. Such ledges are pronounced the best, simply because the more a ledge is developed, the more people are convinced of its wealth and permanence. Capital is all this camp needs to make it one of the richest and most productive districts in the State. It would require but little capital to place many of the mines here in a paying condition, as all must know who have visited and examined for themselves the mines and noted the abundance of water power, as also the many other natural advantages of the country.

From the mines below we hear that rock from several prominent ledges is being taken out for crushing at the different mills. The Ida and Union mills are now running. The mill at San Carlos starts to-morrow. Some bullion from the Union Company's mill, taken from the Eclipse rock, passed through here yesterday. The rock produced $70 per ton.

A few days since, I had occasion to visit Montgomery District, and while there, I examined the Crockett, Maid, Mississipi and Lookout ledges, and I found them to be well defined, and permanent, with a large amount of very rich mineral distributed through the rock. These ledges are located on the first foot hills, at the western base of the White mountains, within two hundred yards of a large creek, and in the midst of a large section of piñon timber land. We are now just beginning to have warm weather. It has been unusually cold here, during the spring and summer.

PROSPECTOR.

Owensville, July 5th, 1864.

THE KEEL OF THE CAMANCHE was laid yesterday, and her stem put in position. The shears for hoisting the stern-post were also up last evening, so that we may say that the work of putting together this hitherto ill-fated ironclad is now fully under way. Some idea may already be formed, from the length of her keel, of the huge proportions which this great mechanical curiosity will assume when ready to take her place in her natural element.

VARYING WANTS OF MEN.—Earth, water, air, light and warmth are universal conditions of growth. But no two plants agree precisely in the way in which these should be supplied and used. The skillful gardener succeeds, to a degree which astonishes all who do not know that the secret of his success is the exact adaptation to each of his plants. If I might add one other to Esop's Fables, and suppose plants as conscious and talkative as his animals were, we will hear that oleander talking to its neighbor, a tea rose: "You see how green and fresh my leaf is, and I am as strong as a tree, and my blossoms are as full as your own, and equal them in spicy fragrance; it is because I am as wet as possible all the time; and if you would be just as wet, your beauty and your sweetness, would be doubled." If the poor rose followed this counsel a fungus would soon creep along its stem, its leaves would curl and droop, and its buds fall before they had unfolded. For the rose needs comparatively little moisture, but it is hungry for light and water.

We all know that there are things which are good and right and necessary for all; and it is very hard for us to believe that whatever is good and right for us is not so for everybody. It is hard for us to acknowledge and respect the peculiar nature and the peculiar wants of our neighbor. We wish sincerely, perhaps fervently, to do good to him; but instead of trying to do him good in the way which is best for him, we insist that it is only his fault if he does not prosper under the treatment which would be good for us. Let the garden make us wiser.

THE SACRAMENTO VALLEY RAILROAD has secured from the county court an affirmation of the right of the company to lay down their track along the levee, in Sacramento, to K street. This is a prompt recognition of right. The company set a gang of men to work on Tuesday to re-lay the track which had been torn up by the city authorities. This will facilitate the business of the company and greatly enhance the convenience of travelers who arrive on the Bay steamers and wish to travel on the Valley Road.

S. W. GRUSH, a well known and enterprising caterer of Nevada, who has repeatedly met with misfortune by disastrous fires and floods in that City, has taken charge of the culinary department of the steamer WASHOE. It could hardly have been entrusted to better hands.

LITHOGRAPH OF THE PAVILION.—We shall soon issue, for sale, a fine lithograph engraving of the new Mechanics Pavilion, now being erected on Union square, in this City.

FIRE.—A foundry in Yreka, owned by P. J. Shepard, was destroyed by fire on Saturday evening last. Loss estimated at $15,000.

QUARRY MEN and Marble Workers will please observe a notice of an engine and other machinery, advertised for sale in our issue to-day.

A SHOP in a Sicilian village is known by a flag projecting from its front, and never by a sign or name of any kind.

THE San Francisco City Treasurer reported a cash balance of $214,819 in the treasury on Wednesday last.

The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS.

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Notice of Dividend.

At a meeting of the Trustees of Crescent Quartz Mining Company, held June 20th, 1864, a Dividend of Fifty dollars per share was duly declared, payable on July 1st, 1864, at the Office of the Company, Indian Valley, Plumas County, Cal., or in San Francisco, at the office of Isaac Clazier & Bro., 311 Clay street. [26-4t] WM. A. BOLINGER, Sec'y.

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "SLIGHT COLD" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. *"Dr ton's Bronchial Troches"* give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in the pocket and taken as occasion requires.* Agents for California,

1-1m REDINGTON & Co., San Francisco.

Gregory Yale,
ATTORNEY AT LAW.

Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

WM. H. H. FALL,
Commissioner for Nevada Territory
Office, 728 Montgomery St., San Francisco.
1v9m

GOVERNMENT HOUSE.

Northwest corner Washington and Sansome streets San Francisco.

Sixty-Four Rooms and Offices, in Suits or single.

THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.

C. A. CRANE, Proprietor.
JOSEPH C. COLLINS, Superintendent. 3-3m

MUTUAL
Life Insurance Company,
—OF NEW YORK—
Capital, : : : : : : : $9,750,000.

H. S. HOMANS, Agent for California.
613 Montgomery corner Merchant street, San Francisco. 3-tf

New This Week.

Chandler Gold and Silver Mining Company, Palmyra District, N. T.

NOTICE.—There are delinquent upon the following described Stock, on account of Assessment levied, of 25 cents per share, on the Eighth day of March, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D Frees	53	5	$1 25
D Frees	50	10	2 50
D Frees	57	10	2 50
C F Secor	74	24	6 00
C F Secor	75	5	1 25
Wm J Hanley	9	40	10 00
G Percival	10	20	5 00
G Percival	20	20	5 00
G Percival	21	10	2 50
G Percival	22	10	2 50
G Percival	23	10	2 50
G Percival	24	5	1 25
G Percival	25	5	1 25
Wm R Brown (not issued) Dec. 14, '63		40	10 00
Wm R Brown (not issued) Mar. 8, '64		40	10 00
R Kirk	2	40	10 00
J W Lyon (not issued)		40	10 00
M Ahern (not issued)		20	5 00
M Bailey	65	34	8 50

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by Jerome Rice & Co., No. 327, Montgomery street, San Francisco, on the 3d day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. J. S. MEYEN, Secretary.

Office, N. E. Corner Pine & Montgomery. 3-3t

Lancaster Gold and Silver Mining Company, Palmyra District, N. T.

NOTICE.—There are delinquent upon the following described stock on account of assessments levied on the above company, of 25 cents per share, on the 8th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
G Percival	19	20	$5 00
G Percival	20	20	5 00
G Percival	21	10	2 50
G Percival	22	10	2 50
G Percival	23	10	2 50
C Percival	24	5	1 25
G Percival	25	5	1 25
R Kirk	104	80	9 00
M Bailey	65	20	0 50
C F Secor	73	5	1 25
C F Secor	74	28	7 00
Wm R Brown, Dec 14, '63 not issued		40	10 00
Wm R Brown, Mar 8, '64 not issued		40	10 00
J W Lyon (not issued)		40	10 00
M Ahern (not issued		20	5 00

And in accordance with law, and an order of the Board of Trustees made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by Jerome Rice & Co., No. 327 Montgomery street, San Francisco, Cal., on the 3d day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. J. S. MEYER, Secretary.

Office, N. E. Corner Montgomery & Pine, 3-3t.

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There is delinquent, upon the following described Stock, on account of Assessment levied on the 13th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C. Brown,	12	25	$125
J G Beideman,	54	25	125
O W Childs,	49	25	125
H Hubbard,	46	25	125
T R Hayes,	15	50	250
C Hayward,	51	10	50
P L Kraner,	10	25	125
J McMeehan	4	50	250
C J Mosely,	16	25	125
W C Root,	48	25	125
L A Sauderson,	11	25	125
J Tirrell, Jr.,	69	50	250
Francis & Whitney,	71	25	125
Francis & Whitney,	72	25	125
E Whitney,	73	15	75

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of June, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the office of the Company, No. 623 Montgomery st., San Francisco, California, on Friday, the 5th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 3-3t

McElroy Gold and Silver Mining Company, Pamlyra District, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied of 25 cents per share, on the 8th day of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
G Percival,	20	20.	$5 00
G Percival,	21	20	5 00
G Percival,	22	10	2 50
G Percival,	23	10	2 50
G Percival,	24	10	2 50
C Percival,	25	5	1 25
G Percival,	26	5	1 25
D Frees,	55	5	1 25
D Frees,	58	10	2 50
D Frees,	50	10	2 50
C F Secor,	59	24	6 00
C F Secor,	70	5	1 25
M Bailey,	63	34	8 50
Wm J Bailey,	10	40	10 00
R Kirk,	91	30	9 00
Wm R Brown, not issued, Dec. 14, 1863		40	10 00
Wm R Brown, not issued, March 8, 1864		40	10 00
J W Lyon, not issued, March 8, 1864		40	10 00
M Ahern, not issued, March 8, 1864		20	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, by Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of August, 1864, at 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, N. E. Corner Pine & Montgomery streets. 3-3t

DENTAL GOODS!

Dental Importing House.

R. H. McDONALD & CO.,
DRUGGISTS,

Corner Pine and Sansome streets, SAN FRANCISCO.

R. H. McDONALD & CO., DRUGGISTS, SACRAMENTO.

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

DENTAL AND SURGICAL INSTRUMENTS, TEETH,

Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Plugers, Scalers, Files.

ROSEWOOD DENTAL CASES,

Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

Dental Books.

We keep constanly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

3-3m R. H. McDONALD & CO., Druggists.

R. H. McDONALD. J. C. SPENCER.

R. H. McDonald & Co.,
WHOLESALE DRUGGISTS,
SACRAMENTO.

R. H. McDonald & Co.,
Cor. of Sansome and Pine Sts.,
SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABLISHment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS,	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND RETAIL DEALers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**

122 J street, Sacramento. 513 Clay street, San Francisco. 3-6m

NOTICE
To Marble Quarry Owners.

A PARTY HAVING A COMPLETE SET OF MACHINery for Sawing and Polishing Marble, would like to make arrangements for placing the same upon some good Quarry, as near San Francisco as possible, and become part owner of the same.

THE MACHINERY CONSISTS OF TWENTY-FIVE HORSE POWER ENOINE AND BOILER, A TWELVE FOOT RUBBING BED, TWO GANGS SAWS, &c.

If not otherwise disposed of, will be sold low for cash. Enquire at this office. 3-tf

HENRY V. POSER,
Ornamental Plasterer.

No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.

OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.

☞ Terms Moderate. ☜ 2-1m

ENGINE AND BOILER
FOR SALE.

A TWENTY-FIVE HORSE POWER ENGINE AND BOILER, NEW AND COMPLETE—ENOINE TEN INCH CYLINDER, AND TWO FEET STROKE—WILL BE SOLD VERY LOW FOR CASH.

☞ Enquire at this Office. ☜ 3-tf

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

THE BANK OF CALIFORNIA.

INCORPORATED UNDER THE LAWS OF THE STATE.

Capital Stock, *(Paid up in Gold Coin,)*..**$2,000,000.**

WITH THE PRIVILEGE OF INCREASING TO

$5,000,000.

STOCKHOLDERS.

SAN FRANCISCO.

D. O. Mills,	Herman Michels,
Wm. C. Ralston,	Frederick Billings,
R. S. Fretz,	George H. Howard,
J. B. Thomas,	H. F. Teschemacher,
Louis McLane,	A. Hayward,
Asa T. Lawton,	Moses Ellis,
Wm. E. Barron,	A. B. McCreary,
Thos. Bell,	R. M. Jessup,
Jno. O. Earl,	Samuel Knight,
Wm. Norris,	A. C. Henry,
J. Whitney, Jr.,	J. C. Wilmerding,
O. F. Giffin,	Wm. Alvord.
A. J. Pope,	

PORTLAND, OREGON.

Jacob Kamm.

D. O. MILLS, Pres't. WM. C. RALSTON, Cash't.

Correspondents in New York, LEES & WALLER, No. 33 Pine street.

Correspondents in London, BANK OF LONDON.

THE UNDERSIGNED GIVE NOTICE THAT THE ABOVE named corporation has been organized for the purpose of carrying on the Banking and Exchange Business, in all its branches, in this City and with the interior of this State, the neighboring State and Territories, and with Mexico; also with the At antic Cities, Europe, China, and the East Indies; for which they are provided with amp e facilities, and in conformity with articles of association will commence operations on the fifth day of July next, at the Banking House now occupied by DONOHOE, RALSTON & CO., corner of Washington and Battery Streets.

With the view of giving to the business of the corporatiou all the efficiency and promptitude of a private banking firm, together with that confidential secinsion of private business matters so generally desired, the immediate management of its affairs is committed exclusively to D. O. MILLS and WM. C. RALSTON as President and Cashier respectively, to whom, or either of them, the customers of the Bank will apply in all business matters. The regular meetings of the Board of Trustees will take place monthly.

The undersigned deem it advisable to call particular attention to the following peculiarities of their organization, which are positively binding on all its members:

First.—Sales of its Capital Stock can be effected only after due appraisement by Stockholders selected for that special purpose; and the Trustees of the corporation have, in all cases, the right to become purchasers of the Stock appraised at the appraisement, for the benefit of the remaining Stockholders. This restriction is printed upon each Certificate of Stock.

Second.—Loans cannot be made to Stockholders, except upon collaterals other than their Shares in the Capital Stock of this Bank.

Trustees:

D. O. Mills,	J. B. Thomas,
Louis McLane,	Thos. Bell,
Wm. Norris,	A. J. Pope,
Jno. O. Earl,	O. F. Giffin,
Herman Michels,	Jas. Whitney, jr.
W. C. Ralston,	

San Francisco, June 18th, 1864. 26-1m

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly of the city of New York, and Joseph A. Donohoe, Wm. C. Ralston, and Ralph S. Fretz, of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO, San Francisco, will cease on the 1st day of July 1864, Eugene Kelly and Joseph A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly, and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the banking house of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, attorney,)
JOSEPH A. DONOHOE,
WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 13, 1864.

THE UNDERSIGNED, CALLING ATTENTION TO THE above card, give notice that on and after the first day of July next, they will continue the business of the above copartnership without interruption, at the old banking house of Donohoe, Ralston & Co., in this city, under the firm name of FRETZ & RALSTON, and in New York through the agency of Messrs. LEES & WALLER, No. 33 Pine street; and that on and after the 6th day of July next, they, together with D. O. Mills, J. B. Thomas, Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. O. Earl, Wm. Norris, J. Whitney, Jr., O. F. Giffin, A. J. Pope, Herman Michels, Frederick Billings, Geo. H. Howard, H. F. Teschemacher, A. Haywood, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Wilmerding and Wm. Alvord of San Francisco, and Jacob Korn, of Portland, Oregon, having becomc for that purpose duly incorporated under the laws of this State, will carry on the business of banking in all its branhces at the same place and through the same agecucy, and upon the basis of a Gold and Silver currency, under the name of

THE BANK OF CALIFORNIA.

D. O. MILLS and WM. C. RALSTON will be chargod with the management of the business of the Corporation.

WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 15, 1864. 25-1m.

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly, of the city of New York, and Joseph A. Donohoe, William C. Ralston, and Ralph S. Fretz of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO., San Francisco, will cease on the first (1st) day of July, 1864. Eugene Kelly and J. A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the Banking House of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, Attorncy.)
J. A. DONOHOE,
W. C. RALSTON,
R. S. Fretz.

San Francisco, June 13th, 1864.

THE UNDERSIGNED HAVE FORMED A COPARTNERship for the transaction of a general Banking and Exchange Business, under the firm name of DONOHOE, KELLY & CO., in San Francisco, and EUGENE KELLY & CO., in New York, commencing July 1st, 1864. Their Banking House in this city will be at the southeast corncr of Montgomery and Sacramento stects.

EUGENE KELLY,
JOSEPH A. DONOHOE.

San Francisco, June 15th, 1864. 26-1m

Palmer's Patent

ARTIFICIAL LEG,

Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

629 Washington Street, San Francisco, Cal. 10v8-1m

D. NORCROSS,

MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.

aug17-tf Masonic Temple, No. 6, Post Street.

BUSWELL & CO.,

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BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.

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AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.

Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. of the par value is always required.

We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,

70 Wall street, New York,
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Advance Made on Copper Ores,

WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.

WM. T. COLEMAN & CO.,
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Exchange on New York,

PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco,

HUNT'S IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order, they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market. Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

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No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 23 Government Building, corner of Sansome and Washington streets, San Francisco.

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19-3m

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MANUFACTURERS AND IMPORTERS OF

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IMPROVED WATER-WHEEL,

—PATENTED BY—

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Giving the Maximum Power with the Minimum Cost; Having the Following as Some of its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—it is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
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NOTARY PUBLIC,

And Commissioner for Nevada Territory.

Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. [23-tf] W. W. WIGGINS.

BLAKE'S QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars contalning further information, may he obtalued of the undersigned.

BLAKE & TYLER,
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Idaho City. Michigan Bluff. San Francisco.
1-3m

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OWENS & FINE,

Mining Secretaries, Real Estate and General Agents,

WILL ATTEND TO DRAWING MINING STOCKS, PAYING ASSESSMENTS, BUYING AND SELLING STOCK LOCATED

IN ALPINE COUNTY.

OFFICE.—Mammoth Hotel, Main Street, between Second and Third, Silver Mountain. 20-3m

G. E. MOORE,

Assayer and Analytical Chemist,

Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to exceute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.

REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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Promptness and Accuracy Secured,

BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!

J. H. CHURCHILL, M. A.,

Consulting Chemist, [from Europe.]

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METTALLURGICAL WORKS;

Bryant Street, Between Third and Fourth, San Francisco.

☞ Office, 418 Montgomery Street. ☜

☞ Gold and Silver Ores Reduced.

Practical Assays made of Gold, Silver and Lead Ores.

19-tf Also Cupellation and Refining of Silver and Gold.

Evening Instruction in Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 10th, 1864. 20

DEETKEN & CO'S

METALLURGICAL WORKS,

FOR THE REDUCTION OF

SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC, CUPELLATIONS AND REFINING OF SILVER AND GOLD,

Practical Assays for Silver and Gold, in small and largo quantities, by Smelting, Chlorination and Pan Manipulation.

WORKS—On the San Bruno Road.

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ALBANY IRON WORKS,

Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS
D. S. DONLETY,
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San Francisco, May 24, 1864. 22-tf

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IMPORTERS AND JOBBERS OF

WOOD AND WILLOW WARE,

Brushes, Twine, Cordage, Etc.,

And Manufacturers of California Pails, Tubs, Brooms, Etc.,

217 and 219 Sacramento St., between Front and Duvis,
2-tf SAN FRANCISCO.

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

1-4t W. A. H. TOWN, Secretary.

STEEL! STEEL!! STEEL!!!

OCTAGON, 7-8, 1in, 1 1-8,

SQUARE, 3-4, 7-8, 1in, 1⅛in.

For Sale in lots to suit Purchascrs by

Office, 405 Front street, San Francisco. J. S. CURTIS. 6v8tf

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.

Office of the Company No. 328 Montgomery street. 1tf

Lloyd's New Amalgamator

Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 600 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 15¾ ozs., Ryerson's machine having only 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold	$73 33
Silver	42
To the Ton	$73 75

The assay being made by Messrs. Molitor & Co.

From 2 pounds of the same ore, worked for the same party, was obtained:

Gold	$63 30
Silver	04
To the Ton	$63 34

Assay made by Kellogg, Hewston & Co.

The mine from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $35 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $53 54.2 per ton; and over the works at the mill, $62 54.2 per ton. Result from 15 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. Munday, who obtained: Gold, $0.19, Silver, $1.52, amounting to $2.71-100—equal to $361.33-100 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Deetken, at his metallurgical works in this city, obtained by the Varney Pan $154 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 68 pounds of ore from the Lady of the Lake Company, Leland Lode, San Francisco District, Arizona Territory, worked for C. W. C. Rowell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $226.18-100. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Hewston & Co., yielded $7.58-100—equal to $111.60 to the ton. Difference in favor of Lloyd being $114.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and is certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines, can be addressed to the care of Messrs. Kustell Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMIned the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, whore all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St, between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR having completed arrangements for its manufacture at the Union Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS,
NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st. 1864. 14v8-tf

Vulcan Iron Works Company.

P. TORQUET, Manager.

Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. JONVAL and other Turbine Water Wheels with latest improvements.

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Mechanical.

SAN FRANCISCO FOUNDRY
And Machine Works,
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ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, High and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.
☞ Steam Engines constantly on hand.
Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.
☞ REPAIRING promptly attended to.
DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
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EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as follows:
Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KINO.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets, SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.
Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.
Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
E OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

D. B. HINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
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By H. H. BANCROFT & CO.,
MINING LAWS AND FORMS,
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This edition contains all the Laws of the State of California and of the Territory of Nevada, relative to
MINING CORPORATIONS,
Canal Companies, Assessments, Transfer Agencies, Changing place of Business, Mineral Lands, Actions respecting and conveyances of Mining claims, Taxation, Foreign Miners, Etc., Etc.
TOGETHER WITH THE
Mining Ordinances of Mexico
—AND—
Recent Decrees of the Mexican Gov'mt,
Forms for the Incorporation of Mining Companies, and a Digest of the decisions of the SUPREME COURT of the State of California, Relative to Mining Corporations and Mining Interests.
16mo, flexible cloth, 192 pp. $2.50.
For Sale at all the Bookstores. 1tf

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Wire Rope Manufacturers,
Established 1857.
Office, No. 412 Clay street—Works, North Beach, SAN FRANCISCO.

After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for
HOISTING FROM DEEP MINES,
GUY ROPES FOR DERRICKS, &c.
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
SASH CORD FOR WINDOW SASHES,
ETC., ETC., ETC., ETC., ETC., ETC.
It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.

MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.

Wire Fencing Strand,
For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.
Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.

WIRE SUSPENSION BRIDGES AND AQUEDUCTS
We are prepared to erect, of any span and capacity, and take pleasure in referring those interested to the many structures of this kind built by us in California, Oregon and British Columbia, of span from 200 to 400 feet. 3-3m

JOHN P. GALLAGHER.....JOSEPH B. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
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(Removed from Oregon street, between Front and Davis.) j2tf

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LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

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MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
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Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL, And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,
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DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.
Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
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WOODARD & WILSON,
Copper Crushing and Grinding.
Attend to all kinds of Grinding & Crushing,
—SUCH AS—
COPPER ORES, MARBLE DUST, FIRE-BRICK DUST,
And Feed of all Kinds,
All of which will be Ground at the Shortest Notice.
—ALSO—
California Mineral Paint and Mineral Polishing Powder.
Works—No. 537 Market Street.
San Francisco, January 1st, 1864. I-tf

J. H. GRUSH, J. A. PEEE, W. EUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
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WOOD WORK FOR ALL KINDS OF MACHINERY.

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(SUCCESSOR TO O. GORI)
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Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
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Quartz Mill and Reduction Works,
ARE PREPARED TO WORK GOLD AND SILVER ORES. in large or small quantities.
Working assays made of small lots, and all kinds of ores crushed at short notice.
Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
WHEELER & THAYER, Proprietors.
C. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf

Deetken & Co's
METALLURGICAL WORKS.
We respectfully inform the mining community in general, that having completed our
NEW SMELTING FURNACES
We are now ready to smelt every kind of Silver and Gold Ores. Parties unable to get satisfactory results by amalgamation, will find it to their interest to have their ore smelted at our works.
LARGE CONTRACTS ACCEPTED AT LOW RATES AND RESULTS GUARANTEED.
Facilities on hand to work all and every kind of Gold and Silver bearing ores as well as it can be done in Europe.
Amalgamation & Chloration
Carried on, on Silver and Gold ores as heretofore.
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PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOGRAPHICAL MAPS AND MINING ENGINEERING IN ALL ITS BRANCHES.
☞ References given where required. ☜ 26-3m

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Juvenile and School Books,
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NATHANIEL GRAY,
General Furnishing Undertaker,
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FREDERICK MANSELL.
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No. 422 California street, corner of Leidsdorff.
Drawings of MODELS made for parties applying for patents at Washington or London. mar23-tf.

Owen's River Canal Company.
CAPITAL STOCK.....$1,000,000
10,000 Shares.....$100 per Share.
A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.
Full Paid and Unassessable Stock,
Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 405 Montgomery Street.
President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON
TRUSTEES:
R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg
Office of the Company 328 Montgomery Street. j1tf

Pacific Mail Steamship Company.
THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF JULY, 1864.
July 2—GOLDEN CITY.....Capt. W. F. Lapidge.
July 13—ST. LOUIS.....Capt Wm. H. Hudson.
July 23—CONSTITUTION.....Capt. J. T. Watkins.
From Folsom street Wharf, at nine o'clock A. M., punctually,
FOR PANAMA.
Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.
A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

SQUARZA'S PUNCH.
FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
No. 44 Leidsdorff street, opposite the What Cheer House,
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Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
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THOMAS HILL,
Member of the S. F. Stock and Exchange (1st) Board.
A. H. MURDOCK,
Member of Stock Exchange,
No. 623 Montgomery Street, Opposite Montgomery Block, SAN FRANCISCO.

REMOVAL.
J. R. BEARD, STOCK BROKER,
MEMBER SAN FRANCISCO STOCK AND EXCHANGE BOARD, HAS REMOVED HIS OFFICE TO
6v8-tf No. 707 Montgomery street, Brokers Block.

COMMISSIONER OF DEEDS
For Arizona Territory,
B. W. MUDGE,
No. 528 Clay street, San Francisco.
16v8-3m

THOS. DAVENPORT. W. D. SMITH
DAVENPORT & SMITH,
Mining & General Accountants,
SCRIVENERS, CONVEYANCERS, ETC.
Office, No. 14 Government Block, N. W. corner of Sansoma and Washington streets, San Francisco.
REFER BY PERMISSION TO
Donohoe, Ralston & Co, | J. G. Sanbora & Co.,
Sather & Co., | Ross, Dempster & Co.,
John Parrott, Esq., | Dibblee, Hyde & Co.,
James J. Robbins, Esq., | Dickson, DeWolf & Co.,

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
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HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
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THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

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MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
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HENRY SCHMIEDELL,
(Member of the San Francisco Stock and Exchange Board,)
Stock Broker and Real Estate Agent.
Office, 705 Montgomery Street, San Francisco. 18-m

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for Nevada Ter.
Office, Montgomery Block, 630 Montgomery Street,
10v8-2m SAN FRANCISCO.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-m

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By FRONTIER & DEVIERCY.
437 Pine Street, San Francisco.
au31tf.

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CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.
We offer a Splendid Assortment of the above goods at the
LOWEST RATES.
HAYNES & LAWTON,
516 and 518 Sansome st., cor. Merchant, San Francisco.
1-3m

A New and Valuable Book.
PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo Illustrated.
This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.
Price—post paid—Cloth $6; Sheep $7.
A. ROMAN & CO.,
Booksellers, Importers and Publishers,
417 and 419 Montgomery street,
no30-tf San Francisco.

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VOLUME IX
—OF—
The Mining and Scientific Press
COMMENCES
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

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An Economist to Millmen,
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An Incentive to Inventors,
A Reflector for Patentees,

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In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new Inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered " one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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One Year, (two volumes)..... $5.00
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Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

OFFICE in Government House, Nos. 56 and 67, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

A GREAT INDUSTRIAL FAIR!

—TO BE—
Opened in San Francisco,
—ON THE—
30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked separately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time,

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON, A. S. HALLIDIE.
H. D. DUNN, P. B. DEXTER.
E. NUNAN, P. J. O'CONNOR.
W. H. KNIGHT, C. R. STEIGER.
E. N. TORRY, W. H. BRYAN.
H. F WILLIAMS, J. A. PRITCHARD.
19-tf

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

Mining Notices.

Advertised in Previous Issues.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of 20 cents per share was levied upon the capital stock of said Company, payable immediately in United States gold coin, to the Secretary, at the office of the company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 29th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. N. G. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 1-4t

Astor Ledge and Company, Big Creek District, Lander county, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of May, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately, to the Secretary, at No. 3, Armory Hall, 3d floor, corner of Montgomery and Sacramento streets, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 4th day of August, 1864, to pay the delinquent assessments, together with costs of advertising and expenses of the sale.

S. PURDY, Secretary.

Office, Armory Hall, corner Montgomery and California streets, San Francisco. 25-4t

Amador Consolidated Silver Mining Company. Amador District, Lander County, Nevada Territory.

Notice is herby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an assessment of Four Dollars per share was duly levied, upon the capital stock of said company, payable on the 27th day of June, 1864, in gold coin of the United States of America, to the Secretary, at the office of the Company, No. 623 Washington street, in the city of San Francisco.

Any stock upon which said assessment shall remain unpaid on the 27th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of August, 1864, to pay the delinquent assessments and cost of advertising and expenses of sale. F. S. CARTER, Secretary.

25-5t Office, 623 Washington street, San Francisco.

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, San Francisco, June 22d, 1864.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held November 2d, 1863, an assessment, No. 1, of twelve and a half (12½) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No 2, of twelve and one-half (12½) cents per share was levied upon the Capital Stock of said Company. Both assessments, Nos. 1 and 2, payable immediately, in United States gold coin to the Treasurer, at the office of said Company, or to John Moffat, Superintendent of said Company, at the mine, in Nevada Territory.

Any stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. JOHN SHAW,

26-5t President.

Beaver Gold and Silver Mining Company, Gold Hill, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of June, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 21st day of June, 1864 in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before will be sold on Monday, the 8th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. VALE, Secretary.

Office, Nos. 55 & 56 Exchange Building, N. W. corner Washington and Montgomery Streets, San Francisco. 26-4t

Bay State Gold and Silver Mining Company, Turnback District, Tuolumne county, California.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Bay State Gold and Silver Mining Company, there will be sold, at Public Auction, to the highest bidder, for cash, in U. S. gold coin, on the 11th day of July, 1864, at 11 o'clock A. M., at the salesroom of L. Keller, No. 537 California street, San Francisco, so many shares of the capital stock of the Company, standing in the names of the following persons, or shareholders, as will be necessary for the payment of Assessment No. 4, of two dollars per share, duly levied thereon March 23d, 1864, by the Board of Trustees, together with the expenses of advertisement and sale, unless said Assessment and accruing charges are previously paid:

Names.	No. Certificates.	No. Shares.	Amt.
John Sedgwick	2, 3, 4—en 50	150	$300
John Sedgwick	6, 7, 8, 9, 10—ea 20	100	200
John Sedgwick	11, 12, 13, 14, 15—ea 10	50	100
Benj Wilson	22	100	200
Benj Wilson	23	200	400
Benj Wilson	24	20	40
W B Farwell	33	400	bal 700
Phillip Myers	48, 52, 53, 54, 55—ea 20	100	200
Phillip Myers	57	5	10
Phillip Myers	58	15	30
W H Finch	29, 30, 31—ea 100	300	600
W H Finch	32	50	100
W H Finch	33, 34, 35, 36, 37—ea 10	50	bal 50
Jas G Read	1	10	20
Jas G Read	49	25	50
S E Holcomb	16	120	240
S D Jones	25	200	400
S D Jones	43	30	60
S D Jones	44, 45, 46—ea 20	60	120
S D Jones	47	10	20
Geo Weetman	19	20	40
L H Lincoln	20	10	20
Wheeler Martin	41	75	150
Wheeler Martin	56	100	200
Geo W Rose	40	75	bal 100
H Clark	42	150	300

By order of the Board of Trustees.

J. F. HARRIS, Secretary.

Office, southeast corner Second and Howard streets, San Francisco, June 8th, 1864. 24-4t

The above sale is postponed until Thursday, July 21, 1864, at the same hour and place. By order of the Board of Trustees. (2-2t) J. F. HARRIS, Secretary.

Cedar Gold and Silver Mining Company.—Mine located in Esmeralda District.

NOTICE—There are delinquent upon the following described stock on account of Assessments levied on the 20th and 21st days of May, 1864, the several amounts set opposite the names of the respective share-holders, as follows:—

Names,	No. Cert.	No. Sh's.	Am't,
L Quint,	2	17	$17
W A Carroll,	3	17	17
D Hardy,	10	8	8
D Hardy,	12	6	6
J H Warwick,	14	5	5
J F Barss,	15	10	20
J F Barss,	16	10	10
J F Barss,	17	10	10
H McKinnon,	18	20	20
B O Cutter,	19	10	10
B O Cutter,	48	26	25
D H Haskett,	23	15	15
C A Wiles,	25	10	10
C A Wiles,	26	15	15
A Houlton,	27	10	10
D C Travis,	28	10	10
Uriah Miller,	29	10	10
Uriah Miller,	30	9	9
Warren Norton,	31	12	12
A McLaughlin,	32	12	12
David Walker,	33	10	10
P. Evarts,	35	25	25
Louis Landsberger,	36	10	10
F McGovern,	37	17½	17½
W S Runyon,	34	25	25
W S Runyon,	38	20	20
W S Runyon,	39	5	5
D G Francis,	41	5	5
D G Francis.	42	5	5
T E Dorr,	44	5	5
T E Dorr,	43	15	15
Myron Sheldon,	45	12	12
John Ives,	46	7½	7½
H S Sanders,	49	50	50
H S Sanders,	50	10	10
H S Sanders,	51	10	10
H S Sanders,	52	10	10
H S Sanders,	53	8	8
C P Rutherford, stock not issued,		35½	35½

And in accordance with law, and an order of the Board of Trustees, made on the twentieth day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at Public Auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 6th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

T. L. BIBBINS, Secretary.

26-4t Office 302, Montgomery Street, San Francisco.

POSTPONEMENT.—The above sale is postponed to Monday, the 18th day of July, 1864, at the same hour and place. By order of the Board of Trustees.

2-2t T. L. BIBBINS, Secretary.

Clinton Gold and Silver Mining Company, Reese River District, Lander County, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 2d day of July, 1864, an Assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 21 day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the company, No. 25 Montgomery Block, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 26th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. G. APPLETON, Secretary.

Office, No. 25 Montgomery Block, San Francisco. 2-4t

Cavour Gold and Silver Mining Company, Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of April, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately in United States gold coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. JOSEPH C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Copp Gold and Silver Mining Company, Sierra District, Hamboldt county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of June, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 13th day of June, 1864, in United States Gold Coin, to the Secretary, or to Henry Copp, Dan Glen, Humboldt, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on SATURDAY, the 30th day of July, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. E. X. FIELD, Sec'y.

25-4t Office, 509 Clay st., Room, No. 1, San Francisco, Cal.

Coso Silver Mining Company, Coso District Tulare County, California.

Notice.—There are delinquent upon the following described stock on account of assessments levied on the 2d day of June 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Am't
Abbot Jos E	755	3	$3 00
do do	910	5	5 00
do do	1108	4	4 00
Austin Henry	1100	1	1 00
do do	1379	3	3 00
Adsif L B	1423	5	5
Arnold Bros	764	5	5
Burbank D	748	6	6
Bell G W	457	5	5
Beattie Geo	779	5	5
Bramstane Geo	788	3	3
Blanding E J bal 5 shs	809	2	2
Bowden C S	911	1	1
Brainard H C	1325	5	5
Brann R G	1593	25	25
Barker B M	1541	10	10
do do	1542	9	9
do do	1543	5	5
Bourn W B	1291	20	20
do do	1292	10	10
do do	1458	45	45
Beaver G W bal 60 shs	1343	2	2
Barneman F G	1358	2	2
Barker J L	1393	5	5
do do	1394	5	5
Bowen E	1409	3	3
Bigelow Bros	1441	7	7
Beckford D K	1512	5	5
do do	1513	5	5
do do	1514	5	5
do do	1520	3	3
do do	1521	5	5
Cbace M T	711	5	5
Colby H H	1403	1	1
Cole Mary C	891	5	5
Colburn R	1027	5	5
do do	1077	5	5
Clark E F	1558	30	30
Craig J bal 5 shs	1331	1	1
Coleman Thos	1356	3	3
Cook P	1421	5	5
Carle E bal 5 shs	1471	1	1
Collins J C	1473	5	5
Cleary F D	1498	10	10
do do	1499	5	5
do do	1535	20	20
do do	1536	10	10
do do	1537	5	5
Crane Israel bal 10 shs	1524	7	7
do do	1537	20	20
do do	1538	20	20
do do	1539	10	10
Davis G B	1063	14	14
Davis Car F	758	3	3
Dunn John	928	5	5
do do	925	5	5
Davis J C	1028	5	5
Elmore M J	1562	18	18
Ellmatter F S	1594	6	4
Elliott W bal 5 shs	1172	1	1
Fletcher N K	699	5	5
Farnsworth J L	1399	4	5
French W N	1067	10	10
French R F	1068	5	5
Foreaith E W	1162	10	10
do do	1163	5	5
do do	1167	10	10
Fell Wm	1525	20	20
Farrell J D	15 0	4	4
Hyame E	1475	5	5
Hendric J W	686	15	15
do do	687	15	15
do do	731	20	20
do do	915	10	10
Hale H B	982	10	10
do do	1036	10	10
do do		7½	7
Harnden F H	1150	9	9
do do	1151	1	1
Hinckman P L bal 49 shs	1158	19	19
Hathaway E V	1307	20	20
Kelly Tbos	1217	7	7
do do	1549	3	3
Kramer F	1508	12	12
Gallagher W K	1509	7	7
Goedman P	1538	4	4
Kelly J D	1539	10	10
Lang J L	482	1	1
Lathrop L B	566	4	4
do do	567	10	10
do do	569	15	15
do do	572	15	15
Lawrence W W	1357	2	2
Lyle J B bal of 9 sbs	1526	4	4
do do	1388	10	10
do do	1389	10	10
Levy A	1461	10	10
Law Mok	1511	2	2
do do	1595	7	7
Lacy T J P	1553	10	10
Milbourne Louisa	776	2	2
Miller Mrs Marian	1440	10	10
Miller Tbos	1486	10	10
Mills Philo bal 43 shs	1037	10	10
do do	1760	25	25
do do	1414	5	5
do do	1551	7	7
Miller Bros	1054	5	5
Manderille J C	1134	25	25
Miller A D bal 8 shs	1501	2	2
McDougall Carolino bal 10	1360	3	3
Mackay Owen	1405	5	5
Nutter Annie M	1011	2	2
Nauman Emile	1048	5	5
Norton J	1412	10	10
Nelson J P	1195	5	5
McCort Robt	1425	3	3
McCollam T W	1559	19	19
Marsh A	1563	1	1
Moses Amanda L	1578	15	15
Morgan L E	1582	20	20
Mayers A	1592	8	8
O'Connor J	1597	19	19
Presbo S A	1591	31	31
Prichard J	881	4	4
Prince Tbos	1480	5	5
Pond E B	1136	25	25
Pease F T	1592	10	10
Packard Chas	1427	20	20
Poacher M	1347	1	1
Peel J	1453	5	5
do do	1600	4	4
Polk R T	1463	20	20
Rodenith Emilo	974	5	5
Rogers Chas	1178	5	5
Terrilliger N B	1504	10	10
do do	1507	5	5
Tuite Agnes J	1554	25	25
Rice A W	1574	5	5
Thibault T J	1589	18	18
do do	1590	20	20
Snell E	594	2	2
Swift W L	695	1	1
Shattuck Anna B	855	1	1
do do	1132	5	5
Steere T F	1300	5	5
do do bal 3 shs	1329	1	1
Selleck S	1119	5	5
Thomas P J	530	5	5
Titcomb J H	1181	10	10
Thine J P	1443	3	3
Tyler G W	1415	10	10
Thomas Eliza	1435	5	5
Sorem C E	1348	1	1

Sparrow S J	1491	10	10
do do	1492	10	10
do do	1499	13	13
Scott H	1510	50	50
Seale H	1579	13	13
Smith C	1581	10	10
Upton C D	1269	10	10
Wood Ceo	1575	50	50
Warth E	1874	3	3
Wadhams Wm	918	1	1
do do	919	1	1
do do	9.0	1	1
Whitney S	1576	49	49
do do	1577	50	50
Whitney Dr J P	1 44	20	20
do du	1153	15	15
do do	1211	2	2
Wiswell T	1499	10	10
Wyse N H bal 5 shs	1470	1	1
Wheeler Mrs C P	1341	1	1
Williams H	1420	2	2
Washburn L	1451	20	20
Woods F H	1570	25	25
Wood Mary D	1003	31	31
Wood Emily	1604	30	30

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 16th day of July, 1864, at 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. D. W. CHAMBERS, Secretary.

Office, 636 Clay street, San Francisco, California. 1

Dexter Tunnel and Mining Company.—Location, Reese River, Nevada Territory.

Notice.—There is delinquent upon the following described stock, on account of an Assessment (No. 2) levied on the 1st day of April, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shs.	Amt.
Betz, R	102, 103, 104, 105, 106, 107, 108, 109, 110, 111 —10 shs ea	100	50 00
Bell, G H	185	25	12 50
Bell, G H	186, 187—20 shs ea	40	20 00
Dexter, C H	77, 78, 79, 80, 81 —10 shs ea	100	50 00
Ebert, Geo	179, 180, 181, 182, 183—10 shs ea	50	25 00
Folz, C	162, 163, 164, 165, 166—10 shs ea	50	25 00
Grubler, J	6	50	25 00
Grubler, J	8	5	2 50
Grubler, J	9	5	2 50
Gerhardt, C	132, 133, 134, 135, 136, 137, 138, 140, 141 —10 shs ea	90	45 00
Gunther, J B	177	10	5 00
Henneman, A	167, 168, 169, 170, 171 —10 shs ea	50	25 00
Knpus, Otto	172, 173, 174, 175, 176 —10 shs ea	50	25 00
Kressel, J	152, 153, 154, 155, 156—10 shs ea	50	25 00
Leisse, H	127, 128, 129, 130, 131—10 shs ea	50	25 00
Lewis, Oscar	189, 190, 191, 192, 193, 194, 195, 696, 197, 198—not bid	100	50 00
Lambert, R	157, 158, 159, 160, 161 —10 shs ea	50	25 00
Morrison, J C Jr	27...not issued	65	32 50
McNulty, C A	28, 29, 30, 32, 33—10 shs ea	50	25 00
McNulty, C A	39	5	2 50
Marshall, H	34	5	2 50
Maguire, Thomas	60	100	50 00
Master, F A	147, 148, 149, 150, 151—10 shs ea	50	25 00
Needen, Wm	176	10	5 00
Orear, D	62, 63, 64, 65, 66, 67, 68, 69, 70, 71 —10 shs ea	100	50 00
Ohmert, F W	112, 113, 114, 115, 116, 117, 118, 119, 120 —10 shs ea	90	45 00
Ploschke, Wm	92, 93, 94, 95, 96, 97, 98, 99, 100, 101 —10 shs ea	100	50 00
Stevens, W H	53	10	5 00
Stevens, W H	54	13	5 50
Shmidt, H	53	5	2 50
Schmidt, H G C	82, 83, 84, 85, 86, 87, 89, 90, 91 —10 shs ea	90	45 00
Schmittburg, H	142, 143, 144, 145, 146 —10 shs ea	50	25 00
Shafer, L	184	10	5 00
Uhrig, C A	16	25	12 50
Uhrig, C A	17	35	17 50
Uhrig, C A	18	5	2 50
Wollcb, E	41	5	2 50
Wollcb, E	42, 43, 44, 45, 46, 47—10 shs ea	60	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of April, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

C. H. HORTON, Secretary.

Office, No. 543 Clay street, Golden Era Buildlug, San Francisco. 24-4t

POSTPONEMENT.—The above Sale is posponed to Monday August 1st, 1864. By order of the Board of Trustees.

C. H. HORTON, Secretary.

San Francisco, Jnly 9th, 1864. 3-3t

Constitution Gold and Silver Mining Company, Lauder county, N. T. Office, No. 20, Exchange Building, cor. Washington and Montgomery streets, San Francisco, Cal., June 11th, 1864.

Notice is hereby given, that in accordance with the laws of the State of California, there will be sold at public auction, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on WEDNESDAY, July 13th, 1864, at 11 o'clock A. M., of that day, to the highest bidder, for cash, in U. S. gold coin, so many shares of the Capital Stock of the Constitution Gold and Silver Mining Company standing in the names of the following shareholders as will be necessary for the payment of the Assessments due thereon, together with the expenses of advertisement and sale, unless said Assessments with accruing charges are previously paid, to wit:

Names.	No. Asstn.	No. Shares.	Amt.
John Murphy	1 2 3	77	$79 00
Ceo Cattermole	1 2 3	240	244 50
Jas S Whitlon	1 2 3	164	163 00
W R Barnes	1 2 3	184	163 00
Wm Rose	1 2 3	248	244 50
John A Voatch	1 2 3	82	81 50
H A Wall	1 2 3	82	81 50
E S Davis	1 2 3	41	40 75
O A Palmer	3	102	51 75
E P Peckham	3	77	38 50
J S Kenaedy	3	82	41 00
Lyman Beecher	3	35	15 00
J B Crockett	3	82	41 00
P C Laader	3	82	41 00
Julius Schultz	3	3	1 50
H S Waldron	3	10	5 00

By order of the Board of Trustees.

24-4t JOS. C. FORD, Secretary.

The above sale is postponed until Saturday, July 23d, 1864, at the above time and place. By order of the Board of Trustees. (2-3t) JOS. C. FORD, Secretary.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, cornor Washington and Sansome streets, San Francisco.

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of July, 1864 an assessment of twenty cent per share was levied upon the capital stock of said company, payable on the 6th day of July, 1864, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 8th day of August, 1864, will be advertised on the 13th as delinquent, and unless payment shall be made before, will be sold on the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

JOHN J. SCOTCHLER, Secretary

Office, 204 Front Street, San Francisco, Cal.

July 6, 1864. 2-4t

Dane Gold and Silver Mining Company, Esmeralda.

Notice is hereby given, that at a meeting of the Board of Trustees of the Dane Gold and Silver Mining Company, held on the 6th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 8th day of August next, will be advertised on that day as delinquent, and unless payment be made before, will be sold on Saturday, August 20th, 1864, at 12 M., at the office of the company, to pay assessment, advertising, and expense of sale. By order of the Trustees.

EDWARD CONNER, Secretary.

Office, 607 Washington Street, July 9. 2-4t

Empire Gold and Silver Mining Company, Rock Spring District, San Bernardine County, California.

Notice.—There are delinquent, upon the following described stock, on account of Assessment levied on the 31st day of May 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	Certificate.	Shares.	Amount.
Allen, H F	17	70½	
do do	18	68	
do do	19	68	10 83
Anstin, F B	80	68	8 40
Bennett, E S	97	5	25
Bowerman, Daniel	133	5	25
Brufogle, W O	110	5	25
Cheney, Jas	65	16¾	
do do	70	20	
do do	78	10	
do do	74	10	
do dn	77	10	
do do	79	5	
do do	80	5	
do dn	81	5	
dn dn	82	5	4 33
Conrad, D	121	10	
do do	122	7¼	
do do	123	10	
do do	124	7¼	1 72
Chapin, G W	149	4 7-12	23
Carrie, G C	210	5	25
Downie, J J	154	5	
do do	199	8	
dn do	200	5	
do do	201	5	
do do	202	5	
do do	203	5	
do do	204	5	
do do	205	10	
do do	206	10	
do dn	207	10	8 65
Dickinson, J	159	1¾	6
Edgworth, P	168	5	25
Flint, W K	147	8⅔	43
Franklin, E	156	50	
do do	157	81¼	
do do	158	10	4 56
Groff, I D	134	5	25
Goldsworthy, I			
Hamilton, Chas	20	11⅔	
do dn	21	20	
do do	22	20	
do no	27	10	
do do	29	5	
du do	35	5	8 58
Hathaway, Chas	170	40	2 00
Harrington, Ceo	119	10	
do dn	110	10	80
Knowles, S H	1 & 2 ea 5	10	16 80
do do	45, 78, 0, 10 & 11 ea 10	70	
do do	12 & 18 ea 50	100	
do do	14	18⅔	9 33
Livermure, H G	34	216⅔	10 83
Mahan H W	209	10	50
Oliphant, H D	153	17¼	86
Rowley, I B	148	4	20
Sheun, J F	40	5	25
Schumacker, L	50	138⅔	5 93
N P Smith	87, 88, 89, 90, 93, 94, 111 ea 10	70	
do do	112 & 183 ea 10	20	4 50
Smith, I F	98	86⅔	4 33
Stone, S A Jr	115	10	50
Taylur, Jos	185	10	50
Taylor, Jnhn	118	25	1 75
Upham, J M	169	5	25
Whitlng, W J	92	50	2 50
Weed, H	110	6	80
Webster, F C	212	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, Room 8, No. 611 Clay st. San Francisco, on the 16th day of July, 1864, at 12 o'clock M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

O. BOWER, Secretary.

1 Office, 611 Clay street, San Francisco.

Enterprise Copper Mining Company, Empire Ledge, Garden Bar District, Placer County.

Notice is hereby given, that the office or principal place of business of the above Company will be removed on the 15th day of August next, to Lincoln, Placer County.

M. G. ELMORE, Secretary.

San Francisco, July 9th 1864. Office 621 Clay street. 2-4t

Eureka Mill and Mining Company, Big Creek District, Lander County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of July, 1864, an Assessment of Three Dollars and Fifteen Cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Monday, the 8th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees. N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco.

The advertisement of stock delinquent, on the above assessment, is postponed until August 13th, 1864, and the sale thereof is postponed until August 27th, 1864. By order of the Board of Trustees. (2 5t) N. DUPERU, Secretary.

Enterprise Copper Mining Company, Empire Ledge, Garden Bar District, Placer County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessments levied on the 20th day of September, 1863, and the 12th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

ASSESSMENT LEVIED SEPTEMBER 20TH, 1863.

Names.	No. Certificate.	No. Shares.	Amt.
Thomas Donahue	66	15	$1 50
John M. Cannon	53	25	2 50
John Cochran	52	25	2 50

ASSESSMENT LEVIED MARCH 12TH 1864.

Thomas Donahue	66	15	7 50
John M. Cannon	53	25	12 50
John Cochran	52	25	12 50
Alfred Bateman	5	100	bal 50 00
	75	25	12 50
Wm Harris	5	200	100 00
	56, 57, 58, 59, 60, 61, 62, 63, each 25 shares.	200	100 00
James P Dameron	40	100	50 00
J Daly	65	10	bal 4 00
G W Meloney	67, 69 ea 10 shs	20	bal 80
Boehler & Schwartz	90	34	bal 10 20
Abell & Evans	8, 9 ea 100 shs	200	bal 42 50
D Elsner	10	133	bal 26 60
J Krone	13	133	bal 39 90
V C Putnam	15	200	bal 40 00
E F White	32	100	
	33, 34, 35, 36 ea 26 shs	100	bal 50 00
P Robinson	37	100	
	38	50	
	39, 40, 41, 42 43, ea 10 shs	50	bal 50 00
Wm Davis	51	25	bal 10 00
J E Kitcnid	55	25	bal 10 00
E Livermore	87, 88 ea 50 shs	100	bal 4 00
M Berkowitz	89	50	bal 2 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 9th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 2-4t

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of June, 1864, an assessment of two ($2) dollars per share was levied upon the Capital Stock of said Company, payable on the 22d day of June, 1864, in United States Gold Coin, to the Secretary, at the office of the company, No. 708 Montgomery Street, in the City of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 6th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco.

Five per cent discount will be allowed to all persons paying their assessments on or before the 6th day of July, 1864. 26-4t

Fortune Mining Company, Mineral Springs District, Calaveras County, California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 18th day of June, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 3d day of August, 1864, to pay the delinquent assesment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. THOS. C. McCALLAN, Secretary.

Office, 622 Clay Street, San Francisco. 25-4t

Great Western Tunnel and Mining Company, Aurora, N. T.

Notice is hereby given that a Stockholders' Meeting of the above company will be held in this city, in the office of the Company, No. 20 Exchange building, corner Washington and Montgomery streets, on Saturday, August 6th, 1864, at 2 o'clock P. M. By order of the Board of Trustees.

JOSEPH C. FORD, Secretary.

San Francisco, July 1st, 1864. 1

Great Western Tunnel and Mining Company, Aurora, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 27th day of June, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. JOS. C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

There are delinquent, upon the following described Stock on account of assessment levied on the 2d day of June, 1864 the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Mary J Little	391	1	20
do do	392	1	20
do do	393	2	40
do do	394	2	40
do do	397	5	1 00
do do	398	5	1 00
do do	468	5	1 00
do do	469	5	1 00
do do	578	151½	30 24
Timothy P Riordda	223	5	1 00
do do	224	5	1 00
do do	225	5	1 00
J D Van Devort	68	2	40
do do	69	20	4 00
do do	70	20	4 00
do do	71	20	4 00
do do	72	10	2 00
do do	73	10	2 00
do do	74	10	2 00
do do	75	5	1 00
do do	76	5	1 00
do do	77	5	1 00
do do	78	5	1 00
do dn	79	100	21 00
do do	80	98 2-5	19 68
do do	545	61 2-5	12 08
do do	546	20	4 00
do do	547	20	4 00
do do	548	20	4 00
do do	654	5	1 00
do do	555	5	1 00
Martin Kelloy	486	50	10 00
do do	537	20	4 05
do do	538	23	4 60
Anthony Huck	406	3	60
John H Bell	410	5	1 00
George Roland	411	2	40
Alice Devine	437	2	40
Charles F Hayward	35	5	1 00
do do	36	5	1 00
do do	39	5	1 00
do do	40	5	1 00
do do	41	5	1 00
do do	42	5	1 00
do do	47	10	2 00
do do	50	10	2 00
Wallace Everson	64	100	20 00
John Landers	101	50	10 00
do do	102	50	10 00
do do	104	20	4 00
P S Venard	332	5	1 00
James Herren	496	50	10 00
do do	532	25	5 00
do do	533	25	5 00
S P Taylor	200	2	40
do do	202	2	40
do do	203	2	40
do do	204	2	40
do do	205	2	40
do do	206	2	40
do do	207	2	40
do do	208	2	40
do do	210	2	40
do do	214	2	40
do do	217	2	40
do do	218	2	40
do do	306	10	2 00
do do	307	10	2 00
do do	308	10	2 00
do do	311	10	2 00
do do	312	10	2 00
do do	313	10	2 00
du do	314	10	2 00
do do	329	25	5 00
William Greesea	440	3	60
John Phillips	445	3 2-5	63
James Denlii	453	1	20
John Bolger	455	1¼	30
Thomas Rim	456	1½	30
Henry Terry	465	5	1 00
John K Moore	556	20	4 00
do do	557	20	4 00
do do	558	10	2 00
do do	559	10	2 00
do do	560	5	1 00
F W Petersen	230	1	20
do do	242	2	40
do do	246	2	40
do do	247	3	60
John D Kersey	467	10	2 00
John A Lay	478	10	2 00
do do	479	10	2 00
do do	480	20	4 00
do do	481	10	2 00
do do	482	20	4 00
do do	483	10	2 00
do do	484	40	8 00
Thomas Soloman	505	5	1 00
do do	506	10	2 00
do do	507	10	2 00
do do	509	5	1 00
A G Turner	508	10	2 00
H E Wheaton	539	10	2 00
do do	540	15	3 00
do do	541	20	4 00
do do	542	5	1 00
do do	543	5 1-5	1 05
Lydia E Balcom	550	20	4 00
W A Sublett	551	5	1 00
C W M Johnson	552	5	1 00
Joseph Shelley	553	5	1 00
John S Newton	554	5	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Messrs. Jerome Rice & Co., 327 Montgomery street, San Francisco, on Monday the 18th day of July, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEORGE W. GILDERSLEEVE, Secretary.

Office, 302 Montgomery street. 1t

Imperial Gold and Silver Mining Company, Location, San Francisco District, A. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the above named company, there will be sold at public auction, at the office of the company, No. 410, Montgomery street, San Francisco, on Tuesday, the 2d day of August, 1864, at 2 o'clock P. M., to the highest bidder for Cash in United States Gold Coin, so many shares of the Capital stock of said Company, standing in the names of the following persons, as will be necessary to pay the assessment now due and delinquent thereon, together with all costs accruing for advertising sale, etc.

Assessment No. 1 of 50 cents per share, Levied March 17, 1864.

Names.	No. Certificate.	No. Shares.	Amount.
John Chapman	8	15	$7 50
John Chapman	10	10	5 00
John Chapman	11	10	5 00
John Chapman	12	25	12 50
John Chapman	13	25	12 50
John Chapman	14	25	12 50
John Chapman	33	25	12 50
John Chapman	34	5	2 50
John Chapman	35	5	2 50
John Chapman	47	50	25 00
John Chapman	48	50	25 00
John Chapman	55	5	2 50
John Chapman	56	5	2 50
John Chapman	57	5	2 50
John Chapman	58	5	2 50
John Chapman	70	5	2 50
John Chapman	71	5	2 50
John Chapman	72	50	25 00
John Chapman	73	50	25 00
John Chapman	74	50	25 00
John Chapman	75	50	25 00
John Chapman	76	25	12 50
John Chapman	77	25	12 50
John Chapman	78	25	12 50
John Chapman	79	25	12 50
John Chapman	80	10	5 00
John Chapman	81	10	5 00
John Chapman	82	10	5 00
John Chapman	83	10	5 00
John Chapman	84	50	25 00
John Chapman	86	20	10 00
John Chapman	87	20	10 00
John Chapman	88	20	10 00
John Chapman	89	20	10 00
John Chapman	90	20	10 00
John Chapman	95	50	25 00
John Chapman	90	50	25 00
Rodney Clark	107	500	250 00
Rodney Clark	108	340	170 00
Charles A Hutel	17	50	25 00
Charles A Hutel	18	50	25 00
Charles A Hutel	19	50	25 00
Charles A Hutel	20	50	25 00
Charles A Hutel	21	50	25 00
Charles A Hutel	22	50	25 00
Horace Little	52	50	25 00
Horace Little	53	50	25 00
Horace Little	54	50	25 00
Horace Little	55	50	25 00
Horace Little	50	50	25 00
Horace Little	57	50	25 00
James Rea	63	50	25 00
M M Johnson	28	10	5 00
P Ford	30	25	12 50
M Parker	32	25	12 50
L Teese Jr	106	5	2 50
J T Godfrey	123	5	2 50
A E Tiffany, stock not issued		300	150 00

L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street, Room No. 5. 2-4t

Kelsey Gold and Silver Mining Company, El Dorado County. Office 605 Sacramento street, San Francisco, June 17th, 1864.

The public are cautioned against purchasing stock in this company standing in the names of the following persons, as the same has been sold for delinquent assessments, and cancelled upon the books of the company, viz:

Ole Bergson	J. Ford
A Falk	Andrew Wilson
Sophia Steiger	Jane James
A. E. Shannon	Susan Sweetzer
Joseph Whittle	W. Van Housen
C. B. Killoy	Henry E. Brooks
L. Blum	R. D. Scodeld
B. F. Butler	G. Isrnel
C. J. West	E. Mnitro
F. W. Buch	E. Cleaves
A. de Castilla	John C. Hall
C. P. Williams	B. Slocumb

S. C. GARDNER,

25-4t Secretary Kelscy O. & S. M. Co.

Kate Lamar Gold and Silver Mining Company,
Reese River District, Lander Co. N. T.

There are delinquent upon the following described stock, on account of assessment number one, levied November 17, 1863, and assessment number two, levied March 21st, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
John Ridgeway,	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 13, 14,	111½	$74 00
William Terry,	15, 16, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,	108½	54 35
Geo. L. Hendricks,	56	8¾	4 38
G S Johnson,	61	10	5 00
A Hartman, Sr.	93	10	5 00
Elizabeth Hartman.	78	5	2 50
Michael Widrow, 79, 80, 81, 82		87½	43 75
Robert Hutchinson,	not issued	10	10 00
W W Hartman,	not issued	40⅝	40 63
John McBrown,	not issued	43½	43 75
H H Pearson.	not issued	21⅝	21 88

And in accordance with law and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the the company, No. 26, Montgomery Block, in the city of San Francisco, on the 6th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessments thereon, together with the costs of advertising and expenses of sale.

F. G. APPLETON, Secretary.

Office, No. 26 Montgomery Block. 1-4t

La Libertad Gold and Silver Mining Company,
Cachachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 7th day of June, 1864, an assessment of twenty-five cents per share, was levied upon the Capital Stock of said company, payable on the 8th day of June, 1864, in United States Gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 8th day of August, 1864, to pay the delinquent assessment and costs of advertising and expenses of sale. By order of the board of Trustees.

WILLIAM VALE, Secretary.

Office, 55 & 56 Exchange Building, San Francisco, Cal. 26-4t

Lord Byron Gold and Silver Mining Company
Devil's Gate District, N. T.

Notice.—The Annual meeting of the Stockholders of the Lord Byron Gold and Silver Mining Company, for the election of Trustees and transaction of other business, will be held at the office of the Secretary, No 620 Washington street. Room 3, San Francisco, on Wednesday, July 20th, 1864, at 7½ o'clock P. M. H. B. CONODON.

25-4t Secretary.

Lady Adams Gold and Silver Mining Company.

Gertrude Gold and Silver Mining Company.

Peaalce & Sparks Gold and Silver Mining Company. Location, Reeso River District, Lander county, Nevada Territory.

Notice.—There is delinquent upon the following described stock on account of assessments levied on the 28th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

LADY ADAMS GOLD AND SILVER MINING COMPANY.

Names.	Certificate,	Shares.	Amount
Barnes, Thos	cer 6	10	$2 00
Burton, A P	cer 116 117 Shares 5 5	10	2 00
Brown, L A	cer 129	5	1 00
Beunett, Nathaniel	cer 145	10	2 00
Blok, J N	cer 183 211 shs 25 10	35	7 00
Banian, Martin	cer 193	10	2 00
Bohn, Daniel	cer 232	5	1 00
Bradford, C H	cer 245 245 shs 5 5	10	2 00
Brand, Ernest G	cer 380	10	2 00
Camphell, H C	cer 127	10	2 00
Cohn, H	cer 230	5	1 00
Cornwall, P B	cer 83 87 88 220 shs 10 10 10 20	50	10 00
Eckley, G R	cer 122	5	1 00
Earll, Delia	cer 187 188 shs 5 5	10	2 00
Ehner, Gottfried	cer 190	5	1 00
Ellis, Mrs H M	cer 209	20	4 00
Flagan, Catharine	cer 217	5	1 00
Galman, S	cer 385	5	1 00
Grimbaum, M S	cer 227	5	1 00
Gebhard, Fredk	cer 363	5	1 00
Hill, R T	cer 5 134 396 shs 10 25	45	9 00
Hoffman, Charles	cer 64 65 70 74 shs 25 10 5 5	45	9 00
Harris, Henry	cer 372	5	1 00
Kipp, Iguats	cer 29 252 364 376 shs 10 10 5 5	30	6 00
Klopstock, C	cer 149 150 151 152 shs 25 10 10 5	50	10 00
Lonch, Orlande	cer 133	5	1 00
Levau, C	cer 189	10	2 00
Luning, N	cer 245	10	2 00
Levison, Bertha	cer 367	5	1 00
Milliken, J F	cer 168 169 shs 23 2	25	5 00
Mitgu, Geo	cer 208	5	1 00
Long, Thomas	cer 378	10	2 00
McCormick, Salin J	cer 226	5	1 00
Manheim, Estelle	cer 250	10	2 00
Mundigi, Joseph	cer 366	5	1 00
Merklo, Charles	cer 381	5	1 00
Nolden, William	cer 177 178 shs 10 10	20	4 00
Newhauer, Greenhood	cer 227	5	1 00
Polk, R T	cer 238	10	2 00
Perry, Samuel R	cer 154	10	2 00
Perkins, W L	241	200	10 00
Phillip, R	cer 203	10	2 00
Ramsey, L W	cer 247 248 255 256 shs 10 10 25 5	50	10 00
Redlrih, S	cer 370	5	1 00
Smith, A K P	cer 135 159 shs 50 8	58	11 60
Stowart, H James	cer 273	5	1 00
Thompson, T H	cer 148 160 161 shs 10 5 5	20	11 00
Taugard & Co	cer 225	10	2 00
Trenor, Eustace	cer 242	0	1 80
Whitney, Jr J	cer 1 2 3 204 shs 10 10 20 10	50	4 00 10 00
Watson, W C	cer 173	25	5 00
Warner, W C	cer 162 163 104 165 shs 10 10 10 10		
Warner, Wm C	cer 106 167 shs 5 5	50	10 00
Warschaun, A	cer 181	10	2 00
Wentworth, D	cer 186	5	1 00
Woodhury, C E	cer 195	5	1 00
White, Joseph	cer 197	10	2 00
Watson, N A	cer 206	5	1 00
De Woolf, S A	cer 219	5	1 00
Wade, J P	cer 222 234 shs 5 5	10	2 00
Williams, J B	cer 240	10	2 00
Wood, Geo	cer 246	5	1 00
Wilson, W	cer 371 374 shs 5 10	15	3 00
Yates, W H	cer 210	5	1 00

GERTRUDE GOLD, AND SILVER, MINING COMPANY.

		Shares.	Amount.
Barclay, Geo R	cer 7 8 shs 25 25	50	12 50
Bernis, Chas E	cer 89	12	3 00
Cameron, Salton	cer 24 25 26 27 shs 50 25 15 10		
Cameron, Salton	cer 28 29 30 31 shs 10 9 8 7		
Cameron, Salton	cer 22 33 34 shs 6 5 5	150	37 00
Cosgrove, P C	cer 93	7	1 75
Drummond, R A	cer 35 36 37 39 shs 50 25 15 10		
Drummond, R A	cer 40 41 42 43 shs 9 8 7 6		
Drummond, R A	cer 44 45 shs 6 5	140	35 00
Goodwin, Chas	cer 13 14 15 10 shs 50 15 10 10		
Goodwiu, Chas	cer 17 18 19 20 shs 5 5 8 7		
Goodwin, Chas	cer 21 25 shs 5 5	150	37 00
Hill, Richard	cer 91 92 shs 5 5	10	2 50
Kentfield, Geo	cer 92	25	0 25
Learned, A S	cer 71 72 73 74 shs 50 25 15 10		
Learned, A S	cer 75 76 77 79 81 shs 10 9 8 6 5	138	34 00
Loney, Geo	cer 57 58 59 60 shs 25 10 10 5		
M'Cloud, Neil	cer 46 47 48 49 shs 50 25 15 10		
M'Cloud, Neil	cer 50 51 52 53 shs 10 9 8 7		
M'Cloud Neil	cer 54 55 56 shs 5 5 5	150	37 00
Miller, W J	cer 9 10 11 12 shs 25 10 10 5	50	12 50
Milliken, J T	cer 90	5	1 25
Pond, A A	cer 94	10	2 00
Smith, W A	cer 83 84 85 86 shs 25 10 10 5	50	12 00
Thompson, T H	cer 61 62 63 64 65 shs 25 15 10 10 9		
Thompson, T H	cer 66 68 69 70 shs 8 6 5 5	93	23 25
Warner, S M	cer 3	5	1 25

PEASLEE AND SPARKS, GOLD AND SILVER MINING COMPANY,

		Shares.	Amount.
Bivins, Alex	cer 44	20	5 00
Bourne, W A	cer 26 27 28 29 30 shs 100 50 20 10 8	198	49 50
Creigh, S W	cer 4 5 shs 20 17½	37½	9 37
Copen, E E	cer 16 26 31 37 43 shs 12 12 12 12 12	50	15 00
Groves, Dock	cer 32 33 34 35 36 shs 100 50 20 20 8	198	49 50
Hill, R T	cer 12	10	2 50
Greemvell, J W	cer 17 18 45 46 47 shs 30 13 10 10 10	73	18 25
Norris, Jas C	cer 6	20	5 00
Noyes, E S	cer 1 9 10 shs 20 10 7½	37½	9 37
Peaslee, John	cer 38 39 40 41 42 shs 100 50 20 20 8	198	49 50
Reed, Wm H	cer 15	60	15 00
Smith, Wm A	shs 3	10	2 50
Sparks, L K	cer 20 21 22 23 24 shs 100 50 20 20 8	198	49 50

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company No. 305 Montgomery Street, on the 16th day of July, 1864, at 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. F. HUGHES, Secretary.

Office, No. 6 Mead House, 305 Montgomery Street, San Francisco. 1

La Marronena Silver Mining Company.—Trinity District, Lower California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 10th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J M Kaull	3, 159	33 18 22	$169 09
J H Welch	4, 166	24 8 22	121 81
A H Phelps	5	3 2-22	15 46
J W Sargeant	8	27 6-22	136 38
Timothy Sargeant	9	13 14-22	68 22
J J Todd	11, 168	23 14 22	143 22
C A Purrinton	12	13 14-22	68 22
W P Peck	72	6 18-22	34 10
G W Botts	83	6 18-22	34 10
R C Jacobs	123, 124, 131	28	140 00
Chas J McDougall	22	7 8 22	36 84
C McDougall	23	20 10 22	102 30
D W Voorhies	24	5 16-22	28 68
F G Norman	167	11 14-22	58 22
J D Thompson	28	20 10-22	102 30
Miss M A Phillips	157	21 6 22	106 55
B A Bidlack	33	13 14-22	68 22
Miss Eliza Taylor	34	6 18 22	34 10
Edson Sammis	68	10 16 22	98 68
Mrs Chas E Brownell	154	5 14-22	28 22
Jas F Dorland	39	6 18-22	34 10
L C Grey	105, 106	4 16 22	23 65
J Frank Philips	111, 112, 113, 114, 115, 116, 117	15	75 00
John Bach	128	2	10 00
H G Phillips	163	4	20 00
Thos J Haynes	139	18	90 00
H W Snow	148	1	5 00
James Carroll	153	3	15 00
Samuel Adams	156	2	10 00
P G Sparks	130	1	5 00
H K Curtiss	158	3	15 00
H O Howard	161	5	25 00
Ellen M Burns	180	3	15 00
Mrs P J Adams	150	3	15 00
Wm F A Brenenstuhl	190, 192	7	35 00
O F Tibbetts	14	6 18-22	34 10
John Todd	41, 00	6 14-22	33 22
David Ross	42	7 20 22	39 55
Susan E Thorne	44	8 4-22	40 90
A R Wheat	40	13 14 22	68 22
D S Lord	48, 188, 189	34 1-22	170 22
A J Ralston	49	6 3-22	30 69
Geo A Moore	51, 56	2 21-22	14 77
Maria O'Brien	52	2 10-22	12 28
E S Cressy	53	6 4 22	30 90
Edgar Wakeman	64	6 18-22	34 10
E G Mathews	60, 70, 162	5 6-22	31 37
Mrs M H Phillips	120, 191	10 11-22	52 50
S C Peck	72	3 9-22	17 05
H J Tilden	73	3 9-22	17 05
Wm Crocker	87	6 18-22	34 10
E B Gifford	95	7	35 00
Rosanna Quinn	97	3 2 22	15 44
James Delany	98	3	15 00
Chester Sabin	100	4 1-2	22 60

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on SATURDAY the 23d day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

2 Office, of the Company 411 Clay St., San Francisco.

Mount Eden Mining Company—Owen Ledge—Gold Hill District, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Albin L	11	10	$5 00
Adrianson F C	1	5	2 50
Bauer A J	23	10	5 00
Baner A J	24	10	5 00
Baner A J	25	5	2 50
Bakrer S	74	20	10 00
Chisholm John	105	10	5 00
Chisholm John	121	5	2 50
Caldwell Wm B	136	20	10 00
Caldwell Wm B	137	20	10 00
Caldwell Wm B	138	10	5 00
Dockmn Jas A	131	10	6 00
Grier John W	128	10	6 00
Harmon John B	79	10	5 00
King Lewis C	95	6	2 50
King John L	96	6	2 50
King on Arthur	120	20	10 00
Maige P	46	10	5 00
Maige P	47	10	5 00
Maige P	48	6	2 50
Payot Henry	6	10	5 00
Payot Henry	7	15	7 50
Rutenberg J H	12	10	5 00
Rutenberg J H	13	10	5 00
Rieard A	17	10	5 00
Shiman J L	133	10	5 00
Victor F	33	10	6 00
Wood S Heber	90	5	2 50
Libby J G and L W Carr, not issued		250	125 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of John Middleton & Sons, No. 400 Montgomery street, San Francisco, on Monday, the 25th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

H. B. CONGDON, Secretary.

Office, No. 620 Washington street, (Room 3) San Francisco. 2-3t

Moonlight Gold and Silver Mining Company,
Indian District, Humboldt County, Nevada Territory.

At a meeting of the Trustees of the above named Company, held November 4th, 1863, an assessment of one dollar was levied upon each and every share of the Capital Stock thereof, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco. Said assessment must be paid on or before the 20th day of July, 1864, as all stock delinquent on that date will be advertised and sold in accordance with law. By order of the Board of Trustees. (26-4t) LAWRENCE C. OWEN, Secretary.

McDermott Gold and Silver Mining Company.
Devil's Gate District, Lyon County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an Assessment of One Dollar per share was levied upon the Capital Stock of said Company, payable on the 21st day of July, 1864, in United States gold coin, to the Secretary, or to Thomas McNamara, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the tenth day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees. GEO. A. BALL, Secretary.

Office, 509 Clay Street, San Francisco. 26-4t

Moscow Gold and Silver Mining Company, Esmeralda.

Notice is hereby given that a meeting of the Stockholders of the Moscow Gold and Silver Mining Company will take place on Monday, August first, 1864, at 4 o'clock P M. All shareholders are requested to be present as business of importance will be brought before the Company. By order of Trustees. GEO. STURTEVANT, Secretary.

1-5t Office, 608 Montgomery street.

Olympic Gold and Silver Mining Company, Big Creek District, Lander county, N. T.

Notice is hereby given that in accordance with the laws of the state of California, and an order duly made by the Board of Trustees of said company, there will be sold at public auction, to the highest bidder for cash, in U. S. Gold coin, at the office of the company, No, 1 & 2 Government House, corner of Washington and Sansome streets, San Francisco, on Monday, July 18th, 1864, at 11 o'clock, A. M., so many shares of the capital stock of said company standing in the names of the following named shareholders as will be necessary for the payment of assessment No. 2, for ten cents per share levied July 25th, 1863. Assessment No. 3, for 20 cents per share, levied Sept. 21st, 1863. Assessment No. 4, for 50 cents per share, levied Nov. 19th, 1863, together with expenses of advertising and all other expenses of sale.

Names.	No. of Shares.	Ass't. No. 2 of 10c	Ass't. No. 3 of 20c	Ass't No. 4 of 50c
Anderson, W N	20	$—	$—	$10 00
Baker, H W	5	—	—	2 50
Greely, O F	25	—	3 00	—
Gray, John	25	—	—	8 00
Pinkham, J F	10	—	2 00	—
Rogers, W H	100	3 50	—	10 00
Shorwood, Benj	10	—	2 00	—
Ulrig, C A	36	—	—	18 00
Vosburg, J N	10	—	—	5 00
Wells, Cyrus	25	—	—	12 50

25-4t M. A. WHEELER, Secretary.

Point Arena Petroleum Mining Company.

The Stockholders of the Point Arena Petroleum Mining Company are hereby notified that, by order of the Board of Trustees, there will be a meeting of the Company held at the Secretary's office, Room 28 Government House, corner Sansome and Washington streets, San Francisco, on the ninth day of August, 1864, at 7½ o'clock, P. M. A full representation of stock is requested, as important business is to be transacted. Attest, D. S. CUTTER, Secretary.

San Francisco, Cal. July 7th, 1864. 2-5t

Prima Donna Gold and Silver Mining Company.—Location, Devil's Gate District, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an Assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable on the 24th day of June, 1864, in United States Gold Coin, to the Secretary, or to Franklin Morgan, at Silver City.

Any stock upon which said assessment shall remain unpaid on Saturday the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 15th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of sale. By order of the Board of Trustees. H. B. CONGDON, Secretary.

Office, No. 620 Washington Street, (Room 3) San Francisco. 26-5t

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 1

Quartz Hill Gold Mining Company, Placerville, El Dorado County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, an Assessment of ten cents per share, was levied upon the assessable Capital Stock of said Company, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said Assessments shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. J. P. VAN HAGAN, Secty.

Office, Rooms 7 & 8, 3d floor, No. 302 Montgomery street San Francisco. 26-4t

Rubicon Gold & Silver Mining Company, No. 1.
Rubicon Gold & Silver Mining Company, No. 2.
Rubicon Gold & Silver Mining Company, No. 3.
Rubicon Gold & Silver Mining Company, No. 4.
Keys District, Mono County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 21st day of June, 1864, an Assessment of ten cents per share, was levied upon the assessable Capital Stock of said Companies, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said Assessments shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. J. P. VAN HAGAN, Secty.

Office, Rooms 7 & 8, 3d floor, No. 302 Montgomery street San Francisco. 26-4t

Secly Gold and Silver Mining Company
Big Creek District, Lander county, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of said Company, there will be sold at public auction to the highest bidder for cash, in U. S. Gold Coin, at the office of the Company, No. 1 & 2 Government House, corner of Washington & Sansome streets, San Francisco, on Monday, July 18th, 1864, at 11 o'clock, A. M. so many shares of the Capital stock of said Company standing in the names of the following named shareholders as will be necessary for the payment of Assessment No 2, for 25 cts. per share levied Oct. 1st, 1863. Assessment No. 3 for 25 cents per share, levied Nov. 21st, 1863. Assessment No. 4, for 50 cents per share, levied Feb. 9th, 1864, together with expenses of advertising and all other expenses of sale.

Names.	No. of Shares.	Ass't. 2 of 25c.	Ass't. 3 of 25c.	Ass't. 4 of 50c
Anderson, J M	5	—	—	$2 50
Calhoun, A	87½	—	—	43 75
Capron, John S	25	$6 25	$6 25	12 50
Condec, G M	10	—	—	5 00
Dwarakowsky, Count	43½	—	10 87	21 75
Gray, John	25	6 25	6 25	12 50
Greely, O F	10	—	—	5 00
Greely, S	5	—	—	2 50
Hulburd, H S	20	—	—	10 00
Hall, J J	100	—	—	50 00
Parker E	120	—	2 50	60 00
Perkins, J L	40	—	—	20 00
Rogers, Wm H	110	(not issued)	—	55 00
Seely, G F	90	22 50	22 50	45 00
Squires, Ogden	170	42 50	42 50	85 00
Turner, Geo R	44	11 00	11 00	22 00
Uhrig, C A	15	3 75	3 75	7 50
Veatch, Dr J A	80	20 00	20 00	40 00
Wells, Cyrus	25	—	6 25	12 50

25-4t HENRY S. BROOKS, Secretary.

Sierra Madre Gold and Silver Mining Company, Spring District, San Bernardino county, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective share holders, as follows:

Names.	Certificate.	Shares.	Amount.
Allen, H T	18	70	
do	19	68	
do	20	68	10 30
Anstin, F B	183	8	
do	184	25	
do	185 & 187 ea 10	20	2 65
Ashley, S J	222	6¾	83
E S Bennett	95	5	25
Brown, Samuel	182	5	25
Bloomer, T	224	10	50
Baldwin, M M	230 & 231 ea 5	10	50
Cheeney, J	64	16¾	
do	68 & 69 ea 20	40	
do	70 & 76 ea 10	20	
do	79 & 82 ea 5	10	6 70
Conrad, D	117 & 119 ea 10	20	
do	118 & 120 ea 7½	14½	1 73
Chapin, G W	142	4 7-12	23
Corwin, J R	210	10	50
Downie, J J	211 & 212 ea 5	10	
do	213	8	
do	214	20	
do	215, 216, 217, 218 ea 10	40	
Edgeworth, P	170	5	25
Flint, W K	140	8¾	43
Hamilton, Chas	23	20	
do	27, 28 & 29 ea 10	30	
do	30, 31, 32 & 35 ea 5	20	3 50
Hathaway, Chas	172	40	2 00
Harrington, Geo	105	10	50
Knowles, S H	1 & 2 ea 5	10	
do	3, 4, 5, 6, 7, 8, 10 ea 10	70	
do	12 & 13 ea 50	100	
do	14	16¾	9 83
Livermore, H G	35	216¾	10 83
Mahan, H W	220	10	50
Oliphant, H D	146	17¾	86
Oakes, Jno	222	5	25
Riddell, G W	221	5	25
Smith, W P	16, 86, 88, 89, 92, 93, 109, 110 & 111 ea 10	90	
do	148	6¾	
do	149, 150, 151, 152, 153, 154, 155, 156, 157 ea 5	45	
do	158, 159, 160, 194 ea 10	40	9 08
Smith, J F	94	78¾	3 93
Stone, S A Jr	147	10	50
Taylor, Jos	200 & 201 ea 5	10	50
Taylor, Jno	112	25	1 25
Upham, J M	171	5	25
Whiting, W J	91	50	2 50
Webster, F E	226	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of Mny, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, Room 8, 611 Clay street, San Francisco, on the 16th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. O. BOWER, Secretary.

1 Office, No. 611 Clay street, San Francisco.

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

A Good Canvassing Agent Wanted at this Office, immediately, for the interior. None but an active business man with good references, need apply.

Mr. Jarvis Jewett is our duly authorized advertising agent and collector in this city.

Sierra Consolidated Gold and Silver Mining Company.—Location of Works in Sierra County, Cal.

Notice.—There are delinquent, upon the following described stock, on account of assessment levied on the 23d day of May, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Cert.	No. Shares.	Amt.
Barrett, F A	752	10	$ 2 50
Barrett, F A	1995	10	2 50
Barrett, F A	1096	9	2 25
Brownlee, John	854	1	25
Brenham, C J	933	33	8 25
Byrne, H H	969	10	2 50
Betancen, Joseph	996	20	5 00
Baby, F R	1055	50	12 50
Baby, F R	188	50	12 50
Baby, F R	180	50	12 50
Daby, F R	190	50	12 50
Baby, F A	191	50	12 50
Baby, F A	1054	50	12 50
Barnett, Harry	25	5	1 25
Bohm, Wm	341	5	1 25
Burdeck, B F	497	5	1 25
Burdeck, B F	499	5	1 25
Burdeck, B F	610	10	2 50
Barbadoes, F G	1170	10	2 50
Bibbins, T L	1100	25	6 25
Chinn, George	19	5	1 25
Chinn, Emma	23	5	1 25
Cunningham, David	529	10	2 05
Cory, S W	441	100	25 00
Cory, S W	444	100	25 00
Cory, S W	445	100	25 00
Cory, S W	1105	10	2 50
Cory, S W	1120	50	12 50
Cory, S W	1115	25	6 25
Compes, H	1196	5	1 25
Chase, Q A	309	100	25 00
Crowley, Johanna	782	20	5 00
Corcoran, Wm	979	10	2 50
Corcoran, Wm	1050	30	7 50
Cashman, Wm	1034	30	7 50
Chase, H A	1010	5	1 25
Daily, James	237	127	31 75
Daily, James	238	20	5 00
Daily, James	676	18	4 50
Dean, A M	272	25	6 25
Dean, Benjamin	273	25	6 25
Dean, Benjamin	868	50	12 50
Donnelly, John	863	10	2 50
Dermoody, James	959	17	4 25
Dermoody, James	964	13	3 25
Durkin Edward	974	1000	250 00
Drumm Thomas	1062	50	12 50
Drumm, Thomas	1065	25	6 25
Drumm, Thomas	1067	25	6 25
Drumm, Thomas	1077	50	12 50
Garategny, Marie	342	20	5 00
Gilhooly, Thos	681	20	5 00
Green, F P	709	50	12 50
Green, F P	710	10	2 50
Green, F P	769	20	5 00
Gleason, W B	1061	10	2 50
Gleason, W D	1063	45	11 25
Gilman, A M	1066	10	2 50
Hawkins, Arthur	1	233	58 25
Hawkins, Arthur	2	234	58 50
Hawkins, Arthur	3	200	50 00
Hawkins, Arthur	4	11	2 75
Hawkins, Arthur	5	10	2 50
Hawkins, Arthur	6	10	2 50
Hawkins, Arthur	7	2	50
Hawkins, James	10	20	5 00
Hawkins, James	12	20	5 00
Hawkins, James	15	89	22 25
Hawkins, James	763	50	12 50
Hawkins, Wm	224	7	1 75
Hawkins, Wm	505	5	1 25
Hawkins, Wm	225	10	2 50
Hawkins, Wm	226	20	5 00
Hawkins, Wm	228	184	46 00
Hawkins, Wm	780	10	2 50
Hawkins, Michel	241	20	5 00
Hawkins, Michel	242	20	5 00
Hawkins, Michel	521	120	30 00
Hitchcock, W F	562	5	1 25
Hitchcock, W F	568	20	5 00
Hitchcock, W F	569	20	5 00
Hitchcock, W F	1078	4	1 00
Hitchcock, W F	1167	25	6 25
Hotaling, Mrs A P	895	20	5 00
Higgins, Mark W	913	100	25 00
Higgins, Mark W	914	50	12 50
Higgins, Mark W	915	10	2 50
Higgins, Mark W	916	100	25 00
Hawley Chas A	950	25	6 25
Jones, J W	477	5	1 25
Jackson, Otis	807	25	6 25
Journe, J Mario	980	25	6 25
Journe, J Marie	488	25	6 25
Janes, J L	089	5	1 25
Kellogg, C W	672	700	175 00
Kuhne, Arnold	843	10	2 50
Kelly, Thomas	1051	10	2 50
Kelton, S B	1080	25	6 25
Kelton, S B	1081	25	6 25
Linen, Jamea	755	50	12 50
Linen, James	750	60	12 50
Linen, Jamea	757	25	12 50
Linen, Jamea	758	25	12 50
Linen, Jamea	890	80	20 00
Levy, A	688	10	2 50
Lowenstein, J	806	10	2 50
Lay, John	855	1	25
Molineaux, Henry	795	100	25 00
McGovern, P	486	100	25 00
McGovern, P	487	100	25 00
McGovern, P	722	50	12 50
McGovern, P	723	15	3 75
McGovern, P	803	60	15 00
McGovern, P	889	100	25 00
McGovern, P	931	200	50 00
McGovern, P	087	250	62 50
McGinlay, R	545	5	1 25
McElroy, James	702	10	2 50
McElroy, James	893	20	5 00
McElroy, Jamea	1161	20	5 00
McNally, L	764	30	7 50
Murray, Mrs M	900	25	6 25
Murray Mrs M	938	13	3 25
McCarthy, James	1053	13	3 25
McPyke, Barnard	750	20	5 00
Pearson, Wm	613	5	1 25
Pearson, E A	718	5	1 25
Pearson, Edward	719	90	22 50
Pearson, Edward	718	50	12 50
Pearson, Isabella	1098	50	12 50
Peck, E T	767	10	2 50
Peck, E T	778	20	5 00
Pink, H	772	10	2 50
Osborne, G W	905	10	2 50
Owens, J J	1173	50	12 50
Ramsey, J D	601	20	5 00
Ramsey, J D	502	5	1 25
Riley Cornelius	892	5	1 25
Sears, J F	1157	10	2 50
Smith, James	1162	150	37 50
Sims, Charles	944	5	1 25
Sydow, D J	1023	50	12 50
Sydow, D J	1024	50	12 50
Sydow, D J	1025	25	6 25
Sydow, D J	1026	20	5 00
Sydow, D J	1027	10	2 50
Standish, Sarah	1068	12	3 00
Smith, Mrs M J	475	50	12 50
Stewart, I R	766	10	2 50
Stokes, J C	18	25	12 50
Stokes, Mary A	30	30	7 50
Stokes, W G	42	25	6 25
Stokes, W G	43	25	6 25
Stokes, W G	44	25	6 25
Stokes, W C	45	10	2 50
Stokes, W C	46	10	2 50
Stokes, W C	48	10	2 50
Stokes, W C	40	10	2 50
Stokes, W C	51	10	2 50
Stokes, W G	56	20	5 00
Stokes, W C	58	20	5 00
Stokes, W C	59	20	5 00
Stokes, W C	983	3	75
Stokes, W C	000	5	1 25
Servolle, Placide	345	5	1 25
Tobin, M E	014	20	5 00
Todd John	856	50	12 50
Tornug, T A	872	5	1 25
Torning, Mrs, E	975	50	12 50
Torning, Mrs E	999	20	5 00
Taylor, Laura A	1164	110	27 50
Thurhur, A,	1040	2	50
Walsh, S T	221	20	5 00
Walsh, S T	222	10	2 50
Walsh, S T	223	10	2 50
Walsh, S T	970	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at auction, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock, M., to pay said delinquent Assessments thereon, together with costs of advertising and expenses of sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. 26-4t

POSTPONEMENT.—The above sale is postponed to Monday, the 18th day of July, 1864, at the same hour and place. By order of the Board of Trustees,

T. L. BIBBINS, Secretary.

San Francisco Gold and Silver Mining Co.

Rock Spring District, San Bernardino County, California

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows, being five cents per share:

Names.	Certificate.	Shares.	Amount.
Allen, H T	17	70⅔	
do	18	68	
do	19	68	10 33
Austin, F B	181	8	
do	182	25	
do	183	10	
do	184	10	
do	185	10	3 15
Burnett, E S	95	5	25
Brown, Samuel	180	5	25
Cheney, Jas	63	16⅔	
do	66	20	
do	67	20	
do	69	10	
do	74	10	
do	78	5	
do	80	5	3 43
Conrad, D	118	7¼	
do	119	10	
do	120	10	
do	121	7½	1 72
Chapin, G W	143	4 7-12	25
Currie, G C	218	5	25
Downie, J J	85	10	
do	207	5	
do	208	5	
do	209	8	
do	210	20	
do	211	10	
do	212	10	
do	213	10	
do	214	10	4 40
Edgeworth, P	170	5	25
Flint, W K	141	8⅔	44
Foster, W W	127	10	50
Hamilton, C	21	20	
do	22	20	
do	28	10	
do	29	5	
do	31	5	
do	33	5	3 25
Hethawey, Chas	172	40	2 00
Herrington, Geo	97	10	
do	98	6	80
Knowles, S H	1 & 2 5 ea	10	
do	3 & 5 10 ea	20	
do	9 & 10 10 ea	20	
do	12 & 13 50 ea	100	
do	14	16⅔	8 33
Livermore, H C	34	216⅔	10 83
Mahen, H W	210	10	50
Oliphant, H D	147	17¼	87
Rowley, J B	142	4	20
Schumacher, L	48	138⅔	6 93
Smith, W P	85	10	
do	80	10	
do	87	10	
do	88	10	
do	91	10	
do	92	10	
do	93	10	
do	109	10	
do	110	10	
do	111	10	
do	148	6⅔	
do	149, 150, 151, 152, 153, 154, 155, 156, 157	5 ea 45	7 58
Smith, I F	94	78⅔	3 93
Stone, S A Jr	113	10	50
Stilwell, B F	186	15	75
Taylor, John	114	25	1 25
Thurber, I L	228	10	50
Upham, I M	171	5	25
Whiting, W J	90	50	2 50
Wells, O M	217	20	1 00
Webster, H E	220	5	25

And in accordance with law, and an order of the Board of Trustees made on the 31st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, Room 8, 611 Clay street, San Francisco, on the 16th day of July, 1864, at 12 o'clock M., of said day, to pay said delinquent assessments, together with the costs of advertising and expenses of the sale.

G. BOWER, Secretary.

Office, 611 Clay street, San Francisco. 1

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of One and Fifty Hundredths ($1.50) Dollars per Share was levied upon the Capital Stock of said Company, payable immediately to the Secretary in United States Gold Coin, at the office of the company in this city.

Any Stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees.

SAM. P. HOWES, Secretary.

Offices, 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 1-5t

Schmeltzer Mining Company, American District, Humboldt County, Nevada Territory.

A Stockholders' meeting of the Schmeltzer Mining Company will be held at the office of the company, 621 Clay st., on Wednesday, the 3d of August, 1864, at 7½ P. M., for the election of officers, and such other business as may be presented.

M. O. ELMORE, Secretary.

San Francisco, July 2, 1864. 1-4t

Schmeltzer Mining Company, American District, Humboldt County, Nevada Territory.

Notice.—There is delinquent upon the following described stock, on account of assessment levied on the 11th day of April, and 25th day of August, 1863, the several amounts set opposite the names of the respective shareholders, as follows:

ASSESSMENT NO 1, LEVIED APRIL 11, 1863.

Names.	No. Certificate.	No. Shares.	Amount.
Holt Warren,	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	$10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B	189 & 189½ 100 sh's ea	200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 196 197, 25 sh's ea	100	25 00
do do	194 & 195, 10 sh's ea	20	5 00
do do	199	13	3 25
Brown, John	206	20	5 00
Dikeman, J		186	46 50
Catlin, E	202	40	10 00
Dryden, W R	205	55	13 75

ASSESSMENT NO. 2, LEVIED AUGUST 25, 1863.

Neal, T H	42	1	25
Holt Warren	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B	189 & 189½ 100 sh's ea	200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 196, 197, 25 sh's ea	100	25 00
do do	194 & 195 10 sh's ea	20	5 00
do do	199	13	3 25
do do	198	20	5 00
Barker, B M	157	1	25
do do	10	10	2 50
do do	164	25	6 25
Brown, John	163	70	17 50
do do	206	20	5 00
Schmeltzer, Geo	69	3	75
do do	26 and 28 2½ sh's ea	10	2 50
do do	70	2	50
do do	108	15	3 75
Neal, T H	136	23	5 75
do do	44 142 143 50 shs' ea	150	37 50
do do	144	25	6 25
do do	154	14	3 50
Semeltzer, John	109 110 111 112 5 sh's ea	20	5 00
do do	113 114 115 117 10 sh's ea	40	10 00
do do	118 119 120 121 122 123 sh's ea	90	22 50
do do	123 124 125 20 sh's ea	50	15 00
do do	5 126 127 25 sh's ea	75	18 75
do do	131 132 133 100 sh's ea	300	75 00
	129	50	12 50
Bryan, Henry,	32	50	12 50
do do	33	25	6 25
do do	36	8	2 00
Davis, W H	9	5	1 25
Ransom L	41	25	6 25
Knapp W H	83	20	5 00
do do	71 and 72 10 sh's ea	20	5 00
Wolf, J M	60	5	1 25
Fray, I C	92	118	29 50
Douglas J M	76	5	1 25
do do	63	1	25
do do	152	10	2 50
Haine Joseph	65	20	5 00
Woodward Wm	79	100	25 00
do do	74	10	2 50
Christian E J	78	5	1 25
Hayward B	178	90	22 50
McDonald D A	82	10	2 50
Parks W A	83	5	1 25
Bucklin E P	91	7	1 75
Whiting W J	96	5	1 25
Hill M M	96	10	2 50
do do	97	5	1 25
Conolly W J	99	10	2 50
do do	100	14	3 50
Treadwell J J	101	5	1 25
do do	180	5	1 25
McDonald Maria B	104	5	1 25
Mayer Robert	107	5	1 25
Hadley D L	139	10	2 50
Hanson L B	153	10	2 50
Brereton J	166	8	2 00
Daruell H Y	167 and 169 10 sh's ea	20	5 00
do do	159 160 161 162 20 sh's ea	80	20 00
Burdick E B	175	5	1 25
Brown R W	172	5	1 25
Webb F A	177	10	2 50
Bewley A H	179	5	1 25
Trakey E D	181	25	6 25
Robertson W E	184	10	2 50
do do	182 and 183 25 sh's ea	50	12 50
Welton M	188	5	1 25
Catlin E	202	40	10 00
Dryden W R	205	55	13 75
McLane J	151	20	5 00
Dikeman Joseph	not issued	186	46 50

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, 621 Clay street, on the 3d day of August, 1864, at the hour of 10, o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary.

Office, 621 Clay street, San Francisco, July 2, 1864. 1-4t

Silver Creek Mining Company, Keyes Mining District, Mono County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessments levied on the 30th, day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Am't.
T H Stevens,	108 to 114, 20 shs. ea,	140	$$ 70 00
T H Stevens,	115 & 116, 5 shs. ea,	10	5 00
Alfred Luelling,	stock not issued	300	150 00
H W Eddy,	stock not issued	300	150 00
John Evans,	stock not issued	200	100 00
John Evans,	1, 2, 3, 4, 25 shs. ea,	100	50 00
Samuel Millbury,	51 & 52, 100 shs. ea.	200	100 00
J B L Millbury,	54	50	25 00
Henry Bush,	36, 79, 80, 81, 25 sh ea	100	50 00
Henry Bush,	77	100	50 00
Henry Bush,	83 to 97, 10 shs ea	150	75 00
Mrs. J H Nevins,		143	50	25 00
A L Carman,		17	10	5 00
G C Carman,		18	20	10 00
M P Duzinbury,		132	25	12 50
G K Beede,		27	10	5 00
G K Beede,		133	15	7 50
Robt L Hill,		53	50	25 00
E A Saxe,	59 00 61, 50 shs ea		150	75 00
E A Saxe,	62		25	12 50
James J Lyons,		144	12	6 00
Samuel Sellers,		20	20	10 00
Mrs S Sellers,		19	10	5 00
Wm G Sellers,		21	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of May, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the auction rooms of Messrs. Jerome Rice & Co., No, 327, Montgomery street, San Francisco, on Wednesday, the 13th day of July, 1864, at One o'clock P. M. of said day, to pay the delinquent assessments thereon, (being fifty cents per share) together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.

Office, 416 Washington street, San Francisco, June 25th, 1864. 26-3t

POSTPONEMENT.—The above sale is postponed until Saturday, July 23d, 1864, at the same place and hour. By order of the Board of Trustees. J. F. MILLER, Secretary. 2-2t

Sistera Gold and Silver Mining Company, Augusta District. Lander county, N. T. Office, 406 Front street, San Francisco, June 22, 1864.

Notice is hereby given, that a meeting of the Trustees of said Company, held October 17th, 1863, an Assessment, No. 1, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No. 2, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Both Assessments, No. 1, and No. 2, payable immediately, in United States gold coin of the Treasury, at the office of said Company, or to John Moffet, Superintendent, at the mine, in Nevada Territory.

Any stock upon which said Assessments shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with cost of advertising and expenses of sale.

25-5t J. FRANK MILLER, President.

Selleck and Valley Forge Copper Mining Companies, Amador County, Office, 610 Front Street, Room 4, up stairs.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SELLECK COMPANY.

Names.	No. Cert.	No. Shares.	Amt.
John D Demeut,	46 to 49	200	$50 00
G R Cady,	42 to 45	180	45 00
W Ingersol,	32 to 34 and 169,	175	43 75
S Selleck,	84 to 88, & 149, 150	500	125 00
J W Selleck,	89 to 92	200	50 00
Geo S Ingersoll,	93	25	6 25
G. H. Russell,	135	13	3 25
J Johnson,	137	5	1 25
E Saunders,	177	10	2 50

VALLEY FORGE.

Silas Selleck,	40 to 42 & 94	175	70 00
J. Chamberlin,	not issued	100	40 00
C W Thomas,	69 to 77	100	40 00
W M Huntoon	92	13	5 20
L C Kelley	89	20	8 00

And in accordance with law and an order of the Board of Trustees, made on the 18th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23rd day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale. EDWARD F. BENT.

26-4t Secretary

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras county.

There are delinquent upon the following described stock, on account of assessment levied on the 21st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shs.	Am't
R S Findley,	not issued	150	$15 00
Daniel Hunt,	do	150	15 00
Kendrick Hunt,	do	150	15 00
John Findley,	do	150	15 00
John Grier,	do	150	15 00
John Black,	do	150	15 00
Ben McDonald,	do	150	15 00
Robert McDonald,	do	150	15 00
Smith Glidersleeve,	do	75	7 50
Sam Brummer,	do	150	15 00
Conrad Hyser,	do	150	15 00
Ed Cornilius,	do	150	15 00
Hammond Oatman,	do	150	15 00
Ran Dean,	do	150	15 00
Augustave Shriver,	do	150	15 00
Jos Bean,	do	150	15 00
O K Smith,	do	150	55 00
Obe Nanby,	do	150	15 00
L Soler,	do	150	15 00
R Stemgat,	do	150	15 00
Y B Smith	do	150	15 00

And in accordance with law and an order of the Board of Trustees made on the 21st day of May, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at John Black's Hotel, on the 9th day of July, 1864, at the hour of 12 o'clock M, of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. J. J. FINDLEY, Secretary.

1-2t Office, on Rock Creek, Calaveras co., California.

POSTPONEMENT.—Notice is hereby given, that at a meeting of the Board of Trustees of the Stars and Stripes Copper Mining Company, held on the 21st day of May, 1864, it was ordered that the time for the publication of stock upon which the assessments have not been paid, levied May 21st, 1864, be extended from June 21st to June 30th, 1864; and that the sale of delinquent stock under the above assessment be extended from the 9th day of July, to the 18th of July, 1864. By order of the Board of Trustees.

J. J. FINDLEY, Secretary.

Office, Rock Creek District, Calaveras Co., Cal. 3-2t

White Mountain Consolidated Gold and Silver Mining Company. Location, White Mountain District Mono County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the Capital Stock of the above named Co., the 6th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount
Atwood E A	not issued	9	$1 35
Arnold Ames	not issued	26	3 90
Ayres Washington	not issued	53	7 95
Albert John	not issued	48	7 20
Burke M J	not issued	26	3 90
Billington S W	not issued	27	4 05
Billings E P	not issued	53	7 95
Bodwell H H	not issued	26	3 90
Bennett Chas H	not issued	5	75
Caswell Allen	not issued	159	23 85
Cutter A S	not issued	53	7 95
Farran J W	not issued	53	7 95
Hill Benj	not issued	53	7 95
Hadley D L	not issued	53	7 95
Hollub A	not issued	53	7 95
Hedge Wm	not issued	100	15 96
Knox Geo T	not issued	26	3 96
Lowell N R	not issued	185	27 75
McNerney John	not issued	100	15 90
Norcross D C	not issued	27	4 05
Nunan Edw	not issued	53	7 95
O'Connor P J	not issued	53	7 95
Spencer A G	not issued	53	7 95
Skidmore W A	not issued	53	7 95

And in accordance with law, and an order of the Board of Trustees, made on the 6th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23d day of July, 1864, at the hour of 1 o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.

2-2t Office, 416 Washington street, San Francisco.

Warfield Mining Company, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately to Thatcher Ross, Gold Hill, Placer County, or to the Secretary at the office of the Company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 22d day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. R. K. ALLEN, Secretary

Office, No. 16 Metropolitan Block. 1-5t

Wm. Mitchell Gold and Silver Mining Company, Silver Mountain, Amador County, Cal.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 16th day of June 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold or silver coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on the 21st day of July, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on FRIDAY, the 6th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees A. O. WOOD, Secretary.

Office, S. E. Corner Montgomery and Pine streets, San Francisco. 26-4t

New this Week.

Good Return Consolidated Gold and Silver Mining Company, Jayo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Anguey, L J	250	30	$30
Bateman, W A	21	10	10
Bateman, W A	29	10	10
Bateman, W A.	30	5	5
Beckford, D R	210	5	5
Bloomor, Teresa	91	10	10
Brader, Henry	116	2	2
Bressen, Mclaaie	242	20	20
Brown, S G	137	10	10
Bush, Henry	151	5	5
Carl, H	114	3	3
Campboll, E R	214	5	5
Coles, E W S	181	10	10
Coles, E W S	253	40	40
Craae, A E	255	25	25
Champion, Cons'd M'g Co	254	100	100
Danos, J B	197	20	20
Do Long, F C	74	2	2
Doane, J O	260	10	10
Douglass, W F J	198	10	10
Emery, J. G	123	5	5
Freach, M B	150	25	25
Gifford, Emily	86	1	1
Goff, T A	121	10	10
Goff, T A	122	15	15
Hall, Adalino E	105	10	10
Hammet, Eliza M	219	50	50
Hammet, Eliza M	220	50	50
Heath, James	19	1	1
Heath, James	20	1	1
Heath, James	47	1	1
Henderson, John	202	25	25
Henderson, John	203	5	5
Kipp, A K	234	20	20
Kipp, A K	256	20	20
Locke, S	88	10	10
Locke, S	138	40	40
Locke, S	165	100	100
Looney, Edward	120	3	3
Mathews, L C	235	50	50
McKay, W J	113	2	2
Mc Kenzie, Wm	172	10	10
McKenzie, Wm	194	10	10
McKeazie, Wm	195	20	20
McKenzie, Wm	208	10	10
McKenzie, Wm	211	10	10
McKeazie, Wm	212	10	10
McKenzie, Wm	214	10	10
Millor, John	109	5	5
Millor, W P	136	2	2
Mitchell, J C	75	10	10
Mitchell, J C	233	10	10
Murray, Isaac	149	50	50
Murray, Isaac	169	59	59
Murray, Isaac	170	50	50
Paine, H J	102	330	330
Raad, E M	115	2	2
Scott, Harshaw	106	10	10
Scott, Harshaw	178	5	5
Scott, Harshaw	205	50	50
Spoaco, Catheriae	167	3	3
Spaace, William	168	38	38
Stevens, G F	199	5	5
Steveas, G F.	200	5	5
Swoetscr, W H	162	20	20
Sweetser, W H	153	20	20
Sweetscr, W H	104	20	20
Swoetscr, W H	166	12	12
Sweetser, W H	180	20	20
Taylor, E L	68	10	10
Taylor, E L	09	5	5
Taylor, D W	61	50	50
Taylor, D W	62	100	100
Tammeyer, Julius	78	3	3
Tamacyer, Emma G	79	1	1
Weffron, L D	25	5	5
West, W A	73	3	3
Whitney, Mrs F	139	6	6
Wright, I N	201	50	50
Wright, I N	258	10	10

And in accordance with law and an order of the Board of Trustees, made on the 14th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of Sale.

N. G. FRENCH, Secretary.

3-2t Office, 728 Montgomery Street, San Francisco.

Asphwall Gold and Silver Mining Company, Amador District, Lander County N. T.

Notice.—There are delinquent, upon the followlag described stock on account of assessment No. 2, of fifty cents per share, levied June 10th, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
E E Elliot,	13 53 93—ea 20 shs 60		$30 00
E E Elliott.	87 94 97 98—ea 10 shs 40		20 00
E E Elliot,	09 100 101 102		
	103 104—ea 5 shs 30		15 00
E E Elliott,	55	15	7 50
G P Sparks,	not issued	55	27 50
G P Sparks.	11 57—ca 20 shs 40		20 00
G P Sparks,	56-40 shs		
G P Sparks,	58-10 shs 50		25 00
E E Meeks,	not issued	70	30 00
E E Mooks,	78 79—ea 10 shs 20		10 00
H A Chase	not issued	100	50 00
B T Hunt,	80 81 82 83—ea 10 shs 40		20 00
Richard Roman,	not issued	25	12 50
W D Matheuay,	71-20 shs		
W D Matheuay,	77-5 shs 25		12 50
W D Matheuey,	72 73 74—ea 10 shs 30		15 00
W D Matheaoy,	75 75—ea 6 shs 12		6 00
A C Nichols,	38-10 shs		
A C Nichols,	39-15 shs 25		12 50
A C Nichols,	96	100	50 00
Ole Turson,	18	20	10 00
Sam Mooro,	22 23 24 25		
	26—ea 5 shs 25		12 50
Andrew Smith,	50-25 shs		
Andrew Smith,	86- 5 shs 30		15 00
W A Whito,	52 5		2 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, unless payment be made before, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Wednesday, the 3d day of August, 1864, at the hour of 12 o'clock, M., of saldday, to pay said delinquent assessments (fifty cents per share) thereon, together with costs of advertising and expenses of the sale.

A. F. EVERETT, President.

JOSEPH HEALY, Secretary. 3-2t.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Copp Gold and Silver Mining Company, Sierra District, Humboldt County, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Charles Joaes	22	80	$80
Joseph Warfield	52	50	50
Joseph Warfield	54	25	25
Joseph Warfield	55	25	25
Joseph Warfield	56	25	25
Joseph Warfield	57	25	25
W A Hughes	58	10	10
G S Burrago	59	5	5
G C Tyrrell	51	10	10
G G Tyrrell	52	5	5
G G Tyrrell	53	5	5
A Salamon	64	10	10
A Salamon	65	5	5
A Salamon	66	5	5
A Salamon	67	5	5
G G Tyrrell	68	5	5
A Salamon	69	7	7
A Salamon	70	7	7
D Davidson	76	50	50
W K Spencer	80	30	30
Charles F Williams	81	10	10
W K Sponcer	86	10	10
W K Spencor	87	10	10
W K Spencer	88	10	10
E W Heywood	04	25	25
D P Holbrook	95	15	15
G G Tyrrel	96	10	10
Simeon Rosenthrall	106	10	10
Simeon Rosenthrall	107	10	10
Thos. Ruper	109	20	20
Joseph Warfield	110	60	50
Joseph Warfield	111	50	50
Richard Humphry	112	5	5
Richard Humphry	113	5	5
Richard Humphry	114	15	15
Ewes & Nyo	115	10	10
Richard Humphry	110	10	10
T S Mitchell	117	15	15
G H Johnson	118	35	35
E S Carr	119	8	8
G G Tyrrell	120	5	5
Glas. Jones	123	10	10
N A Chamberlin	124	24	24
Joseph G Cowden	127	5	5
Joseph Warfield	128	50	50
R N Gravos	129	25	25
A Salamon	130	11	11
G G Tyrrell	131	10	10
Dr Clayhourn	132	6	8
John Baahart	133	25	25
W K Spoacer	89	20	20
Chas Jones	135	10	10
Chas Jones	137	10	10

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

E. X. FIELD, Secretary.

Office, 509 Clay Street, San Francisco. 3

Bodie Consolidation Gold and Silver Mining Company, No. 2. Location of Mine, Bodie District, Mono county, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 10th day of June, 1864, payable on the 13th day of July, 1864, and assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W S Bailey,	165	15	7 50
Bailey and Greenly	167	15	7 50
Chas C Bemis,	cert 191 192 199		
	shs 15 10 5	30	15 00
James Bryson,	450	25	12 50
J A R Child,	545	20	10 00
H L Farrington,	388	13	6 50
H S Farriagton,	389	12	6 00
R B Gray,	384	20	10 00
P Howland,	246	10	5 00
H Horstormaan & Co	106	10	5 00
Dan. Hardy,	cert 188 189 418 419		
	shs 25 25 5 5	60	30 00
W L Higgias,	207	60	30 00
Rollin J Jones,	cert 535 554 555		
	shs 10 25 25		
	cert 555 557 558 559		
	shs 25 25 20 20		
	cert 560 561 562 563		
	shs 20 20 20 10		
	cert 564 565 560 567		
	shs 10 10 10 10		
	cert 568 569 570 571		
	shs 10 10 10 10		
	cert 572		
	shs 10	310	155 00
Chas Knapp,	549	5	2 50
Robert McIntyre	415	5	2 50
Daniel Norcross,	414	5	2 50
L W Newell,	cert 435 436 451 452		
	sha 25 15 15 10	65	32 50
B S Proctor,	cert 297 298		
	shs 10 10	20	10 00
Jonathan Peol,	cert 479 480 481		
	shs 25 25 50	100	50 00
O V Sawyer,	112	5	2 50
J H Stearns,	133	20	10 00
D C Somers,	244	10	5 00
Mortimer J Smith, January			
and June assessments,	382	10	10 00
R W Thompson,	190	10	5 00
H Van Every,	287	20	10 00
Joseph Vangundy,	cert 500 526		
	shs 30 10	40	20 00

And in accordance with law, and an order of the Board of Trustees, made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

A. L. CHAMBERLIN, Secretary.

Office, Southwest of corner Clay and Montgomery streets, San Francisco. 3-3t

La Travlata Gold and Silver Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of, July, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 3-4t

Grosh Consolidated Gold and Silver Min. ing Company, Storey county. N. T.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Ray,	11	8	$1 50
J H Ray,	159	8	1 50
J H Ray,	211	6	1 20
J H Ray,	228	20	4 00
J H Ray,	229	16	3 20
G W Ryckmaa Jr	12	10	2 00
G W Ryckmaa Jr	13	10	2 00
G W Ryckmaa Jr	14	10	2 00
G W Ryckmaa Jr	15	10	2 00
G W Ryckmaa Jr	16	10	2 00
G W Ryckmaa Jr	17	10	2 00
G W Ryckmaa Jr	18	10	2 00
G W Ryckmaa Jr	19	10	2 00
G W Ryckmaa Jr	20	10	2 00
G W Ryckmaa Jr	21	10	2 00
G W Ryckmaa Jr	203	10	2 00
G W Ryckmaa Jr	204	10	2 00
G W Ryckmaa Jr	205	10	2 00
G W Ryckmaa Jr	206	10	2 00
G W Ryckmaa Jr	207	10	2 00
G W Ryckmaa Jr	208	10	2 00
G W Ryckmaa Jr	209	10	2 00
G W Ryckmaa Jr	211	5	1 00
G W Ryckmaa Jr	212	5	1 00
G W Ryckmaa Jr	213	5	1 00
G W Ryckmaa Jr	214	5	1 00
G W Ryckmaa Jr	215	5	1 00
G W Ryckmaa Jr	216	5	1 00
G W Ryckmaa Jr	217	5	1 00
G W Ryckmaa Jr	218	5	1 00
A H Gorley	105	3	60
J A Folger	240	10	2 00
Thos O Shaw	107	10	2 00
Thos O Shaw	108	10	2 00
Thos O Shaw	109	30	8 00
Thos O Shaw	110	7	1 40
John Johnson	111	8	1 60
John Johnson	112	8	1 60
John Johnson	113	8	1 50
J J Newsom	230	16	3 20
G Pierson	202	2	40
A Ryckman	23	10	2 00
A Ryckman	24	10	2 00
A Ryckman	25	10	2 00
A Ryckman	26	10	2 00
A Ryckman	27	10	2 00
A Ryckman	22	10	2 00
D M Hosmer	235	25	5 00
D M Hosmer	236	25	5 00
D M Hosmer	237	25	5 00
D M Hosmer	238	10	2 00
E W Willett	239	5	1 00
Wm Jackson	233	5	1 00
James Morgan	234	5	1 00

The following stock is held by certificates under the first issue, previous to the increase of capital stock, with the number of shares to which the respective holders are entitled, under the new issue, with the amounts due thereon.

John L Samual	40, 41, 42, 40, 47		
	48, 49, 51, 53, 55		
	61, 62, 92, 93, 94		
	95, 95, 97, 98, 99		
	100, 101, 103. 351	158	47 55
Horace Cole	182, 183, 184, 185		
	188	8	2 40
J L Reed	400	40	12 00
E W Willott	358, 359, 380, 361	6	1 80
John Corman	362	1	30
E F Northam	377	10	4 80
J H Ray	380, 384, 385, 388	30	0 00
Mrs A M Raasom	383	14	4 20
G W Ryckman Jr	367, 364, 337		
	335	112	33 00
John Bigler	330, 329, 328, 327	8	2 40
John McHenry	no number	480	144 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company on the 3d day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHAS. H. RYDER, Secretary.

Office, No. 4, Court Block, Clay street, San Francisco. 3

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 18th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N A Abbott,	63 64—ea 55 shs 110		$77 00
J C Beideman,	100	30	21 00
Peter Brown,	809	17	11 90
T H Downing,	119	30	21 00
C W Hayden,	318	41	28 70
E R Hawley,	269 270—oa 25 shs 50		35 00
Hopps & McAhee	284	40	28 00
A P Hodgden,	322	15	10 50
A P Hodgden,	323 324—ea 5 shs 10		7 00
T & J Iaderstroth	233-10 shs 234-15 shs 25		17 50
A H Jordau,	285 287—oa 25 shs 50		35 00
W H Knapp,	70 71 98—ea 10 shs 30		21 00
W H Knapp,	73 75—ea 15 shs 30		21 00
W H Knapp,	74-20 shs 77-25 shs 45		31 50
H Kilham,	235 236—ea 10 shs		
	237 238 239 240 241 242—ea 5 shs 50		35 00
C H Mathews,	113	10	7 00
H McCorrister,	152	5	3 50
C F Nolte,	245	20	14 00
J W Sprague,	78 79—ea 60 shs 120		84 00
D W Smith,	325	50	35 00

And in accordance with law, and an order of the Board of Trustees, made on the 18th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 1st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 525 Clay Street, San Francisco. 3-2t

Rose Matilda Mining Company,
Charter Oak Mining Company,
North Star Mining Company,
Diamond Mining Company, Santa Catallaa Island.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Companies, held on the 9th day of July, A. D. 1864, an Assessment (No. 3) of ten cents was levied upon each and every assessable share of the capital Stock of each of said Companies, payable immediately in United States gold or silver coin, to the Secretary, at his office in San Francisco.

Any stock upon which said Assessments shall remain unpaid on the Eleventh day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 27th day of August, 1864, to pay said delinquent Assessments, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner Pine. 3-4t

Rhode Island Gold and Silver Mining Compaay, Keys Mining District, Mono county, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on Saturday, the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Adams S K	32	1K	$1 50
Adams J S		575	118 75
Blinu S P		575	158 75
Butler Margaret	52	50	12 50
Butler Warren O	50	50	12 50
Banket E H	82	30	4 50
Bateman W A	119	5	1 25
Bush Alonzo	151	10	2 50
Carmarlich Geo	73	5	1 25
Carmarlich Geo	74	5	75
Carmarlich Geo	78	5	1 25
Carter W P	03	25	6 25
Chase H A	62	10	2 50
Chadwick W F	25	10	1 50
Colby Alonzo	71	10	1 50
Collins J W	90	5	1 25
Collins J W	7	5	1 25
Collins J W	8	10	2 50
Collins J W	40	25	6 25
Collins J W	87	10	2 50
Deat L M	29	25	6 25
Dunn R D	57	25	6 25
Delatich M	70	15	2 25
Doudy John	102	25	6 25
Doudy John	103	25	6 25
Dieterle H	124	10	1 50
Dieterle H	142	5	1 25
Dieterle H	143	5	1 25
Dicterlo H	144	5	1 25
David Eleanor	145	5	1 25
Evans P J	148	10	1 50
Flinn William	36	100	25 00
Flinn William	43	100	25 00
Fcaaell M	53	75	18 75
Goodwin H E	140	20	50 00
Goodwin H E	141	20	5 00
Gutcher William	115	5	1 25
Gaylord William H	72	10	1 50
Hora Andrew	101	12	3 00
Johnson Geo H	33	25	3 75
Kinsman F	134	100	25 00
Kinsman F	135	100	25 00
Kinsman F	138	100	25 00
Kinsman F	137	20	5 00
Kinsman F	138	10	2 50
Kinsman F	139	10	2 50
Kinsman F	154	335	83 75
Kinney James	100	12	3 00
Looser J C	96	5	75
Looser J C	97	5	75
Looser J C	98	5	75
Looser J O	99	5	75
Littleton J	56	25	6 25
Laske S	125	10	2 50
Myrick J W	19	10	2 50
Myrick J W	20	10	2 50
Myrick J W	38	10	1 50
Myrick J W	39	10	2 50
Myrick J W	40	10	2 50
Myrick J W	56	25	6 25
Myrick J W	66	5	1 25
Myrick J W	68	5	1 25
Myrick J W	83	5	1 25
Myrick J W	84	5	1 25
Muhn Aaaa	48	25	3 25
Muhn Anaa	49	25	3 75
Miles M	54	25	6 25
Myrick A G	121	5	1 25
Oldham Frank	17	100	25 00
Oldham Frank	95	15	3 75
Oldham Frank	107	10	2 50
Oldham Frank	108	20	5 00
Oldham Frank	109	10	2 50
Oldham Frank	110	10	2 50
Oldhau Frank	111	10	2 50
Oldham Frank	112	10	2 50
Oldham Frank	113	10	2 50
Oldham Frank	114	10	2 50
O'Byrne Felix	24	25	6 25
Pollard J	05	10	2 50
Quirk Pierce	150	10	2 50
Ryau Thos	123	10	2 50
Rice A W	122	5	1 25
Ruasom Leandor	58	25	6 25
Reed John	37	50	12 50
Roop George	104	20	5 00
Roop George	105	5	1 25
Roop George	106	10	2 50
Roop George	16	100	25 00
Shirley F P	10	5	1 25
Shirley F P	11	10	2 50
Shirley F P	12	25	6 25
Spencer L B	116	10	2 50
Speacer J W	21	25	8 25
Speacer J W	22	15	3 75
Spencer J W	23	25	6 25
Spencer J W	24	25	6 25
Spencer J W	25	10	2 50
Smith J O	132	10	2 50
Shaw F E	133	0	90
Schumaker F	118	10	1 50
Spencer E D	1	5	1 25
Spencer E D	4	20	5 00
Spencer E D	163	375	93 75
Spencer O W	5	10	2 50
Speucer O W	6	20	5 00
Spencer O W	155	445	111 25
Tromley C H	42	25	6 25
Whitlock M Wills	117	11	1 65
Welsh Thomas	51	50	12 50

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of DANIEL SWEENY, 423 Pacific street, on the 30th day of July, 1864, at the hour of 3 o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. W. MYRICK, Secretary.

3-2t Office, No. 526 Montgomery street, San Francisco.

John J. Crittenden Gold and Silver Mining Compaay, Reese River District, Lander county, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment (No. 2) levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Frank Snow,	4, 5, 63, 64, 65	135	$33 75
Geo W Lcet,	23. 24	20	5 00
John Ridgeway,	11, 25, 26, 27		
	28, 29, 31	120	30 00
E A Isaacs,	54	10	2 50
Samuel Mc Brown,	42	20	5 00
W W Hartman,	40. 43, 44 45		
	46, 47, 48	120	30 00
Mrs E Hartman,	41	10	2 50
G Nixou,	52	25	6 25
R Hnckins,	not issued	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 509 Clay street, San Francisco, on Wednesday, the 3d day of August, 1864, at 10 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. D. B. FRANCIS, Secretary.

Office, 509 Clay street, San Francisco. 3-2t

Scientific Mining Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, JULY 23, 1864.

VOLUME IX. Number 4.

Contents of Present Number.

No. 4—Vol. 9.—July 23, 1864.—Quartz Mining—Illustrated; Dress; Theory of the Origin of Coal Oil; Petroleum as Fuel; The World as a Place to Live In; A Novel Collegiate Institution; The Swing as a Cure for the Consumption; An Ounce Weight and a Tun Weight; New Method of Illumination; Mode of Silvering Wood; Furnace for Heating Pyrites; Habits of Eating; Middle Life; The Barometer; Mechanical Department—Working Steam Expansively; Illegal Advertising; Change of Literary Tastes; Iron Ships and Iron Clads; Mining Share Market; Summary of Mining News; The Usuer Caught; Motherless; No Waste in the Universe; Interesting Metallurgical Experiments; A New Machine for saving Gold and Sulphurets; Election of Officers; Sharcholders' Directory; Stock Reports, Etc.

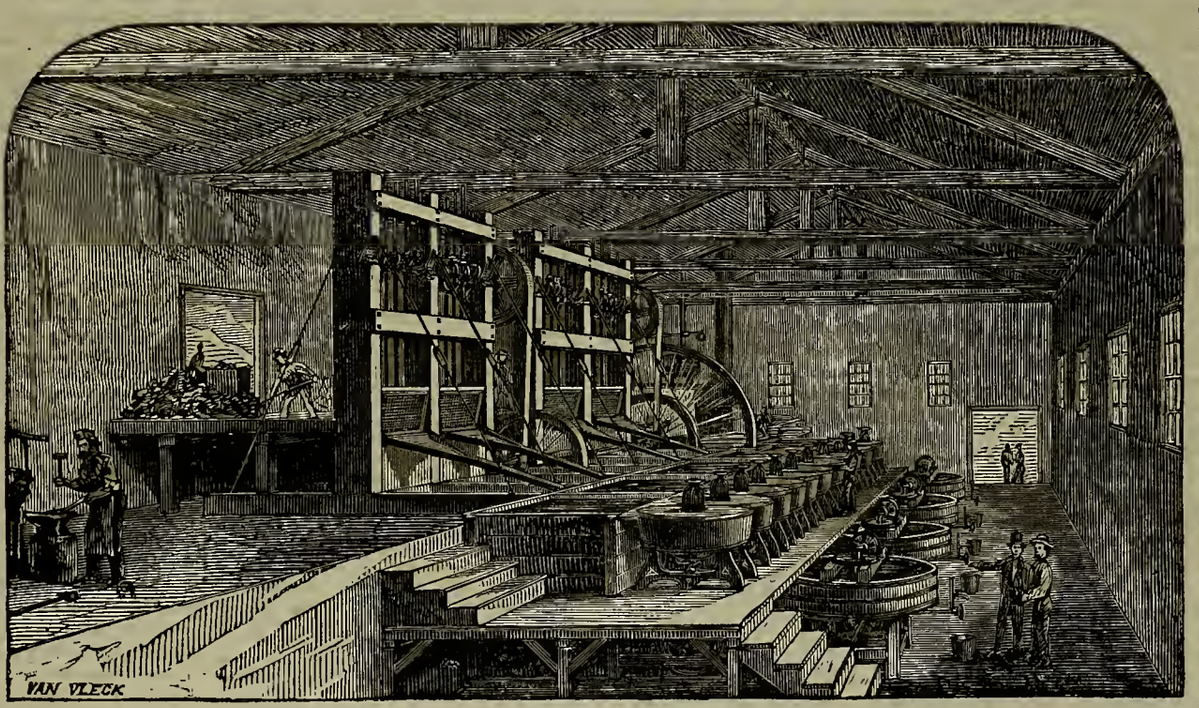
QUARTZ MINING.

Until within a very few years, mining machinery and mining processes have as a general thing been very rude and inefficient. It is only since the opening of the mines of California that the inventive genius of the age has been brought to bear in this direction. The quartz mill or rather stamping mill as it was called, was but a few years since, a very rude affair. It consisted generally of a hollow trough, with a ground floor made hard by stones pounded into it, by the action of the stamps. An iron plate was sometimes used as a floor. Through this, lengthwise, a stream of water was conducted, to carry off the pulverized ore. Sometimes it was discharged over the sides. The ore was subsequently submitted to various processes of washing by which the metal was but imperfectly separated. In some instances various imperfect processes were brought into use to reduce the sands still finer than could be done by the stamps; but owing to the general rudeness of all the machinery employed, the entire process of reducing the ores of the more precious metals, was but very imperfectly performed; and the percentage of loss was extremely large. In gold mines none except the richest could be worked to any profit, even with the cheapest of European labor.

Soon after the discovery and successful opening of mines of gold producing quartz in California, the attention of inventors was called to adapt improvements in the class of machinery employed for reducing and extracting the ore. A large amount of experimental machinery was devised and put to the test, but at first with very little success. Millions of dollars were thus thrown away in ineffectual attempts at the introduction of a new class of machinery. These experiments failing, one after another, quartz operators very generally came to the conclusion that the plain old stamps, with sluices and shaking-tables, were the best that could be devised. Inventors then applied their ingenuity to simply *improving* such machinery as we already had in existence, ignoring new principles entirely. The old fashion wooden stems, flat bed-plate and huge wooden shaft, or arbor, were metamorphosed into neat iron stems, so made as to revolve constantly, while at work, working in high, tight mortars, from which there could be no leakage, and driven by an iron shaft, with lifters so arranged as to almost entirely avoid the friction against the guides, which formerly absorbed a large portion of the power employed.

The numerous appliances, for further pulverizing the ore after it left the stamps, involving new and oftentimes complicated machinery, was quite generally thrown aside, and the old pan principle, with mullers and some simple contrivance to establish a current of the pulp from the center to the circumference, in use many years ago, has been taken up and improved upon, until we now have quite a number of different styles of pans of this description, neatly and carefully constructed, so as to do their work most effectually and economically, and all presenting a most striking contrast with the rough and uncouth machines from which they were originally designed.

Those of our readers who were familiar with the quartz mill as it was presented six or eight years ago, and used now in many places, will notice a most marked contrast in the annexed engraving. No effort that we have seen has succeeded so well, as the artist of the accompanying engraving, in giving a representation of "A Model Quartz Mill." Readers at the East, and in other places, who have never seen the inside of such a mill, can obtain from the above, which is a fancy sketch, a very correct idea of what the inside of a quartz mill should present.



A MODEL QUARTZ MILL.

But before entering the mill let us learn where the quartz which feeds it comes from. Amidst the great mass of rocky material of which the outer portion or crust of the earth is composed, is found a system of rocks, to which geologists have given the name of lodes or veins. It is in these lodes or veins that the more precious metals, such as gold, silver, copper, antimony, zinc, etc., are generally found. The lodes, which we will call them, are thin flattened planes, generally a few feet, but often only a few inches thick, extend down into the stony structure of the earth, usually to great and unknown depths, "cropping out," or showing themselves upon the surface longitudinally, sometimes for many miles. Those who have never seen a lode can form the best idea of one by taking a book and placing a thick sheet of colored paper between its leaves. When the book is closed that sheet of paper bears a similar relation to the book, as the quartz lode does to the contiguous portions of the earth through which it runs. These lodes usually go down at an angle of from 20 to 45 degrees. They sometimes appear to have been forced up from below into great fissures or cracks in the rock; at other times their origin appears to have been sedimentary or filled in from above. The theories of their formation are various.

The miner finds one of these lodes and sinks down into it. This opening is called a shaft or incline. If it proves to contain any valuable metal he takes out the entire vein, or so much of it as appears to be rich, and continues his work in depth and length as long as it continues to pay. When a lode is found on the side of a hill the miner drives into it on a level, for the convenience of taking the ore out more readily, and of allowing the water to run away without the cost of pumping. Such an opening is called a tunnel.

When steam power is employed the mill is usually placed near the mouth of the shaft or tunnel, so that the ore from the mine may be conveyed to it at the least cost and labor. When water power is employed, the mill is often times put up at quite a distance from the mine. The ore as it comes from the mine is a mixture of hard and soft substance; sometimes coming out in large blocks, as large as can be conveniently handled by one or two men. This ore is sometimes calcined or burnt before being taken to the mill, in order to render it more friable and easy for crushing. This operation is performed by spreading over a small surface a lot of dry wood and placing the quartz upon the top of the same. This being set on fire heats and softens the rocky ore. Water is sometimes thrown upon it while cooling to break it up. The ore is then taken to the platform in front of the mill, a small pile of which is represented on the left hand side of our engraving.

When the mine is worked through a tunnel, a narrow railroad track is laid along the same, and if the mill is near the mine the railroad is continued to the platform in front of the mill. The rock is run out in a hand car. One of these cars is represented in our engraving, which has just been run out from the mine with a load of ore. The hill into which the tunnel is ran is also seen in the distance. After arriving upon the platform, and previous to its being placed under the stamps the ore is usually broken into fragments about the size of hens eggs and smaller. This is sometimes done with a light hammer and frequently by machinery. Sometimes the ore is assorted and separated into first and second and perhaps third class, according to its apparent value.

The ore as it comes from the mine is of various degrees of richness, from that which will

not pay half the expenses of working up to that which is very rich. All mines yield good and poor ore, and from this fact chiefly, arises the great uncertainty of mining. A mine may be rich to-day, with every appearance of continuing so, and in a few days hence the workmen may come to a class of rock too poor to pay for working.

The cost of raising rock from the mine is from $3 to $30 per ton, varying with a great number of circumstances, such as hindrances from water, variation in depth, in hardness of rock, amount of dead work to be done, etc.

The cost of crushing and working the rock for gold varies from $3 to $10, according to location, cost of motive power, etc. The cost of working silver ore is greater, and depends much upon the nature of the ore to be worked, the "process" to be employed, etc. The usual price of working is from $20 to $30 per ton. A large portion of gold now sent from California and all the silver is from our quartz mines. Not much if any over one half of the gold which is now going forward, is from the placers. The placers, and river diggings, are fast being worked out, and, with the exception of the deep, hill diggings are now pretty much abandoned to the Chinese. It is to our quartz mines that California is to look for her future prosperity. They are considered inexhaustible.

The location of quartz mining claims is a very important matter, and one to which too little attention has been given. It is owing to the irregularity and imperfect manner in which locations have been made that our miners and mining shareholders have been so terribly cursed with the burthens and perplexities of law-suits, which, for the last year or two have absorbed a very large proportion of the net earnings of many of our mines. Each mining district makes its own laws regulating the amount of ground which a man may take up, how it shall be measured, and where recorded; how much and when work shall be done to hold it, etc. It is in consequence of a neglect to attend to the requirements of these laws that miners become so often involved in suits. The laws are usually plain, simple and easily understood, and it is the miners fault if he fails in conforming to them. These laws usually allow 100 feet in length upon a ledge to each man, sometimes 150 or 200 feet, with a certain number of feet on each side for convenience of working, etc. Claims are usually taken up in companies, three or four, or a dozen will unite in a company and take up each a claim on a ledge which some one of the company may discover. The discoverer is usually allowed an extra claim for discovery. The claims must be marked off, recorded and worked in accordance with the laws of the district in which the discovery is made.

We will now go back to the mill, and take the one we have in the illustration before us for a model. We have already learned where the rock comes from, how it is brought to the mill and prepared for crushing. The upright portion which we see nearly in the center of the picture, is the stamps, which are divided into four batteries of four stamps each. The stamps are moveable pillars of wood or iron, placed vertically in their position, and securely held by frame work. These pieces of wood are armed at the bottom with a large block of iron, weighing from two to three hundred lbs., or more, which are called the "heads." The stems are secured to the heads by a socket in the iron. Attached to the heads is a moveable "shoe," also of iron and secured to the head by another socket. These shoes weigh from 60 to 80 lbs., and as fast as they become much worn are taken off and new ones supplied. The stamps are raised by a shaft running longitudinally across the stamps, to which is attached a cam for each stamp, and by which the stamps are lifted. The stamps work in a long iron mortar into which the quartz is fed from the front of the battery, not seen in our representation. The feeder is seen in the act of shoveling some quartz to place in the battery. A stream of water is made to pass constantly through this battery which carries off the fine quartz as fast as it is pulverized. In passing off it is made to pass through an iron screen, the size of the holes in which regulates the fineness to which the quartz must be reduced. After passing through the screens, the "pulp," as it is now called, is collected in a trough and conducted into "settling vats," one of which is seen in our picture for each battery.

These vats are usually some six or eight feet long, and from two to three feet wide and deep. Two vats are sometimes attached to each battery, and while one is being filled, the other, after settling, is shoveled into the pans, which will be noticed in the upper platform, just in the rear of the vat. About 800 pounds of pulp is the usual charge for one of these pans. It is allowed to remain in the pan from two and a half to three hours. These pans are about four feet in diameter, and two are commonly used for each battery. The pulp, while in the pans, is made to pass between flat iron surfaces, by which it is reduced still finer than when it left the stamps, and more of the gold consequently liberated. A quantity of quicksilver, more or less, according to the nature and quantity of the ore, is placed in the pan for "amalgamating" the gold. This process of amalgamation is simply a coating of the particles of gold with quicksilver, by which it is made to adhere to the mass of quicksilver, and so prevented from being washed away with the sand.

After remaining the proper time in the pans it is drawn off into the "Separators," as they are called, a row of which is seen on the lower floor of the engraving. These separators are usually constructed of wooden sides attached to an iron bottom, and in shape much like the pans. The pulp is stirred slowly in these separators by rotary stirrers, and the amalgam allowed to settle gradually to the bottom, from whence it is drawn off, by means of the tube shown in the engraving, into a suitable vessel together with the mass of quicksilver. The quicksilver is then strained through thick canvas or buckskin, the gold remaining in the strainer in the form of a dry, hard "amalgam." This amalgam is then placed in a common retort, which is heated to such a degree as will evaporate all the quicksilver from the mass of amalgam, leaving the gold in the shape of a hard, spongy mass of metal. This "retorted gold," as it is now called, is then placed in a crucible, melted and run into bars or "bricks" as they are sometimes called from their shape conforming to the common article of brick.

The process of amalgamating, cleaning up and retorting silver is the same as that of gold. The silver mines nearly all contain more or less gold, varying in all possible proportions, until the greater quantity of gold entitles the mine to the denomination of a gold mine.

The Swing as a Cure for Consumption.—Dr. L. Long, of Holyoke, Mass., recommends the gymnastic swing as a preventive and cure of pulmonary disease. He says:—"I mean the suspending of the body by the hands, by means of a strong rope or chain, fastened to a beam at one end, and at the outer a stick three feet long, convenient to grasp with the hands. The rope should be fastened to the center of the stick, which should hang six or eight inches above the head. Let a person grasp this stick, with the hands two or three feet apart, and swing very moderately, at first—perhaps only hear the weight, if very weak, and gradually increase as the muscles gain strength from the exercise, until it may be freely used from three to five times daily. The connection of the arms with the body (with the exception of the clavicle with the sternum or breast-bone) being a muscular attachment to the ribs, the effects of this exercise is to elevate the ribs and enlarge the chest; and as nature allows no vacuum the lungs expand to fill the cavity, increasing the volume of air—the natural purifier of blood, and preventing congestion or the deposit of tuberculous matter. I have prescribed the above for all cases of hemorrhage of the lungs and threatened consumption, for 35 years, and have been able to increase the measure of the chest from two to four inches within a few months, and always with good results. But, especially, as a preventive, I would recommend this exercise."

A drove of goats, from Tuolumne county, arrived at Gold Hill, Nevada Territory, the other day, where they are to be used for milking purposes.

DRESS.

The main object of dress is not to impart warmth, but to keep the natural warmth about the body, and thus prevent those sudden and fatal changes from heat to cold which occur in passing from an out-door temperature of sixty-five degrees to that of zero or lower without, as in mid-winter. The temperature of the northern States varies over a hundred degrees during the year, sometimes nearly half that within twenty-four hours. Dress provides against these destructive sudden changes, by maintaining the warmth of the skin at its natural state, which is ninety-eight degrees, whether a man is on an iceberg in Greenland or on a sand island in a tropical sea. The materials of clothing which best keep the heat about the body are called *non*-conductors, such as furs and woolens, while the conductors are such as cool the body, by conveying the natural heat from it with great rapidity; the greater conducting ability is measured by the greater coldness which an article causes on the first instant of its application. In the very coldest weather fur and woolen flannel appear but a little cool, and that but for an instant, and the next there is a sensation of increasing, comfortable warmth; cotton flannel feels colder than woolen, silk colder than cotton, Irish linen greatly colder than either. A damp woolen shirt feels but a little cold, and begins to get warm and dry in an instant, even if the person is in a profuse perspiration; while an Irish linen or silk shirt, if damp with perspiration or otherwise, feels cold and clammy and sepulchral on the instant of its touching the skin, and will remain so for hours without getting dry, never failing to leave a cold in some troublesome or even dangerous form; hence, as persons perspire easily and profusely in summer, Irish linen cannot be worn in warm weather with impunity by the working classes and those liable to perspiration from a little walking or exercise. Thus it is that British sailors in the navy are compelled to wear woolen flannel shirts all the year and in all latitudes—in the north, because it keeps the natural warmth from escaping from the body, thus maintaining a temperature of ninety-eight degrees about the skin; and in hot climates in summer because, although woolen is a bad conductor of heat, it is a good conductor of water; for if a woolen blanket is thrown over a sweating horse, in a very short time his hair and the inner side of the blanket will be dry, while the microscope will discover the whole outside surface spangled with millions of tiny drops of water. For these reasons woolen flannel should be worn next the skin by all our people from one year's end to another—a fine material in summer; in winter a more substantial article. White flannel fulls up, and becomes hard and stiff unless about a fifth of it is cotton. Colored flannel, especially red, always remains soft and pliable. These things are indisputably true, and a practical attention to them, on the part of all hard working people, would prevent an amount of pain and sickness every year which figures cannot express. This would be especially true if, in warm weather, when fires are not needed in the house, farmers and other laborers would wear a moderately stout article of red woolen flannel as a shirt, with nothing over it while at work, but at other times a thin coat over that. Any flannel garment worn during the day should be hung up to air at night, while the night-gown all the year round should be of stout cotton shirting, for if woolen is worn next the skin all the time it makes it callous, and is otherwise injurious. The best, safest, healthful head-dress for farmers and workmen all the year round is a common, easy-fitting wool or felt hat; in winter it keeps the head warm; in summer it is a great protection against sunstroke, especially if a silk handkerchief or a few leaves of a tree are worn in the crown. Such a hat is a great preventive of baldness, if worn from early youth, because it allows the blood to flow freely to and from the scalp; but if the vessels are compressed, as is done by the common unyielding silk hat, the free circulation of the blood is obstructed, and the nourishment of the hair-roots or bulbs being cut off, the hair perishes irretrievably, causing all the discomforts and inconveniences of baldness.

Death often comes to the honest laborer, as well as to others, through the feet, either by tightly-fitting shoes, which, by obstructing the circulation, keep the feet cold, thus laying the foundation for troublesome diseases, or by shoes which do not keep out the dampness. In purchasing new shoes, or having the measure taken, put on two pairs of woolen socks, without the knowledge of Crispin, and the new pair will feel from the first "as easy as an old shoe."

A piece of tarred or pitch cloth sewed between the layers of the shoe-sole is a great protection against dampness from without; or take pitch, not hot enough to burn the leather, and apply it to the bottom and edges of the sole with a rag, let it dry thoroughly, and repeat the applications thus three or four times; it is contended that a sole thus treated will not only be impervious to water and dampness, but will wear nearly twice as long as a sole not thus treated. It is an excellent plan to have two pairs of shoes, to be worn on alternate days, so as to have a perfectly dry pair to put on every morning, allowing the unworn ones to remain in a warm, dry place. Washing the feet every night in warm weather, and soaking them for ten minutes three times a week in winter, admirably promotes that warmth, pliability, and softness of the skin of the feet, so indispensable to health and comfort, saying nothing of the cleanliness of the practice, and its tendency both to prevent and cure corns. But after all washings of the feet it is of first importance, after wiping them well, to hold them to the fire and rub them with the hands until perfectly dry and warm in every part.—*Dr. Hall.*

The Labor Question has been exciting a large share of attention in Washoe during the past few days. It appears that a serious proposition was entertained by several of the leading mining and milling companies there, to effect a general reduction of wages. It is stated that a meeting of the superintendents of the principal companies was held, at which a reduction was agreed upon—the representatives of the Imperial, Yellow Jacket, Belcher and Savage, however, refusing to enter into the arrangement, and affirming their determination of continuing to pay the old rates. It is said that a few companies have carried out the arrangement, and effected a slight reduction in the wages of certain classes of their workmen. The foremen of the different mines and mills oppose the policy, and say that it will prove a losing operation in the end. The papers generally take a decided stand against the proposed reduction, and the movement will most probably fail in seriously disturbing the rates of wages as heretofore established.

Professer Silliman.—A correspondent of the Morning *Call*, writing from Catalina Island, under date of July 11th, says:—

Our Island has been honored by a visit from the "big gun," Professor Silliman, who, in company with Mr. J. E. Clayton and another assistant, has made a thorough inspection of the Island, and examined most of the mines that are opened or being worked. The Professor is a very pleasant and agreeable gentleman, while he is thoroughly posted in science. He appears to have a favorable opinion generally of the mines here, took particular notes of the various lodes, and plenty of samples of the mineral for assay, etc.

The Professor will visit Colorado, and probably some portions of Arizona, before his return to this city.

Re-issue.—We notice that Mr. Zenas Wheeler, of this city, has obtained a re-issue of his patent for an amalgamating pan, first issued July 14th, 1863. Mr. Wheeler surrendered his original patent for the purpose of securing the perpetual and self-regulating discharge of the mercury from under the pulp by means of the chamber and tubes attached to his pans. This arrangement though delineated and lettered in his original drawings and attached to his model, were not claimed in his specification. Hence the surrender and re-issue. That arrangement now forms a part of his patent.

An Elevated Atmospheric Current.—Mr. John Wise states that out of 113 balloon ascents, in which he reached a hight of three miles, the balloon sailed to the east 112 times. In the exception she remained nearly stationary, landing three miles west of the point of ascension. This would seem to prove pretty conclusively the existence of an elevated atmospheric current in an Eastern direction, produced by the diurnal revolution of the earth.

If you count the number of dots on a pack of cards, there are 365—so many days in a year; if you count how many cards there are in a pack, you find there are 52—so many weeks in a year; when you reckon how many picture cards there are in a pack, you find there are 12—so many months in a year.

Three Captains recently mustered into the United States service at Fort Churchill were practical printers.

PETROLEUM AS FUEL.

The possibility of the introduction of crude petroleum as fuel, on sea-going vessels, has attracted much attention during the past year. The favorable report of the commissioners appointed by the Navy Department, to which we have already made several allusions, seems to have engendered, with some, a strong hope, almost amounting to conviction, that the ultimate accomplishment of so desirable an end, has been quite fully demonstrated. The highly inflammable nature of petroleum, and the abundant and apparently inexhaustible supply of the article, coupled with the favorable report above alluded to, would seem at first sight to give much countenance to such a presumption, even among intelligent and practical men.

It is true we have never seen a complete copy of the report made to the Department by the Navy Commissioners, but a careful examination of such extracts from the same as have found their way into the newspapers, betrays such an unwarrantable carelessness, either in the manner of conducting the experiments, or in preparing the report upon the same, or both, as to entirely divest them of all practical value. An English writer has also undertaken to prove the theory a scientific impossibility. He reasons as follows :

A very slight knowledge, however, of the chemical facts connected with combustion, is required to prove that at the lowest price of crude petroleum, its introduction as a fuel capable of competing with coal, is one of the wildest dreams that ever was conceived by an enthusiastic projector. It is these facts that we wish to lay before our readers in the present article.

The practically useful constituents of all varieties of ordinary fuel are two—namely, carbon and hydrogen. In some instances, as in coal and wood, oxygen is also present, and is so much loss; this is absent in petroleum. The products of the combustion of these two elements—carbon and hydrogen—are carbonic acid and water; provided the substance is perfectly burnt, then the amount of heat given out by the same material is perfectly fixed and invariable, whatever may be the circumstances under which it is burnt, and whether the combustion be effected quickly or slowly.

The most important consideration connected with any fuel is the amount of heat it gives out during combustion. Fortunately, the relative amount of heat given out by equal weights of different fuels can be ascertained with a great degree of exactness. It has been found by direct experiment that one part of carbon in burning unites with two and two-thirds of oxygen; and that, during its combustion, sufficient heat is produced to raise the temperature of 8,000 parts of water one degree of the centigrade thermometer. It has also been found that one part by weight of hydrogen unites, when burning, with eight parts of oxygen, and produces sufficient heat to raise the temperature of 34,000 parts of water one degree centigrade. Hence, the heat producing powers of carbon and nitrogen are as 8 to 34; or, in other words, hydrogen, in burning, gives out, in round numbers, four times as much heat as carbon.

Now, it makes no difference whatever to the heat producing power of these two substances, whether they are burned separately or in combination; and, if the amount of carbon and hydrogen in any compound, such as coal or petroleum, be known, the amount of heat given out by its burning can be at once determined by a simple calculation.

The relative amount of carbon and hydrogen in petroleum is about six parts of carbon to one of hydrogen; whereas in coal the amount of hydrogen is less in proportion, and there is also a small amount of oxygen present, which diminishes the heat. The result is that the heat producing power of petroleum is greater than that of an equal weight of coal; it is, in fact, about half as much again. The Federal Commissioners quoted in the *Times* state that the petroleum has double the heat-giving power of anthracite. There is no doubt that this statement is much too high an estimate, but as we have a wide margin, we will grant the assumption, although it is unfavorable to our argument. We assume, then, that one ton of petroleum has twice the heating power of one ton of coal. Now for the relative cost of coal and petroleum. The price of crude petroleum at New York, or anywhere on the American seaboard, was, on April 9, 34 to 35 cents per gallon, and it was steadily rising. The American gallon, it should be remembered, is one-fifth less than the English imperial gallon, being the same as our old Winchester ale gallon. The weight of an imperial gallon of petroleum is about 8 lbs; consequently the weight of an American gallon would be, in round numbers, 6½ lbs. This would make the cost of crude petroleum somewhat about 3d per lb. in America.

Let us compare this to the relative cost of petroleum and coal in England. The price of crude petroleum is £19 to £19 10s. per ton. This price of steam coal may be roundly estimated at 15s; or, in other words, at the lowest estimate, petroleum is twenty-five times the price of coal. Now, as even the advocates of the introduction of petroleum as fuel only claim for it a heating power of twice that of coal, it is obvious, according to their own showing, that petroleum is twelve and a half times as dear a fuel as coal. Where, then, is the saving of £2,400 per trip that was promised to the Cunard line of steamers?

A great stress is laid on the relatively greater economy of stowage; but as coal is half as heavy again as petroleum, it follows that making every allowance for the loss of space caused by the interstices of the broken coal, that there would be little advantage gained in this respect by the use of petroleum.

It is said that there is a great advantage to be gained by the rapidity with which the steam can be got up with petroleum as compared with coal—namely, in the American experiments a pressure of twenty pounds was obtained in 28 minutes as against 60 minutes by coal. This, however, is a matter of small moment in an ocean going steamer; and if requisite, furnaces can be so constructed as to get up steam very quickly with coal; steam fire-engines, for example, get up steam to a working pressure as they are running to a fire.

It would certainly be a consummation most devoutly to be wished for, that the profitable employment of petroleum for making steam be demonstrated beyond a doubt, and we would throw no obstacle in the way of such a result; but we conceive that we are doing good service to all parties in placing before them whatever information can be obtained from any source, regarding the uses of this comparatively new article of commercial industry, even though it should seem to be against its introduction into more extended channels of trade.

The World as a Place to Live In.

Many people seem to take a strange pleasure in decrying this life, as unworthy of their notice and unfit for their enjoyment. They forget that, for each of us, the world is very much what we choose to make it. They fail to remember that this is the very world created for man, adapted to his needs with consummate skill, and introduced to his notice as a residence eminently fitting. The Creator at its completion "saw that it was good." They are so irreverent and presumptuous as to insist that it is bad.

But, then, the world is unsatisfying and full of disappointment. Of course, we would not wish to have it otherwise. No material blessing is a permanent pleasure. The sweetest sleep is but for a night. The most acceptable dinner only appeases the hunger of a day. And this beneficent arrangement not only gives us a succession of dinners and dreams, but opens a way for the discipline of wakefulness and hunger, a discipline to which we owe more than we would like to acknowledge. Then, too, our plans are sometimes defeated, our noblest efforts fail of accomplishing their purpose. Be it so, in the name of all that is manly. Richly dowered as we are, we can afford an occasional defeat. Nay, more, we cannot afford to do without it. Ultimately, as a general thing, success follows desert. It is the uncertainty of each individual pursuit that gives it zest. When we fail we can make of the failure a pedestal upon which to stand while aiming at a loftier achievement. God has not taken so much pains in framing and furnishing, and adorning this world, that they who were made by Him to live in it should despise it. Why then do we disparage it? For its wickedness? It shall teach us a loftier virtue. For its deceit and treachery? It shall make our frankness beautiful. For its poverty? No, truly; for it has given us very much that money could not buy. This very wickedness, and deceit, and poverty, are needful ingredients in the soil from which the noblest fruit must grow. For our purpose the world does not contain too much. Let us take heed that it find not its only "superfluity of naughtiness" in ourselves.

A Successful Editor.—Mr. Lloyd, of Lloyd's Weekly Times, published in London, not only owns his own paper mill, but has leased several hundred acres of land in Algiers, on which is grown the Spanish grass of which he makes paper. The circulation of the *Times* is nearly 500,000 weekly, and its proprietor is immensely rich.

Heavy Mail.—Forty thousand soldiers' letters, weighing more than six tons, were forwarded North from Washington on the 17th and 18th of June.

Habits of Eating.

The most common way to a premature grave and one of the shortest cuts to that destination, is down a man's throat. There is a multitude, which no man can number, daily eating immoderately, thus sapping the constitution, and laying the foundation for innumerable ills, and a too early grave. The wise man does it and the fool; the virtuous and the abandoned; the kind and cross of all climes, are among the errorists. But there are some who are wise as to this point, and the number is increasing: the number of those who are men and women of force, who think for themselves, who have vigor of intellect enough to compare causes and effects, antecedents and consequences. There is constantly coming to us the knowledge of mothers, who have been led to regulate their households rationally, and are reaping a rich reward in the shape of health for themselves, and increasing health for their children.

The first point in the philosophy of eating is to perform that very necessary business with the greatest regularity. A young Scotch trapper, Thomas Glendy, told us thirty years ago, that the Indians, with whom he had been hunting, ate but once a day, and that was early in the evening; that then, a single individual would consume several pounds of meat, smoke his pipe, lie down to sleep, get up by the dawn, hunt all day, and eat nothing until evening. An old beau of Washington city took it into his head that eating was a trouble, and that he would perform that process but once a day. On occasion of his being invited out in the evening, he felt compelled to take something, although he had eaten his regular dinner; but then he would eat nothing at all the next day. These irregularities were very rare; he died when nearly eighty years of age, a sprightly, gallant old beau to the last. On the other hand, persons who are regularly irregular, seem to live a good while. Capt. Hall lately stated to the Historical Society, in New York, the case of some Esquimax, who, being carried to sea on a cake of ice, ate nothing for the space of thirty days, when each man swallowed about thirty pounds of meat and oil, and neither died nor bursted up. But observation has shown, that both as to man and beast, regularity in the hours of eating is indispensable to a healthy thriving condition. Most articles of food require several hours to be placed in a condition to be passed out of the stomach; and if a new supply of food is introduced before this process of digestion or conversion is completed, the former food is not passed out until the latter has been brought to its own condition; the result of its being kept warm so long is that it begins to decay, gas is generated, and the whole mass is corrupted. Those who eat often and eat between meals, always have wind on the stomach: but if it cannot escape, it causes a feeling of oppression, and this is dyspepsia, that horrid hag which has a thousand ills in her trail. Half "the girls" have dyspepsia, before they are seventeen, in consequence of their everlasting nibbling at everything eatable in the house. The most natural and healthful times of eating would seem to be at daylight, noon, and sundown; the last meal being very light indeed.—*Hall's Journal of Health.*

No Waste in the Universe.—What an economist is nature, so made by God! She economizes even the light she so immensely possesses; catches it in the moon as a candle, after the sun has gone down, as we say, when he is but rising on other lands; and sends it inconceivably far from us to the stars. She economizes heat, equalizing it for the life and health of the whole world, by currents in the air and ocean and of the electric fluid. She economizes water, to answer a thousand successive important purposes, in a thousand different places, with the same drop. How nicely and carefully she sifts out its minutest portions from the briny sea, to cleanse the air and revive the plants at this season, to fill the springs, paint the sky, and support all human life! How, with her mighty elemental agencies, she crumbles and bears down the barren rock from the mountains and the hills, to fertilize, for boundless and endless crops, the valley and the plain! How she makes the ashes even of the dead spring into grass, and blossom into flowers! How, applying the same economy to crude mineral, from the very gravel in the ground she distils a curious, delicate wash to protect the tender stalks of the growing grain; though you may not think what perhaps cuts your hand to bleeding in this varnish of flint.

How she saves every hair, particle, nail-paring, and exhalation, to turn it to some account! How she converts ice, and the snow that manures the poor man's ground, into harvests of corn and wheat! How she nourishes her *vegetable* offspring, so that her *animal* may not die of hunger? The roots of a shrub, thirsty for a supply that had been drawn aside by an artificial channel, have been known, in their resolution not to be defrauded, to find their way to the aqueduct under ground, and bore a hole through its soft wooden plug, that every fibre might drink its fill, as was divinely intended. To one who looks with a careless view on Nature, it seems as if everything with her were in extravagant excess. We quote the line about "many a flower born to blush unseen," and we talk of the floods that are poured away to no purpose. But a close inspection corrects this error, and shows how frugal her utility and perfect her order, enough, but "no room to insert a particle," however Art may rearrange her forms to educate and give scope to human power.

The Usurer Caught.—An eminent artist at Lyons, while passing through the Rue des Terreaux, approached a number of persons who were gathered together witnessing the sale of the furniture of a poor workman. A woman was seated on the pavement with a child in her arms. The painter spoke to her, and was told that the furniture which was being sold belonged to her; that her husband had lately died, leaving her with the child she had in her arms; that she had struggled hard to maintain herself by working day and night, and submitting to every privation, but that her landlord had at length seized her furniture for some months' rent which was due him. The artist was much affected by this simple recital, and inquired who was her landlord. "There he is," replied the poor woman, pointing to a man who was watching the progress of the sale; and he was recognized by the painter as a person who was suspected of having amassed a considerable fortune by usury, so that to make an appeal to his feelings in behalf of the poor widow would be useless. The artist was considering within himself what other plan he could adopt to benefit her when the crier announced a picture for sale. It was a miserable daub, which in the summer the poor woman had used to hide the hole in the wall through which the pipe of the stove passed during the winter. It was put up at one franc. The artist at once conceived a plan for taking revenge of the landlord. He went over, examined the picture with great attention, and then called out, with a very loud voice, "One hundred francs!" The landlord was astounded at the bid, but conceiving that a picture of which so eminent an artist could offer that sum, was worth more than double, boldly offered two hundred. "Five hundred!" said the painter, and the contest between the two bidders became so animated, that the prize was at length knocked down to the landlord at 2,200f.! The purchaser then addressing the painter, said, "In seeing an artist of your merit bid so eagerly for the picture, I supposed that it must be valuable. Now tell me, sir, at what you estimate its value?" "About three francs and a half," said the painter, "but I would not give that for it." "You are truly jesting," said the landlord, "for you bid as high as 2,100f. for it." "That is true," replied the artist, "and I will tell you why I did so. You, who are in possession of an income of 25,000f. a year, have seized on the furniture of a poor woman for a debt of 200f. I wished to give you a lesson, and you fell into my trap. Instead of the poor woman being your debtor, she is now your creditor, and I flatter myself you will not compel her to seize on your furniture for her debt." The artist then politely saluted the astonished landlord, and, having announced her good fortune to the poor woman, walked away.—*Lyons Paper.*

Insects and their Human Prey.—Medical writers describe no less than about twenty varieties of parasites which infest the human system. Says a recent writer: "It is a notorious fact that numerous parasites crawl over our surface, burrow beneath the skin, nestle in our entrails, and riot and propagate their kind in every corner of our frames; and scarcely a tissue or an organ but is occasionally profaned by their inroads. Each has also its parasite or special domicile, one specimen of *strongle* chooses the heart for its place of abode, another inhabits the arteries and a third the kidneys. Myriads of minute worms have been found coiled up in the muscles. A little *fluke*, very much like a miniature flounder, lives steeped in gall, in the liver. If the skin of the nose be squeezed a cheesy matter will exude, and if examined by the microscope ten to one several animalcules, extremely minute, but of a complicated structure, will be seen. They are present in the majority of living persons. It is less than one hundredth part of an inch in length, has a head, chest and abdomen, it has eight legs and very moveable jaws. It is well known that a small insect is the cause of itch; the insect, by skillful management, can be caught and seen under the microscope. It seems a strange and humiliating fact that the human body should provide food and habitation for so many and such varieties of these inferior creatures.

Thirty-five $5 gold pieces, dated 1792, have been discovered in removing an old building at Fort Ann, N. Y.

Joshua Bates and James McHenry have given $5,000 each to a United States Sanitary Fund just started in London.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press
AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T. DAY FOR ANY'G—SALE.

Augusta, Augusta, R. R., 2 ass'ts 12½c each..July 30—Aug 31*
Animas, Durango, Mex., $1.....Aug 13—Aug 27*
Arizona, Cons., Eureka, 20c.....July 30—Aug 13*
Amador Cons., Lander co., $4.....Adv July 27—Sale Aug 8*
Aspinwall, Reese River, 50c.....Adv July 15—Sale Aug 3*
Arbitros, Batopolis, Mex., $2.....Adv. July 16—Sale July 23
Alhambra Hill, Summit, $1.....Adv July 20—Sale July 30
Agawam, Nye County, $1.....Adv July 23—Sale August 10
Alemania, San Antonio, $2.50.....Adv July 23—Sale Aug 4
Armagoza, San Bernardino co., $2..Adv July 18—Sale Aug 6
Alban.....Annual Meeting July 27
Alpine, Amador Dist. 25c.....Aug 1—Aug 15
Archer Cons., Summit Lake, $1.....Aug 8—Aug 23
Apollo, R. R.....Sale Aug 11
Argentoro, R. R.....Annual Meeting Aug 11
Adriatic, Flowery, $1.....Aug 20—Sep 3
Adelaide Cons.....Annual Meeting Aug 10
Ashland, Arizona, $1.....Aug 14—Aug 29
Amagorza, Salt Spring, $2.....July 23—Aug 16
Amagorza.....Annual Meeting Aug 25
Adelaide Cons., 50c.....Aug 22—Sep 5

Bodie Cons., Mono co., 50c.....Adv July 13—Sale July 30*
Bay State, Tuolumne co., $2.....Adv June 11—Sale July 21*
Brooklyn, Reese River, 50c.....Adv. July 2—Sale July 16*
Blue Dragon, Inyo, 20 cents.....Adv. June 25—Sale July 29*
Black Ledge, Reese River, $2.....Aug 19—Aug 31
Beaeb & Paxton, Virginia, $3.....Adv. July 6—Sale July 23
Bajazett & Golden Era Cons., $5.....Sale July 23 Virginia
Buckeye, Devil's Gate, $1½.....Adv July 9—Sale July 27
Baja California, San Antonio, 50c.. Adv July 29—Sale Aug 9
Big Bluo Lead, Coso.....Special Meeting, Aug 23
Ben Franklin, Humboldt co., $1....Adv July 9—Sale July 30
Bella Vista, Lower Cal. $1.....July 25—Aug 7
Baltimore American.....Annual Meeting July 23
Big Blue Lead, Tulare co., $1.....July 28—Aug 10
Bonus, Coso,.....Annual Meeting July 25
Buckeye & Old Hickory Cons. S. Catal., 50c..Aug 6—Aug 25
Barreteros, Mex., $5.....Aug 15—Aug 27
Bullion, Virginia.....Sale Aug 10
Bamboo Chief, Silver Mountain.....Sale Aug 8
Bamboo, Esmeralda, $2.....July 21—Aug 1
Blue Ledge, El Dorado co.....July 16—Aug 1
Black Rock Ledge, R. R., $1.....Aug 18—Sep 5
Burning Moscow, $5.....July 29—Aug 15
Blanding, Devil's Gate. $2.....Aug 26—Sep 10
Boyce & Reynolds, Gold Hill, $2.....July 23—Aug 12
Boston Copper, El Dorado co., 60c.....Aug 11—Aug 23
Belcher, Baldwin & Abernethie, Div'd $8,..Payable July 10
Barreteros, Mex.....Annual Meeting Aug 1

Clinton, R. R., 50c.....Aug 6—Aug 20*
Cbarter Oak, Santa Catalina, 10c.....Aug 11—Aug 27*
Chandler, Palmyra.....July 16—Aug 3*
Cavour, Lander co., 50c.....July 30—Aug 17*
Copp, Humboldt, $1.....Adv July 16—Sale July 30*
Constitution, Lander co.....Sale July 23*
Ciruelo Gordo, San Antonio, $1..Adv. July 2—Sale July 23
Comstock, San Antonio, $4.....Aug 22—Sep 3
Cedar Hill, Virginia, 50c.....Adv July 14—Sale August 3
Carlton, Weaver, 50c.....Adv July 13—Sale July 26
Cox & Rose, R. R., $1.....Adv July 12—Sale July 27
Cole, Virginia, $1.....Adv July 18—Sale Aug 3
Capital, R. R. 50 cents.....Adv July 16—Sale July 30
Chicago & Detroit, Amador co 75c..Adv July 22—Sale Aug 6
Collombe, Gold Hill, 50c.....Adv July 21—Sale Aug 3
Caledouia, Gold Hill, $1.50.....Aug 12—Aug 24
Oortez, Lander co., $2½.....July 29—Aug 13
Cinco Seuores.....Speciul Meeting, Aug 11
Cosmopolitan, Gopher, 50c.....July 29—Aug 11
Copp, Slorra.....Annual Meeting July 30
Columbia, Tuolumne co., $2.....July 30—Aug 16
Chase & Cornwall, Amador Dist. 25c.. .....Aug 1—Aug 16
Ghipionena, Mex., $5.....Aug 1—Aug 13
Catalina Cons., Los Angeles Co.....Sale July 26
Crown Point Ravine, Gold Hill, $4.....Sale July 23
Central American, Gold Hill, $1.....Aug 2—Aug 22
Calfornia, La Paz, 75c.....Aug 8—Aug 22
Cassolil, Indian Springs District, $1.....Aug 2—Aug 17
Caledonia T. & M., Gold Hill, $1.50.....Aug 12—Aug 24
Cossette, Arizona, $1.....Aug 13—Aug 27
Gallfornia, Virginia, $12.50.....Aug 12—Aug 25
Cedar Hill T. & M., Virginia, 50c.....July 23—Aug 13
Cinco Senores.....Special Meeting Aug 1
Crown Lead, Mariposa, $1.....Aug 18—Aug 30
Calaveras Iron Mt. Copper, 50c.....Aug 19—Sep 3
Consolacion, Sinaloa, $5.....July 25—Aug 10
Consolacion.....Annual Meeting Aug 6
Cosala, Sinaloa, $1.50.....Aug 12—Aug 24
Caldwell, Cove.....Special Meeting July 30
Correl Viejo, Sonora, $7.50.....Aug 15—Aug 29

Diamond, Santa Catalina, 10c.....Aug 11—Aug 27*
Daue, Esmeralda, $1.....Aug 8—Aug 20*
Daniel Webster, 20c.....Aug 8—Aug 27*
Dexter T. & M., R. R.....Adv June 11—Sale August 1*
Diana, R. R., $2.....Aug 20—Sep 1
Dubuque, Galena, $1.....Adv July 14—Sale July 30
Dacota, R. R., $1.....Adv July 22—Sale Aug 6
Durand.....Speclal Meetiug Aug 1
Del Norte Comstock, Low Divide, 20c.....Sale July 30

Enterprise Coppor, Placer co.....July 9—Aug 9*
Enterprise Copper, Placer co.....Removal of office Aug 15*
Eureka M. & M. Co., Landor county, $3.15...Aug 13—Aug 27*
Egery, Tulare co., 10c .....Adv July 15—Sale July 30*
Execlsior, Reese River District, 25 cents...Levied March 22*
Ethan Allen, R. R.,.....Adv July 11—Sale July 29
El Toro, Mex , $1.....Adv July 15—Sale July 30
Eclipse, Sierra 50c.....July 30—Aug 13
El Taste, Mex., $3.....Aug 8—Aug 18
El Tesoro, Lower Cal., $2.....Aug 8—Aug 23
Eureka, Coal, Alameda co., $1.....Aug 16—Aug 29
Emilia, Guerrero, Mex., 25c.....Aug 2—Aug 20
El Dorado, Virginia, $2.....Aug 15—Aug 31
Eureka Coal, Alameda co., $1.....Aug 16—Aug 29
Ethan Allen.....Annual Meeting Aug 1
Empire State, Contra Costa,.....Assessment 10c
Eureka & IzElabeth Cons., Calaveras co., 10c..Aug 18—Sep 1

Those marked with an asterisk (*) are advertised in this journal.

Forest Queen, Amador Co., 60c..Adv Jnly 16—Sale August 1*
Flor de San Antonio.....Annual Meeting Aug 2
Fork, Blue Mountain.....Adv. June 17—Sale July 23
Flor de San Antonio, Mex. $1½.....June 25—July 26
Franco Americana, San Antonia, $20.....July 20—Aug 1

Great Cons., Bolse.....Caution*
Great Western T. & M. Co., Aurora, 25c....July 30—Aug 17*
Great Western T. & M. Co., Aurora.....Meeting Aug 6*
Gobernadora, Lower Cal., 70c...Adv July 16—Sale Aug 1*
Good Return, Cons., Tulare $1..Adv July 16—Sale July 30*
Gen'l. Hill, Summit, 25c .....Adv July 10—Sale July 23
Guadalupe del Aguajito, 50c.....Aug 20—Sep 1
Gen'l. Jackson, Devil's Gate, 50c....Adv July 2—Sale Aug 23
Green, Gold Hill, 50c.....Adv July 18—Sale Aug 1
Gold Cauon, Gold Hill.....Sale Aug 10
Grattan, 20c.....Aug 1—Aug 13
Gen. Jackson.....Annual Meeting July 23
Gold Hill Tunnelling, Gold Hill, $1..... Aug 13—Aug 26
Gov. Low.....Sale July 23
Gem of Sierra.....Annual Meeting July 23
Gov. Seymour, R. R. $1.....Aug 10—Aug 23
Goodwin.....Annual Meeting Aug 1
Grosh Cons., Storey co., 20c.....July 16—Aug 3
Great Cons. Boise, Idaho, $1.25.....Aug 23—Sep 10
Great Central, Weaver, 25c.....July 23—Aug 10
Gem Hill, Summit, 25c.....Salo July 30

Heidelberg, Marin co., 10c.....Aug 20—Sep 6*
Henry & Barnard, Weaver, 10c.....Aug 20—Sep 5*
Hale & Norcross, $25.....Aug 22—Sep 7
Hornitos, Hornitos, $1.....Aug 24—Sep 6
Hinchman, El Dorado co., $4.....Adv July 20—Sale July 30
Halleck, Alplue co., 30c.....Aug 2—Aug 22
Hawley, Devil's Gate, $7.50.....Aug 1—Aug 20
Highland Chief, 25c.....July 19—Aug 4
Harmon, El Dorado co., $5.....Aug 9—Aug 27
Humboldt Canal, $3.....July 23—Aug 10
Henry Clay, Lander co., 50c.....Sale Aug 16
Hartford, Gold Hill, $1.....Sale Aug 1
Heckondorn, Calaveras.....Annual Meetiug Aug 6

Illinois, Smoky Valley 50c.....Aug 13—Sep 2*
Imperial, Arizona 50c.....Sale Aug 2*
Independent, R. R., $1..Adv. June 21—Sale July 9, Gold Hill
I X L, Silver Mountain, 50c.....July 7—July 26
Iowa, Virginia, $6.....Aug 19—Sep 5
I X L.....Special Meeting Aug 17

J. J. Crittenden, R. R. 25 cents..Adv July 16—Sale August 3*
J C Fremont, Sil. Mt. 4 ass'ts at 25c....Adv Aug 1—Sale Sept 1
Jewel, Devil's Gate, $1½.....Adv July 13—Sale July 25
Josephine Copper, Calaveras Co., $2.....July 30—Aug 13
Joe Lane, R. R., 50c.....Aug 11—Aug 24

Keokuk, Contra Costa, 15c.....Aug 20—Sep 3*
Kate Lamar, R. R.,.....July 2—Aug 5*
Kentucky, Mme. Felix, 50c.....July 30—Aug 10
Kohler Bros., San Antonio, Mex., $1.....Aug 16—Aug 27

Libertad, Mex., $5.....Aug 20—Sep 5*
Libertad, Ures, Mex., Caution.....Adv July 23*
Lady of the Lake.....July 23—Aug 35*
Leland, Arizona, 50c.....Salo Aug 26*
La Traviata, Calaveras co, 50c.....Aug 13—Aug 27*
Lancaster, Palmyra.....July 16—Aug 3*
La Candelaria, Mex.....Adv July 16—Sale August 5*
La Marronena, L. C., $5.....Adv July 9—Sale July 23*
Laurel Hill, $1.....Adv July 17—Sale July 30
La Blanca, Mex. $2½.....Adv July 14—Sale July 26
Lono Star, Lander co.....July 30—Aug 13
Loehinvar. Gopher, 50c.....Aug 5—Aug 16
Las Cruzcelitas, Mex. $6½.....Adv July 13—Sale July 25
Louisiana, R. R., $1.....Aug 13—Sep 2
Los Angeles, Arizona, $1.80.....Aug 1—Aug 15
Lucerne, Gold Hill.....Salo Aug 1
La Palma, San Antonio, Mex.,25c.....Aug 18—Aug 30
Londou Quartz. Siskiyou co., $1.....Aug 1—Aug 15
Logan, Arizona, $2.....Sale Aug 4
Legal Tender, Lauder co., $1.....Aug 9—Aug 24
Lady Bryan, Flowery, $3.....Aug 24—Sep 10
La Blanca, Sonora, $2.50.....Aug 22—Sep 6

Mosquito, Calaveras co., $5.....Aug 13—Aug 29*
McElroy, Palmyra.....July 16—Aug 3*
Mount Zion, Clayton Dist., Contra Costa, $1.Aug 11—Aug 27*
Mount Eden, Gold Hill, 50c.....July 9—July 25*
Moscow.....Meeting, Aug 1*
Minerva, Gold Hill, $25.....Adv July 8—Sale July 23
Melones & Stanislaus, C. H, $2.50..Adv. July 30—Sale Aug 13
Mandot, Del Norte, 50c.....Aug 1—Aug 13
Musidora, San Antonio, 50c.....July 30—Aug 13
Mount Washington, Devil's Gate, $2.....Aug 26—Sep 10
Manchester, Monitor, $1.....Aug 16—Aug 31
Mammoth Ledge, Del Norte, $1.....July 29—Aug 10
Mount St. Helena.....Annual Meeting July 25
Mina San Felipe, San Antonio, 50c.....Aug 6—Aug 17
Michigan, G H, $10 .Adv July 9—Sale at Gold Hill August 10
Maria, Mex. 75c.....Adv July 18—Sale July 30
Moss, Virginia, $5.....Adv July 12—July 23
Miua Rica de Las Flores, Galaveras county .....Sale Aug 10
Molitor, R. R.....Adv. June 22—Sale July 23
Mercides, Sonora, Mex.....Sale July 25
Morning Star, Alpine Co., 75c.....July 30—Aug 3
Mineral Hill, Mono co., 50c.....Aug 7—Aug 20
Mary Frances, Silver Mountain.....Annual Meeting July 30
Marathon, Mono co., 50c.....July 27—Aug 10
Metropolitan, Silver Mountain, 20c.....July 27—Aug 10
Monster Cous., Santa Catalina, 50c .....Aug 8—Aug 20
Marble Valley, El Dorado co .....Sale July 28

North Star, Santa Catalina, 10c.....Aug 11—Aug 27*
Nonpareil, Tuolumne co., $5... .Adv July 8—Sale July 26
New England Con. Los Ang'ls co 5c.Adv July 15-Sale July 27
Napoleon, $5.....Adv July 14—Sale July 29
North Potosi, Virginia, $12½.....Adv July 16—Sale July 30
North Star, R. R., $2.....Aug 20—Sep 2
Nevada Copper, Nevada co., 50c.....Aug 13—Aug 25
New York Q'rtz, El Dorado co.,.....Annual Meeting July 27
Nuestra Sonora de Guada', Mex. $1.....Aug 20—Sep 6
Nelson, Inyo.....Sale Aug 17
New England Cons,, Santa Catalina, Annual Meeting Aug 22
North Star Cons., Coso.....Annual Meeting July 25

Oxford Beta, Esmeralda, 50 cents,.....Aug 13—Aug 31*
Ozark, Gold Hill, 10c.....Adv July 16—Sale July 30
Overman, Gold Hill, $30.....Levied June 7—Sale Aug 10
Osceola Hill, 25c.....Adv July 20—Sale July 30
Owens River, Inyo, $3.....Adv July 9—Sale July 20
Omega, Gold Hill, Virginia, $25..Adv July 8—Sale July 23
Open Sesame, Clayton District, $1.....Aug 12—Aug 27
Occidental, Los Angeles co., 30c.....Aug 6—Aug 20
Occidental Copper, Del Norte, 40c.....Aug 1—Aug 25
Overman.....Levied July 7, Gold Hill

Pena Silver, Lower California, $3.....Aug 20—Sep 3*
Point Arena Petroleum .....Meeting Aug 9*
Porter, Butte co., 50c.....Adv July 16—Sale Aug. 3*
Prima Donna, Devil's Gate, 50c... Adv July 30—Sale Aug 15*
Provo Cons. Santa Rosa, 10c.....Adv Jnly 14—Sale July 24

San Francisco Stock & Exchange Board.—Prices Bid and Asked.

				Saturday.		Monday.		Tuesday.		Wednesday.		Thursday.		Friday.	
WASHOE STOCKS.	FT.	SHARES.	VAL.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.
Ophir	1,400	16,800	300	710	725	710	725	690	700	660	672	625	640	650	660
Gould & Curry..	1,200	4,800	500	1,680	1,700	1,680	1,690	1,675	1,680	1,590	1,600	1,512½	1,525	1,575	1,600
Savage	800	800	2,000	1,100	1,200	1,100	1,140	1,075	1,100	1,055	1,100	950	1,075	950	1,075
Chollar	1,400	5,600	800	350	410	300	450	300	400	310	375	320	350	350	375
Potosi	1,400	2,800	500	975	1,000	976	1,000	990	1,000	1,000	1,050	1,000	1,030	960	980
Hale & Norcross.	400	800	500	—	—	—	—	—	—	—	—	—	—	—	—
Sierra Nevada ..	3,000	3,000	500	—	50	5	25	5	25	7	25	7½	25	5	25
Daney	2,000	800	50	—	—	7	45	—	—	20	40	—	40	6	40
Burning Moscow	4,100	4,100	500	14	16	14	14½	13	14	11	12	10½	11	10	11½
North Potosi	2,000	2,000	250	50	65	55	60	70	71	50	65	50	65	50	62
Uncle Sam	1,200	1,200	200	—	—	400	—	—	—	—	390	—	375	225	376
Iowa	1,200	1,200	1,000	—	—	—	—	—	—	—	—	—	—	—	—
El Dorado	1,600	1,600	500	3	10	—	—	3½	6½	1	7	2	10	2½	—
Norton	1,600	1,600	50	—	—	—	—	—	—	—	—	—	—	—	—
Burnside	2,800	2,800	500	1	4	—	—	—	—	2½	—	—	—	—	4
Adriatic	2,700	2,700	100	1	—	—	—	—	—	—	—	—	—	—	—
Pride of West. .	1,400	1,400	100	—	3½	—	—	2½	3½	1½	3	1½	3	3½	3½
Imperial	184	4,000	500	150	155	148	150	148	157	143	147	145	145	142½	150
KSMERALDA.															
Wide West	1,400	1,400	2,500	7½	9	6½	10	—	—	7	8¾	7½	10	7½	8
Antelope	1,200	1,200	500	35	45	25	50	25	50	25	50	21½	50	20	50
Esmeralda	1,500	1,600	1,000	4	17	—	15	—	—	—	—	—	—	2½	7½
Real del Monte..	4,400	4,400	400	12	—	13	20	12	20	12	18	—	14	—	—
Utah	1,600	1,600	250	—	—	16	28	—	30	15	20	—	—	10	23
Silver Hill	3,000	3,000	500	—	—	—	—	—	—	—	—	—	—	—	—
Nevada	600	1,200	250	—	—	—	—	—	—	—	—	—	—	—	—
Falls of Clyde..	6,000	6,000	100	—	—	—	—	—	—	—	—	—	—	—	—
Bamboo	600	600	500	—	—	—	—	—	—	—	—	—	—	—	—
Crockett	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Federal Hope	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jenny Lind coso.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
COPPER.															
Josephine	9,600	4,800	2,500	—	—	—	—	—	—	½	—	—	—	—	4
Willow Springs.	2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—	—
Coso	2,600	3,600	600	—	—	—	—	—	—	—	—	—	—	—	—
COPPER.															
Napoleon	2,700	2,700	600	—	—	65	—	65	—	—	—	—	—	—	70
Josephine	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CALIFORNIA.															
Laurel Hill	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhodes Diggings	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fellowes	2,500	2,500	100	—	—	—	—	—	—	—	—	—	—	—	—
Maxwell	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rock River	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eureka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HUMBOLDT STOCKS															
De Soto	1,980	1,980	100	—	—	—	—	—	—	—	—	—	—	—	—
Great Basin	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Pizarro, Cortez, 25c.....Adv July 9—Sale July 23
Palmetto, Coso.....Annual Meeting July 25
Prince Imperial, Calaveras co.....July 30—Aug 17
Peuinsular, San Antonio, 50c.....July 30—Aug 13
Paris, Gold Hill, 50c... .....Aug 13 Aug 28
Patrocina & Dolores, Mex., $2.....Aug 13—Aug 24
Pennsylvania, Calaveras.....Sale Aug 2
Planet, Arizona, 50c.....Aug 25—Sep 7

Quartz Mountain, 40c.....July 30—Aug 19*
Quartz Hill, El Dorado co., 40c....Adv July 23—Sale Aug 10*

Rose Matilda, Santa Catalina, 10c.....Aug 11—Aug 27*
Rhodes Diggings, R D., $3.....Adv July 16—Sale July 29
Rhode Island, Mono co., 25c.....Adv July 15—Sale July 30*
Rubleon, No, 1, 2, 3 & 4, 10c Mono..Adv July 30—Sale Aug 19*
Real del Monte, Esmeralda.....Sale July 25
Royal Eagle & Cliff, Gold Hill, $1.....July 27—Aug 13
Rancherla, San Antonio, $1.....Aug 18—Aug 31
Rosario and Carmen, $1.....Aug 20—Sep 2

Sisters, Augusta, R. R., 2 ass'ts 15c each.....July 30—Aug 31*
Standard, Amador, R. R.....Sale Aug 22*
Steamboat, Star, Humboldt co., N. T. 50c...July 16—Aug 3*
Silver Age, Lander co., $1½.....July 30—Aug 10*
Schmeltzer, Humboldt co.....Sale Aug 5*
Schmeltzer, Humholdt co.....Meeting, Aug 3*
Selleck, Cop., Amador county....Adv June 25—Sale July 23*
Silver Creek, Mono co.....Sale July 23*
Salamander, Mill Valley, 20c.....Adv July 14—Sale July 29
Superlor, Alpine co., 50c.....Adv July 21—Sale Aug 2
Sumner, $5 .....Adv July 22—Sale Aug 11
Santa Rosa, Virginia, $1.....Adv July 18—Sale Aug 3
Surprise, Mariposa, 20c.....Adv July 11—Sale July 27
San Carlos, Inyo, $4.....Adv July 9—Sale July 23
St. Nicholas, Lander co., $1.....July 26—Aug 10
San Marcial, Senora Mex.....July 26—Aug 15
Savage, Virginia.....Annual Meeting July 26
Sixty Ninth, Sierra co., 3c.....Levied Juno 25
Siorra, Grusby co., $2.....July 27—Aug 15
Simpson & Bassell, Carson Valley, 30c.....Aug 6—Aug 17
Soledad, Los Angeles co, 25c.....Aug 9—Aug 23
San Francisco, Gold Hill, $5..... .....Aug 2—Aug 16
Sweet Vengeanee, Yuha co.....Annual Meeting Aug 1
Salamander, Coso.....Annual Meeting July 25
San Marelal, Sinaloa..... Sale Aug 6
Salvatierra, Catalina Island, 50c.....Aug 8—Aug 22
Segregated Crown Point, Gold Hill, $25.....Aug 9—Aug 22
Scott Mining and Exploring, Humboldt, 75c..July 31—Aug 15
Sharon, Gold Hill, $1.....Aug 3—Aug 15
Superior, Plumas co., 50c.....July 30—Aug 13
Scottish Chief, Humboldt co., $1.....Aug 9—Aug 24
Salambo, Tuolumne co., 50c.....Aug 16—Sep 3
Santa Rosa de Ures, Mex., 50c.....Aug 15—Aug 27
Starlight, Humboldt co., 50c .....Aug 1—Aug 20
Starlight, Humboldt.....Annual Meeting Aug 8
San Carlos Exp. & M.....Sale July 23
Sigel, Humboldt, $1.....July 23—Aug 8
Saratoga, Tuolumne.....Salo Aug 1
Siempre Viva, Sinaloa, $2.50.....Aug 20—Sep 3
Santa Teresa de Jesus, Cuerpe, Mex., 50,.....Aug 20—Sep 5
Sides, Virginia.....Sale Aug 12
Santa Fe, Virginia.....Sale July 23
Sallor, Calaveras co., 20c.....July 30—Aug 13
Sierra, Douglas co., $2.....Aug 1—Aug 16
San Francisco, Gold Hill, 40c.....Aug 18—Aug 31
Santa Anna, San Antonio, Mex., 10c.....Aug 19—Aug 31
Smith & Martin, Lander co., 50c.....Sale July 27
Star of Hope, Alpine co, 25c.....Aug 19—Sep 6
Santa Cruz, San Antonio, $2.50.....Aug 22—Sep 2
San Antonio, Chiquito, Mex.....Sale Aug 31
San Lorenzo, Santa Cruz, 50c.....Aug 22—Sep 7

Tellnrium, Pine Grove dis., Amador co., $1..Aug 13—Aug 27*
Twin, Silver Mountain, $1.....Adv July 9—Sale July 23
Tallulah, Sierra $15.....Adv June 17—Sale July 30
Tecorlpa.....Sale Aug 8
Tornado, Arizona.....Meeting July 23
Tennessee, Coso.....Annual Meeting July 25
Teutonia, San Miguel, 25c.....Aug 6—Aug 20
Taurus, Lauder Connty.....Annual Meeting Aug 2
Toledana.....Annual Meeting Aug 10
Triunfo, San Antonio, $1.....July 18—Aug 30
Texas, R. R. 50c.....Aug 13—Sep 2
Tecumsch, Gopher, $3.....Aug 22—Sep 6
Tesoro, Lower California; $1.....Aug 18—Aug 31
Tennessee, Eche, 60c.....Aug 13—Aug 30

Union, Copper No. 2.....Annual Meeting Aug 1
Unlon, Sierra co..... Annual Meeting Aug 8
United States, Virginia, $1.....Adv. July 3—Sale July 23
United States, Lander co, 5c.....July 23—Aug 8
Union, Sierra co., Dividond..... .....Payable July 15

Valley Forge, Cop., Amador co..Adv Juna 26—Sale July 23*
Ventana, San Demas, $5.....Adv July 8—Sale July 27
Vulean, Lander co.....Annual Meeting Aug 2
Veatch, Clifton..... ... Sale Aug 22

Wide West Cop., Calavoras co., 20c.....Aug 13—Aug 27*
Wellington, Santa Catalina, 25c.....Aug 17—Aug 31*
Warfield, Placer co., 15c..... .....Aug 5—Aug 22*
Winona, Arizona Ter., 25c.....Adv July 9—Sale July 27*
Whitman, Indian Springs, $7½.....Adv July 21—Sale Aug 1
White & Murphy, Virginia.....Adv July 22—Salo Aug 9
Weaver, Weaver, $1½.....Adv July 18—Sale July 28
Williams, Silver Mountain, 25c. 20c & 25c..... Aug 1— Sept 1
Washoe, No. 1, Gold Hill, $2½.....Adv July 14—Sale July 26
Wm. Penn, Devil's Gate, $5.....Adv. May 28—Sale July 23
Whitlock & Sherlock, Mariposa co.....July 9—July 23
Wm. Penn Cons.....Annual Meeting July 18
Whitlock & Sberlock.....Annual Meeting July 26

Yankee Blade, R. R., $2.....Adv July 25—Sale Aug 10
Yosemite, R. R., 50c.....Adv July 20—Sale Aug 3
Yellow Jacket, Gold Hill.....Annual Meeting Aug 1
Young Harmon, El Dorado co., 25c.....Aug 8—Aug 23
420, Virginia, $6.25.....Aug 22—Sep 6

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also — Eds. Press,

Sales of Mining Shares

For the week previous to Saturday, July 23d.

By the San Francisco Stock and Exchange Board, and Pacific Board of Brokers.

NAMES OF COMPANIES.	SHS. SOLD.	HIGH-EST.	LOW-EST.	CLOS-ING.
Antelope	10	40	40	40
Burning Moscow	169	15	10	10¼
Baltimore American	60	40	33	34
Blue Ledge	10	3	3	3
Baltic	15	25	25	25
Buckeye	110	1¾	1½	1¾
Baltic, G. H	40	50	45	45
Chollar	84	345	300	330
Crown Lead	25	1	1	1
California	60	16	16	16
Empire Mill & M Co.	1	600	600	500
Gould & Curry	230	1700	1490	1570
Golden Ago & Empire	55	21	17½	21
Imperial	75	150	142	146
Index, (eop)	20	12½	12½	12½
Lady Bryan	1817	8½	2½	2¾
Live Oak	62	22	16	22
Mt. Davidson	20	2½	2½	2¾
North American	335	70	40	40
North Potosi	219	70	50	50
Nevada, J. C.	30	30	22	22
Ophir	297	715	530	530
Potosi	94	1050	950	975
Real del Monte	30	13	9	9
Savage	6	1110	1100	1100
Seneca	10	9	9	9
Sacramento, East	25	3½	3½	3½
Santa Rosa	50	1½	1½	1½
Sheba	10	50	50	50
Utah	30	22½	22½	22½
Uncle Sam	4	400	325	325
Wide West	115	8	6½	8

Gold in New York.

Saturday, July 15.....255@257.
Monday, July 18.....260
Tuesday, July 19.....263@266.
Wednesday, July 20.....260@263.

Legal Tender Notes.

San Francisco, Friday, July 22..... 38 per cent.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Shares Market; Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Peitsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summery of Mining News—Washoe, Reese River, Esmeralda, Gwena River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

Our Summary of Mining News.

GLEANED FROM VARIOUS EXCHANGES.

WASHOE.

THE IMPERIAL MINING CO.—From the annual report of the President of this Company we glean the following: The Alta mine is now opened to a depth of 410 feet; by actual measurement there is above water 12,000 tons of ore which will yield $35 per ton. The Holmes mine is closed at present. The Rock Point mill on the Carson river has been much improved recently, and additional batteries of sixteen stamps are to be put in, when this work is completed the mill will consist of fifty-six stamps with amalgamating capacity and capable of crushing 1,680 tons per month; the cost of reducing ores at this mill the past year, including hauling, has been $10.02 per ton. The Gold Hill mill is in good working order and is successfully reducing an average of 650 tons per month; the cost of reduction in this mill has averaged for the year $13.66 per ton. The average cost of the extraction of ores has been $9 per ton, which, however, includes an outlay of $26,500 for improvements on the Alta ground. The disbursements during this period reached $517,000, including dividends amounting to $40,000. The total indebtedness of the company on the 31st of May last was less than $30,000, since which time this has been paid. The receipts of the company the current month will, it is thought, exceed $90,000.

WE extract the following from the Gold Hill News:

THE ASTOR COMPANY are driving their tunnel ahead day and night, showing they have confidence in the merit of their claim. The indications of finding a lead before long are very good indeed. The outlay of money and the efforts of this company, will soon be rewarded. The rock continues hard, but lately it has become damp, and a stratum of fine looking quartz, recently struck, pitching to the west, indicates that the main lead is not far off. When the lead is found, an abundance of water must be struck by the great depth of the tunnel (now about 350 feet below the surface,) which will be quite a prize itself, if the weather is as dry and hot as usual here, constantly increasing the demand for it, both for our town and mills. Success, we say, to every enterprise carried on, in these times, with such determined intentions to develop our valuable mining interests. A large number of the old shareholders still hold their interests in this company, and have no great desire to sell at present low prices for good prospective claims.

THE OVERMAN company will soon be taking out pay rock again. At present it is sinking its shaft, which is now sixty-five feet below water level, and that distance deeper than its ledge has ever been worked. When chambers are run from this shaft to work the ledge, at this or a greater depth, we expect to see very rich rock taken out.

THE YELLOW JACKET company is busy running a drift from its shaft into the ledge, a long distance below where the latter has hitherto been worked. The company is also sinking an air shaft down from the old chamber in its mine to connect with this drift when it shall have come into the ledge far enough. From this shaft is being taken out some of the richest rock ever taken out by the company. When the company gets the drift in and commences working the ledge through it, at that depth, it will undoubtedly take out $60, $80 or $100 rock all the time.

THE CROESUS Company has a shaft 360 feet deep at present, which becomes about four feet deeper every day.

THE OMEGA company is putting up its steam boiler. All the machinery for this company's works will be here in a few days, and will be set as soon as possible after it arrives. It will not take long to complete the construction of the works after the engine, reels, etc., come to hand.

THE MILTON Company continues taking out the rich blue sulphuret rock, which was struck in its mine a couple of weeks ago. This rock is rich in silver. Then, besides this, there is also a ledge in the west drift of brown quartz, which produces a good deal of gold.

THE SAVAGE Company has got its new shaft sunk to the depth of 158 feet. It is being carried down very rapidly. The donkey engine which is used to do the hoisting, works admirably. There is no water in the ground to give trouble in working, and will not be until the shaft is sunk down below the level where the mine is now being worked.

THE DEWITT CLINTON is taking some very good looking ore from its claim. Several tons have been taken out through its tunnel, and now lies beside the track on the dump. We know not how large the vein is from which the ore is taken. No person is admitted into this claim without permission of the Superintendent.

THE KEYSTONE Company is at work again on its claim. A drift is being run to the ledge and has been driven about thirty feet from the shaft in that direction. It is being run in very hard rock, and can be driven ahead but slowly. There has been no water struck in the shaft or drift yet, although they are both lower than the water level as it stands in several of the claims near by.

THE MINERVA Company has received its steam boiler and smoke stacks, and the engine and other machinery necessary to have to put hoisting works into operation is on the road and fully due at the mine. The engine, is of sixty horse power, and the other machinery to match.

THE YOLO Company has been driving work ahead with great activity for the past few months, and does not let up at all for the present hard times.

THE HALE & NORCROSS Company are putting up their two new engines with all convenient dispatch. The smaller of the two is 60 and the larger 100-horse power. When this new machinery is put to work the company can sink down three or four hundred feet deeper, and all that distance will probably find as rich or richer rock than has yet been taken out of the mine. The ledge is now opened and worked to the depth of about 400 feet. The greater part however would not pay, but hereafter every foot of the ledge is expected to pay largely.

THE OPHIR suspended operations in its main shaft some time since, on account of water, and are now running a drift from the Central Engine Shaft to draw the water from the same. The water is now 50 feet deep in the shaft, and the drift from the Central will relieve it until they complete the construction and erection of a powerful pumping and hoisting engine for that shaft now under way. Work will be renewed again, and prosecuted without farther interruption when that work is completed.

THE CHOLLAR COMPANY which broke the main shaft of its hoisting works, a few days since, has sent to San Francisco for a wrought iron one. The old one was of cast iron. The accident will not only throw a large number of workmen about the mine out of employment, but will probably greatly inconvenience the various mills depending on the mine for a supply of ore for crushing.

CALIFORNIA.

YUBA.—The Marysville *Appeal* of the 16th says that mining progresses steadily at Brown's Valley—stock being firm, and speculation at a dead lock. The Sweet Vengeance Co., the past day or two has been exchanging engines, the original machine being a little weak in the back for the amount of labor imposed upon it. The mill will be running again in a day or two. The Jefferson is going into the bowels of the earth, and hauling out good quartz. The Pennsylvania mill is running this week on its own rock, which is good. At present they do not get out rock sufficient to keep running for themselves, and the spare time is put in on custom work. They will run next week on Yuba rock, which is paying us well, we are informed, as any in the District. The general aspect of mining in the Valley is encouraging.

The same paper of the 20th says:

The Jefferson last week produced $4,700; the Donnehoge, about $2,000; and the Pennsylvania an amount made known to its stockholders. We understand, however, that the rock crushed was of the first quality. The Sweet Vengeance Company is still quiet, the new engine not yet being in place. The business of the town is lively, and Brown's Valley, like the Brown family, is marching on.

NEVADA COUNTY.—We clip the following items from the Nevada *Gazette*:

Mr. Robert McCutchan discovered a vein of rich quartz on Little Wolf creek, near the Canada Hill mill, which he supposes to be an extension of the old Canada Hill lead, the trace of which has been lost at the crossing of the creek. He is having several tons of the rock crushed at the Canada Hill mill, and has obtained from the coppers alone $22 to the ton. It will probably yield not less than $50 per ton when the pans are cleaned up.

QUARTZ MILL AT DIAMOND CREEK.—Mr. Oscar Palmer, of this city, has recently constructed a quartz mill at the head of Diamond Creek, near Omega, in this county. It is an eight-stamp mill, with two of Williams' pans. The ledge is supposed to be a very fine one. It is from two to four feet in width, and so far as prospected will pay from $30 to $50 per ton. The mill is a tip-top one. Mr. Palmer thinks the country in the neighborhood of this mill is full of gold bearing quartz.

The *Gazette* of the 19th says that W. H. Weeks & Co., of Gold Flat, near Nevada, cleaned up at their mill last Saturday, after a two weeks run, crushing 70 tons of rock, $2,400.

THE Downieville *Messenger* says that a great quartz excitement has broken out at Port Wine, some very promising samples of rock having been found a short distance from town.

COAL has been discovered near Salt Lake City, and the article is selling at four dollars per ton!

REESE RIVER.

We condense as follows from the *Reveille*:

BELLE SHIELS.—The Belle Shiels is one of the most convenient claims for examination in the district, being in the city. The shaft is now down more than sixty feet, with a good ledge upwards of a foot in width and producing ore of a very excellent quality.

LOUISIANA LODE.—An incline has been sunk to the depth of thirty feet, finding a well defined lode. The Louisiana is located on Lander Hill.

THE CAMARGO ECLIPSE.—The Camargo Eclipse is on Union Hill, Marshal Cañon, and supposed to be on the same ledge as the Union No. 2, and Eclipse. An incline is now down one hundred and five feet deep where the ledge is between two and three feet broad. Some excellent rock has been taken from the claim.

THE SMITH AND MARTIN LODE has produced exceedingly rich rock near the surface. They are now down 116 feet. We expect that when water is reached some remarkable rich developments will be made.

THE MAGNOLIA is one of the oldest locations on Austin Hill and comprises 420 feet. The claim has been thoroughly prospected and its value is established beyond a doubt. An incline of upwards of eighty feet in depth has been sunk, finding rich chloride rock in its whole course. The claim will now be opened for working by a shaft, now in course of construction, that will be the finest piece of mining workmanship in the district.

Furnace for Roasting Pyrites.

The object of this invention, which has been patented by M. Gerstenhofer, of Freiberg, Germany, is to effect in an economical manner the roasting of crushed pyrites, for the purpose of driving off the contained sulphur therefrom prior to its conversion into sulphuric acid. "To this end," says the inventor, "I construct a furnace or set of furnaces, into which the crushed ore is continuously supplied, and in passing through which it is effectually exposed to the furnace heat, whereby the rapid volatilization of the sulphur is effected. The furnace may be described as a vertical chamber constructed of fire bricks and fitted with a series of horizontal bearers (formed of fire-brick) distributed evenly through the body of the furnace for the purpose of intercepting and thereby distributing the crushed ore as it is discharged through the top of the furnace from suitable feeding boxes. The boxes are provided with girds for arresting the descent of large pieces of ore, and the supply is equally maintained by means of rotating feed rollers mounted in the feed passages in the roof of the furnace. The upper face of the bearers is made flat to receive the ore, and in accumulating on the upper bearers it slides off on to those lower down, and so on until it finally falls to the bottom of the furnace, at which time it is supposed to have parted with its sulphur. In a line with these bearers stoppered openings are provided in the front wall of the furnace for cleaning the bearers if they should become clogged. Their rear ends rest on a hollow partition wall which divides an air-heating flue or chamber from the furnace proper. This chamber is provided with a series of horizontal air pipes, the upper one of which is connected with the upper end of a vertical flue in the partition wall and the lower end with a flue in connection with a cold air chamber built below the furnace. This cold air chamber is fed by a blower or other suitable means, and is made capable of discharging air either into the furnace directly or into the air pipes. Level with the floor of the furnace is an opening closed by a door for withdrawing the burned ore, and a little way above this opening, a removable grate is fitted for heating the furnace. The temperature of the furnace having been raised to the desired point by the consumption of fuel on this grate, the grate is withdrawn, and the opening that admitted it, closed. The crushed ore is now supplied to the furnace, and air is forced through the system of pipes and flues described, until it enters the furnace below the fire-brick bearers. In its traverse it becomes heated, and flowing up the furnace carries off the sulphur fumes. The mingled gases then descend the air chamber before mentioned, heating in their descent the pipes containing the fresh supply of air. The gases then pass off to a large chamber where they deposit the dust which they have carried over prior to being conducted to the sulphuric acid chambers."

FREE MASONS may be curious to know their strength in the world's population. From very accurate statistics, we can state that in the New and Old World there are 8,258 lodges, with 400,000 active members. The number of non-active and those who have withdrawn is nearly 3,000,000.

NOTWITHSTANDING the immense production of quicksilver at the Almaden and other mines in this State, the article is imported from the East.

Middle Life.

It is perhaps with some shade of sadness that one comes to rank himself in middle life. Slowly it dawns upon him, reluctantly he admits it. It is no sense of growing old that touches him, no flagging of the powers of the spirit, not even the taunt of that opprobrious epithet now-a-days flippantly flung at middle life—for the *fogy* is not the old, but the middle-aged man; but one finds that, with the fuller flesh, and firmer muscle, and stronger tread, and truer poise of his faculties—while yet his sympathies are all young and fresh, while yet he waits to follow where older and wiser lead—the world waits and looks to him—pushes him forward where he hesitates, until he discovers, that no longer looked upon as young, he must take his place in the toiling and exposed van, and hew the way in which other steps shall tread.

The character of middle life is the character of the man. It is that by which he is known, that by which he makes his mark, that by which he does his good or evil; it is the character he carries with him into age and into the dread presence of his Maker. Middle life makes for us what God himself could not give. The bright visions of youth are past. Sorrows, disappointments, griefs, have overtaken us, and we are made to see how solemn and how real a thing it is to live, how vain and weak and ignorant is the unsupported soul of man. Amid trials and toils, the attendant witnesses of a Father's discipline and oversight, amid defeats which each day testify to our insufficient principle, our advancing years lend us. Shall all this pass us as the breeze passes the wheatfield, leaving it standing and smiling as before? Shall we not have gained some steadiness, some stateliness of character, some other reverence than ourselves, some other dependence? Shall the old frivolity still cleave in us—the garb of childhood on the frame of man—the old love and pursuit of pleasure—the old, often vanquished, self-confidence? Shall we be growing into years with all the frippery of childhood lingering about our hearts, our manners, our hopes, our attainments? Not so, middle life is for better things; for the casting off of the childish and unworthy, for the putting on of the whole man, even of the man after Christ. Saddest of all sad sights, is to see the probation of a human soul wearing towards its noon, while no deepening tinge to character proclaims the ripening within, while all things say how closely and wilfully it clings to its grosser delights. Old age is not of necessity, beautiful. All do not know the secret of the art of growing old gracefully. It is an art which middle life works at and perfects. The secret lies back there. Serene and waiting and beloved age is the result of honorable and virtuous middle life; and age, querulous, exacting, burdensome to itself and others, is the product of selfish, frivolous middle life.

A NEW discovery, or rather application, of photography has been made by W. S. Shirras of Aberdeen, Scotland, who is busy transferring photographs from paper to china. The portraits are quite perfect. We may now expect to see household tea-services adorned with the likenesses of our friends.

A HEAVY HAIL STORM visited Indian Valley in Washington Territory, lately, the hail falling to a depth of four inches. Barley and oat crops were beaten down level with the ground. One ranch was damaged to the amount of some $6,000.

IN Austin, Reese River, one hundred and eighty houses have been built since January last, at a cost of $365,645. If times are dull over there, Austin improves almost as fast as Sacramento.

THE Nevada Constitution, if the people adopt it, will allow the Legislature to issue $3,000,000 worth of bonds and give them to the Pacific Railroad, the company to expend the amount within the bounds of Nevada

SANITARY.—At Howland Flat, the letter of Dr. Bellows, acknowledging the first remittance was handsomely framed and sold at auction for $302 60. Howland Flat has contributed to this noble fund, $2,095.00.

LEARN how to pursue true success from the blind man, who never makes a step without first examining the ground with his staff.

THERE is a machine in Bangor (Me.) for planting potatoes. It opens the furrow and cuts, drops and covers at the same time.

THE Rothschilds it is said have made arrangements to purchase all the Italian railways.

STANTON is said to be perpetrating an official history of the war in sixty volumes.

THE total cost of the monitors built and being built, will be about $22,150,000.

THE "original pop-corn man" of Springfield, Mass., has been drafted.

Mechanical and Patent Department.

WORKING STEAM EXPANSIVELY.

So much interest is being taken, at this time, in the theory of working steam expansively, that any information, tending to throw more light upon the subject, cannot fail to be interesting to every intelligent reader. Some time since, government appointed a commission to initiate a series of experiments for the purpose of fully and fairly testing the theory. It is now about one year since this commission was appointed, and at the latest dates from New York we are told that up to that time nothing had been done, except to decide upon the method, and prepare the apparatus for conducting the experiments. The preparations are almost completed. They are to be conducted in a building on Fourteenth street, New York.

If we are not mistaken, the Engineer in-Chief, of the navy, has pronounced decidedly against the expansive use of steam, and the principle is strictly ignored by that department. The commission above alluded to, owes its origin, we believe, to a conviction on the part of many practical engineers, both in the navy and out of it, that the Chief Engineer has been too hasty in his decision, and that the experiments upon which that opinion was founded were not properly conducted. It is also more than hinted that ignorance or perverseness with regard to the proper and economical use of steam, is the great secret of the ill-success of our navy, in its efforts to rid the ocean of the rebel privateers, which have been, and are now, working such sad havoc with our mercantile marine.

It moreover appears that while the government has been pushing its slow coach in this direction, private enterprise has intervened, and actually solved the problem by a practical test on a large scale. Some New York capitalists have built a steamer of two thousand tons burthen, working on the expansion principle, known as the *Foh Kein*, and placed her in the Chinese waters, where she has had an opportunity to try her powers with a rivil steamer, the Kir Shan, owned by another Company. The two steamers started at the same time from Whampoa, for Hongkong, a distance of about eighty-five miles. The Foh Kein made the distance in four hours and forty-five minutes, beating her rival some eight or ten miles in the race, and averaging about 17½ miles per hour, a speed superior to the average made by the Sound steamers, between New York and Fall River, and using only forty per cent. as much coal. She carried from twenty-six to thirty pounds of steam, cutting off at two feet six inches, making twenty-four revolutions per minute, and burning only one and three-fourths tons of coal per hour. The cut-off arrangement is said to work beautifully. This is considered a great triumph of the expansion theory. The result of the government trial in New York will soon be made known, and we propose giving a full report of the same in the columns of the Press.

New Method of Illumination.—M. Subra, professor of mathematics, has invented a new method of illumination, or rather a method of inverting flame, by the adoption of which several advantages are expected to be realized. The apparatus consists of a syphon of glass, the open ends of which are turned upwards; a burner is placed just within the shorter branch. Before lighting the lamp, the longer branch of the syphon is heated, and a current of air established, which carries with it any flame placed at the open end of the shorter branch, the flame, consequently, becoming inverted. As soon as the current is established, and the burner kindled, the heating of the longer leg may be discontinued, the current once established, being sustained by the heat from the inverted flame. The advantages of this new arrangement are as follows: The supports of the globes or lamp-glasses are placed above the flame, and do not intercept the light; the reflectors, also, are in no danger of becoming blackened by smoke, and they collect rays that otherwise would be lost in the air. The flame has a more elevated temperature on account of the heat being concentrated by the syphon, and the carbon consequently more incandescent. The products of combustion are collected in the syphon, and may be conveyed away, instead of vitiating the air of the apartment. It is proposed to employ these reversed flames as foot-lights for theaters, the advantages, such as safety, &c., being obvious.

Induration of Iron.—The iron work of the new bridge at Blackfriars is to be indurated by a process patented by Messrs. Morewood & Co., and is alike important from the great cost which will be incurred, and the testing of a rather abstruse chemical formula for the preservation of iron from oxidation and decay. The process is as follows:—"The iron is to be thoroughly cleaned, and heated to the requisite temperature in a furnace planned by the inventors. When this temperature is attained, it is to be plunged into a bath of prussite of potash and chloride of potassium, in a molten state, so that when the iron is withdrawn it may easily part with the surplus of the aforesaid chemicals, which should run off like oil. The iron is then to be dipped into boiling water, containing a certain proportion of cyanide of potassium; from thence it is removed to a bath for a final washing, and set up on end to dry. All the processes are to be carried on under cover, and before exposure to the atmosphere the iron is to be coated with an asphaltum paint twice, at given intervals; and again it is to receive two coats after fixing. Of course, all the necessary planing, drilling, and fitting is to be done preparatory to the indurating. The time the iron is to remain in the bath will vary from one to five minutes, according to the weight of the metal to be operated upon. The elaborate character of the process to which the contractor is rigidly bound, will account for the large sum to be expended in carrying out this part of the work; £4 per ton is allowed to the contractor for the induration and painting; Messrs. Morewood will receive from the contractors 5s. per ton as their royalty, which it is estimated will be £1,000. Thus £16,000 is to be spent in this effort to prevent oxidation, no greater proof of which, in its damaging results, can be offered than the case of the cleaning of the oxide (or rust) from the Menai Bridge, from which has lately been removed about 40 tons of oxide of iron."—*London Mechanics' Magazine.*

Mode of Silvering Wood.—Take strong alcohol or spirits of turpentine in a glass vessel, and add to it a piece of phosphorus (a common corked vial will answer the purpose); the vessel must now be placed in hot water for a few minutes, and occasionally shaken; by this means the alcohol will take up about a three-hundreth part of its bulk of phosphorus. Next procure a weak solution of nitrate of silver, place it in a flat dish or saucer; the face of the wood must now be dipped in this solution, and let it remain a few minutes to allow capillary attraction to draw it into the wood. This operation being performed a small portion of the solution of phosphorus must be placed in a capsule or watch-glass, and this placed on a sand-bath that it may gradually evaporate. The wood must now be held with its surface over the vapor, and an immediate change takes place; the nitrate of glass is decomposed, and gives place to metallic silver. When the material to be acted on is not very large, fasten it to the top of a bell-glass receiver, with a bit of pitch or cement, and placed thus over the capsule on the sand-bath; the phosphorus vapor is by this means equally diffused, and not dissipated. A solution of phosphorus in sulphuric ether also answers; and a solution of gold (chloride) may be used. This elegant process as applied to wood and those substances which may be wetted with the solution of nitrate of silver, answer perfectly; but it is obviously limited in its application to those substances which will absorb an aqueous solution.

Patent Fishing Lamp.—A Mr. Fanshaw, of England, has invented a patent lamp for fishing, which is thought by practical fishermen to be of great value. It is a well known fact that light has a great attraction for fish, and that fishermen therefore use it to allure them toward their nets. But these have always been placed on the top of the boats. By Mr. Fanshaw's invention, a lamp can be let down some twelve feet or more into the water, and so allure the fish to a greater depth than has hitherto been practicable.

The fisherman on the Rhone, have long been accustomed to wade into the water at night with a knife and a water tight lamp. They place the lamp under water, and the trout will soon follow it. As the fish come up to the surface of the water, the fisherman kills them with his knife.

A Chance for Inventors.—It is said that 1200 dozen of eggs are used every week, in New York and vicinity, for albumenizing paper for photographs. It has been suggested that chemists should turn their attention to devising some economical method of separating the albumen from the blood of animals slaughtered for the markets of that city, by which this enormous loss of hen fruit might be avoided, and a great waste in another direction be turned to profitable account.

Portable Breastworks.—Edward Fay, of this city, says the Petaluma *Argus*, has exhibited to us the model of a portable breastwork which he designs bringing to the notice of military men. It is placed upon two wheels, and is designed for the protection of infantry, each section affording ample protection to four men, either in advance or retreat movement. It is certainly an ingenious contrivance, and one that in many cases could not fail to be of practical utility; but whether or no it could be rendered sufficiently general in its use to entitle it to a place among the munitions of war, of course we are not qualified to decide.

Every one will recollect the facility with which hemp bales were extemporized into portable breastworks at the siege of Lexington, Missouri, in the early part of the war, and the efficiency with which they were used on that memorable occasion. There can be no doubt but that such means of defence might be made of great advantage under certain circumstances.

English Appreciation.—Two officers of high rank in the English navy were recently sent across the Atlantic to enquire into and report upon the merits of the American monitors. It is now stated that these gentlemen have recommended to the English Admiralty the adoption of three of the principal features of our iron-clads, neither of which has as yet entered into English naval architecture, viz:—the Erriesson turret, the compressors used in working the heavy guns carried by our monitors, and the ventilating system adopted by our iron-clads.

The Human Heart as an Engine of Mechanical Power.—A learned German professor says that the human body viewed as a calorific engine simply, is capable of doing much more work in comparison with the fuel consumed, than any steam engine ever constructed. The pulsations of the heart in one hour generate a force which would raise that organ 22,000 feet high in a certain time, while the same amount of heat in the best constructed engine could not raise the weight of the engine more than 2,700.

A New Alloy, described as applicable to the manufacture of all metal articles, bells, hammers, anvils, rails, and non-cutting tools has been patented by Mr. M. H. Mieolon, of Paris. The alloy consists of iron with manganese or borax. The patentee takes 20 parts of iron turnings of tin waste, 80 parts of steel, 4 parts of manganese, and 4 parts of borax; but these proportions may be varied. When it is desired to increase the tenacity of the alloy, 2 or three parts of wolfram are added. When the cupola is ready, the iron and steel are poured in, and then the manganese and borax; finally, the vessel is filled up with coke; the metal is thus in direct contact with the fuel in the cupola, and by quickly running the fused mass into moulds, bells which possess the sonority of silver, while the cost is less than bronze, may be obtained.

Condensation on the Surface of all Solids.—Professor Magnus describes in *Poggendorf's Annalen* a series of delicate experiments made by him, from which he concludes that all substances, however different they may be, are raised in temperatures when air comes in contact with them which is moister than that surrounding them; and that they are depressed in temperature when they are exposed to air which is dryer than that by which they are surrounded. The most various vapors condense on the surface of solid bodies in such quantity as to cause an appreciable elevation of temperature; (and from this it follows that) at all times there is at the surface of bodies a layer of condensed vapor, which is larger or smaller according to the hygrometic state of the atmosphere.

Improved Pump.—Captain Harrison, the veteran Mare Island Pilot, has received from the Patent Office, at Washington, letters patent on the different improvements embraced in his caveat upon his "Eccentric Pump," an invention of great practical value to ship owners and miners requiring powerful pumping apparatus. This pump was fully described and illustrated in the Mining and Scientific Press of

Prince Alfred is very popular in England, more so than the Prince of Wales. He has a mechanical turn, and indulges in a lathe which he works with great skill. He plays on the violin and harmonium, smokes with grace and among his companions is a prime favorite.

An Ounce Weight and a Tun Weight.

An ounce weight and a tun weight of iron will fall down a pit with equal speed and in equal time. Until about 300 years ago, all the learned men in the world disbelieved and denied it. Galileo, an Italian taught the contrary to the popular belief. The University of Pisa challenged him to the proof. The leaning tower of that city was just the place for such an experiment. Two balls were obtained and weighed, and one was found to be exactly double the weight of the other. Both were taken to the top. All Pisa looked on, and crowds of dignitaries were confident that young Galileo, then obscure and despised, but honored and immortalized now, would be proved to be in error. The two balls were dropped at the same instant. Old theory and all the world, said that the large ball, being twice as heavy as the less, must come down in half the time. All eyes watched, and lo! all eyes beheld them strike the earth at the same instant. Men then disbelieved their eyes, and repeated the experiment several times, but each time with the same result. The little ball was big enough to destroy a theory of 2000 years old; and had it been little as a pea, it would have destroyed it just as well, or even more quickly.

But how was this? Did not the earth draw down the large ball, which was double the weight of the smaller, with double force? Yes, truly; but in drawing down the large ball there was a double force of resistance to be overcome, and as the two forces acted in given proportion on the large ball, and in the same proportion on the less, the velocity of the two was equal, though in bulk they were unequal. Let us suppose there was to be two wagons, one with a load of five tuns, and the other ten tuns, and that the unequal loads are drawn by an equal horse power—should not their speed be equal, though their weight is unequal? No. There must be a double horse power to draw the double weight, to obtain equal speed. Let a ten-pound weight and a one-pound weight fall at the same time, and the earth must draw down the heavier weight with ten times greater force that they may have equal speed, and it does so. A tun weight of iron, and an ounce weight, leaving the top of a pit, at the same instant, would, therefore, at the same instant fall to the bottom.

The Barometer.—Many private persons consult the barometer, and see it daily, and are surprised to find that they cannot rely on its indications, especially on those of the unscientific wheel barometer, with a face like an underdone clock. The fault, however, is not with the instrument, but with those who use it improperly; "th' ap'ratus," as Salem Scudder observes, "can't lie." A few words on the practical use of the weather-glass may be useful. It is an invaluable fact, and too often overlooked, that the state of the air does not show the present but the coming weather, and that the longer the interval between the barometric sign of the change, and the change itself, the longer and more strongly will the altered weather prevail; so the more violent the impending storm, the longer warning does it give of its approach. Indications of approaching change of weather are shown less by the hight of the barometer, than by its rising and falling. Thus the barometer begins to rise considerably before the conclusion of a gale, and foretells an improvement in the weather, though the mercury may still stand low; nevertheless, a steady hight of more than thirty inches is mostly indicative of fine weather and moderate winds.

Either steadiness or *gradual* rising of the mercury indicates settled weather, and continued steadiness with dryness, foretell very fine weather lasting some time. A *rapid* rise of the barometer indicates unsettled weather; a *gradual* fall of one-hundredth of an inch per hour, indicates a gradual change in the weather and moderate rising of the wind; several successive falls to the amount of one-tenth of an inch, indicate a storm *eventually* but not a sudden one; and a gale if the fall continues. These storms are not dangerous, as they can be foretold; but a sudden fall one-tenth of an inch betokens the quick approach of a dangerous tempest. Alternate rising and falling (oscillating) indicates unsettled and threatening weather. When the barometer sinks considerably, wind and rain will follow—from the northward, if the thermometer is low for the season; from the southward, if high. For observing barometric changes, the barometer should be placed at the eye-level, out of the reach of sunshine and of artificial heat, as of fires, and out of the way of gusts of wind. It should be set regularly twice a day by a competent person. A card should be accessible close by, and on it should be registered the indication at each setting.—*Chamber's Journal in Littell's Living Age.*

At a recent wedding in Arizona the bridegroom was in his shirt-sleeves and the bride in her morning dress. The census-taker performed the ceremony, and a great bucket of rye whisky furnished the staple of the wedding feast.

Theory of the Origin of Coal Oil.

It is probable that all instances of solid bitumen found on or beneath the surface of the earth have resulted from the hardening of drops or reservoirs of liquid coal oil. The lumps and crystals of graphite found in the oldest rocks, like the lumps of amber found in the newest, were doubtless oily substances evolved by sand and mud. Flakes of anthracite are found in the center of rock crystal. Gelatinous animals and fucous plants abounded in the ancient seas, and ought to have provided, by their death, plenty of animal and vegetable hydrocarbon for the mineral. The old red sand stone, like more modern formations, presents us, for our cabinets, innumerable flattened fish, converted into bitumen; some in so perfect a state that every scale can be counted, and every sculptured line upon them submitted separately to the microscope; others an undistinguishable mass or daub of tar. Some rocks have been so thoroughly charged with animal dead matter that they emit a fetid odor whenever struck, and are technically known as stinkstones. The bituminous limestones and shales of many different geological ages are so many reservoirs of animal and vegetable oil, produced by the death and slow decomposition of successive floral and faural creations, perhaps principally coralline. The fossiliferous black shales of the central belt of the State of New York underlie Lake Erie, cross Ohio and Kentucky into Tennessee, and return through Indiana and form the beds of Lakes Michigan and Huron. In middle Kentucky the faces of the rocks are smeared and streaked with oil, fried out of them by the sun, so that the surfaces are blackened as if with tar.

Up to the horizon of these black slates, ascending in the column of deposits, gelatinous sea organisms, both animal and vegetable, seem to have constituted the principal, if not the sole, apparatus for generating petroleum. But Dawson has lately discovered in the sandstones over them a true *angiospermous* (having seeds enclosed in a pod) *exogenous* (growing by successive additions to the outside of the wood) tree, not much, if any, lower in the scale of development than those of which our forests are composed. Coniferous trees began also to abound, and coal beds to be deposited in groups. Thence the higher we ascend towards and through the second and the third or great coal measures, the more abundant become the vestiges of fresh water and land vegetation, until in the tree stumps of the coal beds of Nova Scotia we find small land animals. The mosses and ferns, the rushes and reeds, minute and gigantic, of which the coal beds came, suggest the vegetable origin of coal oil. For it is near or between the three systems of coal measures which succeed each other in ascending from the top of the upper silurian to the coal measures proper that the amazing discoveries of subterranean reservoirs of oil had taken place. It is impossible to suppress the suspicion that petroleum is a product of the slow decomposition of vegetable tissue.

But the oil wells are not sunk in coal measures, but through them at the edge of the great coal area. The oil is never found in coal beds; nor have the subterranean reservoirs of oil apparently any connection with coal beds, nor even with coal slates, or bituminous shales or pyroschists, as they are called. Black slate, cannel, fat coal, like lignite, peat and living wood, will yield the oils and gases by distillation, but the geological distinction must be carefully preserved between the free petroleum of the rocks and wells and the distilled petroleum of the old oil works.

The connection of the oil regions with the coal basins of western Pennsylvania and Virginia, eastern Ohio and Kentucky, is, in good measure, a geographical deception. The oil creek rocks, dipping southward, pass 500 or 600 feet below the coal measures. The nearest coal bed to the more northern springs occurs on the highest hill-tops, many miles away. The hills in the vicinity of some of the wells are capped by the conglomerate base of the coal measures at least a hundred feet thick. The shales and sandstones of the valley belong to formations X, IX, and VIII descending, called by the New York geologists the Catskill, Chemung, and Portage groups, extending over all the southern counties of western New York. The southern dip carries down these oil-bearing rocks, and the wells must deepen in the same direction. Mr. Ridgeway reports (July 10, 1862) the lowest oil-bearing sand rock, as capping the hills near Waterford, on Le Boeuff creek, and the same sandstones appear on Big French creek, full of plant remains.

That there is an intimate connection between the character of these sand formations and the character of the oil which issues from them is indubitable. The rule among the miners is, as stated by Mr. Clark in the "Proceedings of the American Philosophical Society," (June, 1862, page 57,) that the harder the rock may be to drill, the lighter in color, purer in quality, and smaller in quantity, will be the oil obtained therefrom; and the softer the rock, the darker and more abundant the oil.

The chemist of the Canada survey, Mr. Hunt, insists strenuously upon the distinction between lignitic and bituminous rocks, inasmuch as some have been disposed" he says, "to regard the former as the source of the bitumen found in nature, which they conceive to have originated from a slow distillation. The result of careful examination of the question has, however, led us to the conclusion that the formation of the one excludes more or less completely that of the other, and that bitumen has been generated under conditions different from those which have transformed organic matters into coal and lignite; and probably, in deep-water deposits, from which atmospheric air was excluded."

Mr. Hunt instances in support of this view, the fact that the highly inflammable pyroschists or black slates of the Utica and Hamilton groups contain no soluble bitumen, and that the Trenton and corniferous limestones at the base of the silurian system are impregnated with petroleum, and give rise to petroleum springs, although no fossil land has been found in them. The fact that a considerable portion of the tissues of the lower marine animals is destitute of nitrogen, and very similar in chemical composition to the woody fiber of plants, forms another link in the chain of reasoning on this distinction between bituminous and lignitic rocks. The black slates, and even the coal beds are, in fact, layers of mud, charged slightly or to excess with lignitic matter, peat, or humus, part of which has assumed the form of glance coal and part the form of mineral charcoal, but almost none of which is soluble in benzole or sulphuret of carbon; whereas these liquids easily dissolve out the ready-formed bitumen from the rocks which may contain them. But whenever a coal bed became a repository of dead fish, like the eight-foot coal at the mouth of Yellow creek, at the bend of the Ohio, or as in the case of the two-foot stratum of phosphatic iron-ore deposited between the two benches of the Deep River coal-bed, at Egypt, in North Carolina—how different an aspect the mineral then wears, glossy with soluble bitumen!

Mr. Hunt argues with much force that the mere fact that intermediate strata, porous enough to absorb all the floating bitumen in their vicinity are nevertheless destitute of any, is enough to prove that the accumulations of oil now furnishing the world with light, never came from the sub-volcanic distillations of the beds of coal in their neighborhood, but that the mineral has been generated by the transformation of organic matter in the strata where it is. Mr. Wall has shown that the asphalt of Trinidad and Venezuela (belonging however to a much later—upper miocene or lower pliocene—tertiary age) occurs in limestones, sandstones, and shales, associated with beds of lignite or fossil wood, and is confined to particular strata which were originally shales containing vegetable remains which have undergone "a special mineralization, producing a bituminous matter instead of coal or lignite, and not attributable to heat, nor the nature of a distillation, but due to chemical reaction at the ordinary temperature and under the normal conditions of climate." He describes, also, wood partially converted into bitumen, when removed by solution, woody fibre remains.

The theory of the genesis of coal oil is however, far from being cleared up by such facts. It is true that the oil is not found in immediate contact with coal beds made of land or fresh-water plants; but on the other hand, coal oil regions are geographically connected with coal-bed regions, whether of devonian, carboniferous, oolitic, or tertiary age. Coal beds are said to underlie the Rangoon oil wells. Tertiary lignites abound in Trinidad, Venezuela, Lombardy, and middle Asia. The lower devonian horizon (?) of the Canada black-slate oil region yields coal beds in Pennsylvania. The structural difficulties attending the solution of the problem remain.

Fisures are filled with oil, and gas, and salt water, and different wells strike them at different depths. The oil-bearing sand rocks seem charged from top to bottom with gas and blow off at every fissure as it is passed through by the auger. Whence comes this gas, if not by subterranean distillation? It is impossible to postulate the gas first and the oil afterwards; for that order would require the generation of pressure sufficient afterwards, and the oil would be in the condition of a mechanically explosible fluid. The gas must be a subsequent expansion of the oil, as it is in the case of coal-mine fire-damp. Whence, then, comes the oil, and why has it collected in reservoirs? How are such reservoirs preserved, and what is their extent? It is easy, after these questions have been answered, to describe the mechanical propulsion of the oil to the surface, partly by gravity and partly by the pressure of the gas it has itself generated, through natural fissures producing natural springs, or through artificial auger holes. The intermittent action of most of the flowing and spouting wells is like that of the Iceland geysers, where steam is the motive power. The oil men of the Mahoning valley say that more gas is blown off in winter than summer. [The reader will find it interesting in this connection to call to mind the article in our last issue entitled "Cause of the Flow of Oil Wells."—En.]

At the Edenburg well, above referred to, the blast of gas is sometimes violent enough to stop the pumping of the engine for half an hour at a time. Mr. Clark reports a periodicity or daily maximum in the paroxysms. He noticed for several weeks that they recurred with singular regularity a few minutes after eight o'clock in the evening, when the engine was forced to stop for twenty minutes or half an hour.

Petroleum.—The petroleum oil business has assumed a magnitude almost incredible, and the amount of capital now represented by the various operatives in the Oil Creek region of Pennsylvania is immense. Petroleum during the past few years has formed quite an important feature in our exports, and has added in no small degree to pay our indebtedness abroad. The many uses to which it has been adapted has increased the consumption wonderfully, and is perfectly astonishing to those parties who first embarked in the business. American ingenuity and years of experience have assisted in developing the wells to an extent almost beyond the expectations of the most sanguine. The cost of production has been lessened of late by new and more economical machinery. The "petroleum mania" recently seized upon the people, especially of Philadelphia, and a large number of stock companies were formed to work the various wells.

Very many of these companies are under the management of honest and experienced business men, and all such are turning out to be a good investment. It may not be uninteresting to cite a few of the most successful ones. The Columbia Company, at Pittsburg, Pa., have just declared their usual monthly dividend of 50 ₱ cent. on their capital stock. This company is splendidly managed, and owns in fee between 500 and 600 acres of fine oil-producing territory on Oil Creek, extending a mile and three-quarters on the creek. The operations on their lands are quite extensive, and there are some 30 steam-engines which are used in boring and pumping the wells. A great feature of the "Story Farm," owned by the company, is that every well sunk produces oil. The Smoky City Oil Company, of Pittsburg, has declared a dividend of $24 per share, being net profits for six months ending June 1, 1864. The Noble Well Oil Company paid a dividend of 1 ₱ cent. on the capital stock for the month of May.

Interesting Metallurgical Experiments.—A New York correspondent of an evening contemporary writes as follows, under the above head:—Edward A. Kent, an assayist in an assay office in this city, has been for some time engaged in a series of experiments on ores of a pyritous nature, with a view to increase their average yield of gold and silver. Careful assays had long ago established the fact that these ores do not yield to the usual processes of miners even a fourth of the gold they contain; that metal being so blended with copper, zinc or iron, as to defy all attempts to separate even half of it. Mr. Kent, by an entirely original process, first eliminates the baser metals, leaving the gold and silver perfectly obedient to the attraction of quicksilver, and thus easily separable from the rock wherein they were imbedded. By this means, not only are the precious metals wholly abstracted, but there is obtained an ample sufficiency of the baser to pay the entire cost of mining. So signal has been the success of Mr. Kent's experiments that a company has already been formed to purchase his processes at a liberal price and commend them to general adoption. They are deemed especially valuable for Colorado, as a very large proportion of the ores of that Territory are pyritous, and have hitherto been worked with considerable difficulty and to moderate advantage. Should Mr. Kent's discoveries justify present appearances, they will add vastly to the product, and even more amply to the value of the Colorado mines.

Alkaline Stains.—These are the opposite of acid stains—they change vegetable blues to green, red to violet, green to yellow, yellow to brown, and annato to red. They are to be treated with acids. The writer once had a new pair of dark cloth pantaloons changed to a light brown below the knees, by riding on a load of fresh lime in a storm. "Oh! you have ruined your clothes!" was the exclamation; but he deliberately procured a cup of vinegar, and sponging the cloth gradually, completely restored the color, and then again sponging off the compound, left them as good as before.

A Novel Collegiate Institution.—The Rochester, N. Y., "Mercantile College" is conducted upon quite a novel plan, and which is said to operate most satisfactorily in giving pupils a practical knowledge of the routine of business operations, as well as a theoretical acquaintance with the various branches of mercantile education. The College is, in fact, a microcosm of the world of trade. Each pupil upon entering, is established in some business, and has put into his hands vouchers for the different items of property, which are to form his capital; a profusion of theatrical bank-notes, etc. He is expected to carry on various business operations, having his fellow pupils for factors and customers, and to keep an account of all his transactions in the usual style of book-keeping. Connected with the establishment is a bank, the notes of which are good in all the transactions of the college—except the payment of the principal—an insurance office, broker's office, custom house, etc., with all of which each pupil is expected to do business. Thus he learns something of the daily routine of mercantile life, while there is enough of versimilitude in his mock transactions to please his imagination and relieve the tedium of study. The idea seems to be a happy one and it is said that its successful operation is rapidly enriching the proprietor.

Bullion Will Tell.—Although heartless swindlers and crazy operators have brought our mines into disrepute abroad, we are bound to rise again Phœnix-like from the ashes of dead wild-cat. Our country stands on the firm foundation of bullion, and our bullion will tell. The mines of Gold Hill are yielding better than at any time since first opened. The Imperial mine is taking out five times as much metal as at any time in its history; the Belcher is doing much better than ever before, also the Empire and other claims we might name. Folks growl and grumble because times are not as they were last year, when everything was in an unnatural and unhealthy state of inflation. As the flow of this tide in our affairs was unnaturally high, so has the ebb been unnaturally low. The receding wave carries us back further than our proper station, but after a few vibrations—rather distressing, it is true!—we shall stand firmly in our proper position. Our bullion is a good foundation on which to build.—*Territorial Enterprise.*

Connecting the Lakes with the Seaboard.—President Lincoln has communicated to Congress the Report of Charles B. Stewart, Consulting Engineer, upon the improvements to pass gunboats from tide water to the Western Lakes. The engineer assumes that upon the connection of these lakes with the tide water depends the jurisdiction of our Government, our common defense and welfare, and that the Mississippi river should also be connected with the lakes. He gives as the total estimates for improved gunboat locks for the Erie, Oswego, Champlain, Cayuga, and Seneca canals with seven feet of water, over $18,000,000; and with eight feet of water, over $20,000,000; and the cost of a canal around Michigan Falls at from $10,000,000 to $13,000,000. The whole grand enterprise is merely a question of time.

How to Discover Small Pox.—The Electric Journal says concerning this matter: "Now we offer this secret to the profession—as soon as the eruptions appear, by pressing with the point of the finger there may distinctly be felt the small, hard substance, precisely as if a small, fine shot had been placed under the cuticle of the skin. This peculiar appearance belongs to no other eruptive disease. We have applied the term secret, here; for whilst it is, and has been known to a few physicians, it is not mentioned in any of the standard authorities; nor does the writer claim the credit of the discovery. After this all works upon practice will add this unfailing diagnostic symptom."

Returned from Boise.—C. Ralph, John Gin, Martin Cahill, John Nolan, Patrie Tye, and about thirty others, of San Joaquin, returned, a few days ago, from the Boise River mines. They report that emigration from that country will continue, as all that are able to leave are making tracks for California as fast as they can. They have, by stern experience, discovered that "all is not gold that glitters." They state that the mines were always a day's march ahead of them; but in marching far without finding them, they concluded to return to San Joaquin.

Gen. Meade says the wagon trains of the army of the Potomac would reach the distance of sixty-two and a half miles, if placed in a line close together.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

San Francisco:
Saturday Morning, July 23, 1864.

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale. the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

CHANGE OF LITERARY TASTES.

Time was, even in America, when such authors as Spenser, Addison, Fletcher, Shakspeare, Jeremy Taylor, and others of like characters, formed the staple reading of the masses. The shelves of our circulating libraries were then filled, almost exclusively with such standard authors, interspersed with a few books of travel, history, poetry and science. Works of fiction scarcely found a place upon the shelves, and the few exceptions were generally those of a very high character, mostly semi-historical, and more or less instructive. But times are now most sadly changed. The shelves of our popular libraries, at the present day, are crowded with such authors as Dickens, Thackeray, James, Dumas, and others of a poorer stamp It is observable that such books are always well thumbed, and the quarterly reports of the libraries show that full four-fifths of all the works taken out are from among that class of authors; while the standard works, first above mentioned, as well as those of a later day, such as Macaulay, Carlyle, Ruskin, and others of that class, are scarcely soiled. So degenerated has the taste for reading become, during late years, that authors of real merit have, in many instances, to look to government for sinecures, with salaries, upon which they may live, while they tax their brains to produce something which shall afford substantial food for the mind. The public does not hold such world-benefactors in sufficient estimation, to give them even a living, while the authors of yellow covered literature live at ease and roll in pleasure upon the income derived from their publications.

These remarks are equally applicable to newspaper literature. While Bonner's Ledger and most similar periodicals are munificently patronized, with very few exceptions the class of papers devoted especially to useful arts and sciences, and the dissemination of really valuable information, are left to languish upon a bare support, eked out only by the strictest economy and industry on the part of their proprietors The effect of this perversion of literary taste is beginning to be felt quite materially in American society, and its final consequences, if persisted in, must indeed become deplorable.

All Secretaries are invited to send us reports of their company elections, together with any facts which may be of general interest concerning their works.—EDS. PRESS.

MINING SHARE MARKET.

The Mining Share Market exhibited a slight improvement during the first and middle of the week, but only to suffer a still farther relapse at its close. The chief feature of the past six days has been the important decline in the Ophir, which had maintained a marked firmness during the previous weeks of the panic. Savage, Potosi, North Potosi, and the Golden Age and Empire, have improved during the week, while the Imperial and Baltic have fully maintained their previous standing; all other stocks on the list have declined. Full confidence can never again be restored to the stock market, until the general management of our mines is placed upon a more economical basis, and regular reports of progress and prospects at the mines are periodically given by responsible parties, and at frequent intervals. The impression has gone out, and with much show of reason, that the principal mines known in our stock lists have hitherto been carried on chiefly for the benefit of a few managing shareholders, who have used the information which their position has allowed them to accumulate, through considerable periods of time, for their individual benefit, and at the expense of outside stockholders. More economy, and a higher standard of morality must be introduced into the management of mining operations, ere the public will again accord its former degree of confidence to that portion of our mining interest which is represented in those corporate associations which but lately bid fair to prove such an important help to the development of the great leading industry of the Pacific Coast. At present "outsiders" have no inclination to invest, not from any lack of faith in the *mines*, but from a want of confidence in their management under corporate control.

Gould & Curry has been less active, though freely offered at declining rates. Opening at $1,680@$1,700 it closed dull at from $1,550@$1,570. According to outside reports, the receipts of bullion from the mine continue large, and the appearance of the mine in the lower shaft is more promising. When a mine suddenly falls off in its monthly dividends from $125 to $50, without any intimation from its management of any change in the prospects, or any subsequent explanation, the public must necessarily lose confidence in it, as a medium for investment, and hesitate to operate in it with any other than a speculative view.

Ophir, which has steadily maintained itself through the present panic, up to the close of last week, has suddenly given way, and within the last three days, dropped from $700 to 530 cash and $500, seller 30 days. One hundred and fifteen shares were sold yesterday at from $575 cash to $500, seller 30. Work on the company's main shaft has been suspended for the present, owing to the influx of a large flow of water.

Savage has materially improved during the week. It is now held firmly at $1,100; $150 better than last week. This claim is said to be decidedly improving, and turning out a large amount of good ore, with a corresponding yield of bullion. A resumption of payment of dividends is looked for next month.

Chollar suddenly dropped on Monday from $400 to $300, failed to improve any on Tuesday, was quiet on Wednesday and Thursday, but advanced yesterday to $330 and $345, with considerable business.

Potosi was in better request at the commencement of the week, advancing from $950 to $1,050, but declining again on Thursday and Friday to $1.000 and $975. This stock has been quite active at the above figures. It is stated that the receipts of bullion from this mine for the present month are expected to reach $150,000. The mine is reported to be looking exceedingly well.

North Potosi improved materially during the first part of the week, advancing from $50 on Friday last to $70, on Tuesday; it met with considerable business on Wednesday at from $60 to $65, but still further declined yesterday to $50, its closing figure of last week.

North American has gradually declined from about $70 to $40, with a large business.

Baltimore American still further declined from $40 to $34.

Imperial is maintained with considerable steadiness at about previous figures—$145.

Burning Moscow has still further declined from $15 to 10½. It is but little enquired after.

Lady Bryan still continues very active, at a large decline. These shares opened at $8, with a small business, and closed yesterday at $2½ active; 1,817 shares have changed hands since our last issue.

Golden Age and Empire has manifested a slight improvement during the week.

Uncle Sam has been quiet during the week, until last evening, when it was offered at a decline of $75 from previous quotations. It may now be quoted at $325.

Nevada, J. G., has slightly declined from $25 to $22.

Baltic maintains its last week's figures firmly.

Empire Mining company has been heard from at $600; Bullion, G. H., at $45 to $50; California at $16; Blue Ledge at $3.

Real del Monte is quiet; 10 shares have changed hands at $13, and 20 at $9.

Utah has found a single purchaser at $22½, and Antelope one at $40.

Wide West has been heard from at from $7 to $8½, and Sheba at $50.

Live Oak, (copper,) has met with purchasers at from $16 to $22, and Index, Copper, is quoted at $12.

ELECTION OF OFFICERS.

BIG BLUE LEAD G. & S. M. Co.—Meeting, July 18th. Trustees, A. Haraszthy, A. P. Molitor, J. Landsberger, H. J. Park and L. Tickner. President, A. Haraszthy; Secretary. F. Fiedler; Treasurer, A. P. Molitor; Superintend, W. M. Donnell.

COLUMBIA GOLD AND SILVER MINING Co.—Meeting, July 11. Trustees, F. Henderson, John Ferguson, J. A. Jackson, J. D. Fry and Joseph A. Carrie. President, F. Henderson; Secretary, John M. Burnett; Treasurer, J. A. Ralston.

FRANKLIN TUNNEL AND MINING Co.—Meeting, July 15th. Trustees, Peter Johnson. W. M. Seawell, Robert Bell, Edward Cohrn and I. T. Milliken. President, Peter Johnson; Secretary, I. T. Milliken.

FORK GOLD AND SILVER MINING Co.—Meeting, July 18th Trustees, E. N. Fish, R Schultze, M. Winall, Wm. L. Boothby and George E. Crowell. President, E. N. Fish; Secretary, Charles B. Lafitte; Treasurer, S. Silverberg; Superintendent, Charles T. Harris.

GOLD HILL TUNNELING GOLD AND SILVER MINING Co.—Meeting, July 16th. Trustees, S. T. King, Chas. Sutro, P. Torre, P. G. Veuard, A. Genesy, Chas. Pioda and H. Hugnet. President, S. T. King; Secretary, R. Wegener; Treasurer, Chas. Sutro; Superintendent, F. Chappellet.

GOLDEN AGE AND EMPIRE GOLD AND SILVER MINING Co.—Meeting, July 14th. Trustees, J. B. Haggin, Samuel Purdy, E. P. Bowman, C. C. Bowman and Dr. Jno. Hastings. President, J. B. Haggin; Secretary, W. L Bromley; Superintendent, George Benson.

PRIDE OF THE WEST MINING Co.—Meeting, July 14th. Trustees, A. C. Nichols, E. V. Hathaway, Wm. Davenport, F. R. Baby, A. F. Tilden, E. Schultz and L. Herman. President, A. C. Nichols; Secretary, L. D. Ingoldsby.

SOLEDAD PASS COPPER MINING Co.—President, E. Grisar; Secretary, J. H. Rutenberg; Treasurer, H. Barroilher; Superintendent, F. Ahadie.

VEATCH SILVER MINING Co.—Meeting, July 12th. Trustees, E. D. Feusier, F. Mandlehaum, E. W. Hall, A. H. Hagadorn and I. Falkenau. President, E. D. Feusier; Secretary, S. T. King.

WASHINGTON GOLD AND SILVER MINING Co.—Meeting, July 11th. Trustees, A. Holluh, J. H. Welch, H. H. Allen, M. J. Newmark and Wm. Suhlett. President, A. Holluh; Secretary and Treasurer, M. J. Newmark; Superintendent, F. A. Miller.

IRON SHIPS AND IRON CLADS.

We are not aware that any authentic record exists with regard to the time when wrought iron plates were first used for building vessels. Iron barges were certainly used on canals, in Europe, previous to 1800. In 1824, a small iron steamer was built in England, and sailed up the Seine to Paris, under the command of Sir Charles Napier. We notice some authorities have dated this voyage as early as 1821. A paper read by Sir William Fairbairne, Esq., before the Royal Institution, London, in the summer of 1862, dates the occurrence in 1824, and is no doubt correct. This vessel was built by Mr. Manby, of Staffordshire, and is thought to have been the first iron vessel that ever attempted a sea voyage.

From that time to 1830, we hear of no further attempts at iron ship building. In the year last mentioned, a series of experiments was instituted by the Forth and Clyde Canal Company, to ascertain the laws of traction of light boats, at high velocities, on canals. These experiments led to the adoption of iron, instead of wood, as the material of which to construct their boats. Considerable attention was drawn to these experiments, which eventually led to a more extended application of iron in nautical construction.

Lightness being one of the chief points to be gained by the use of wood, steel was soon introduced, as being a material combining the best qualities of both iron and wood—great strength with comparative lightness. The first steel vessel, we believe, was the small steam launch constructed for the Livingston exploring expedition up the Zambesi river, in Africa. The next was the Rainbow, of 160 tons burthen, launched from Mr. Laird's shipyard, in June or July, 1858, and intended for the navigation of the river Niger.

The economy of the application of the principle of iron construction to merchant vessels, of even the largest class, was fully established previous to the experiments with steel; but though often suggested, its application to war vessels, either as as a material of construction or defense, was for some time after held in suspense. It was argued that an iron war vessel must be more dangerous than a wooden one.

The casing of the sides of war vessels, as a means of defense, was first suggested by the present Emperor of France, and put into actual execution in 1854. Iron plated war ships, however, never were looked upon with much favor until Ericsson completely revolutionized the architecture of war vessels, by producing his "Monitor," which, in its famous contest with the Merrimac, fully established the success of this style of vessels, and inaugurated a new era in maritime warfare. As a consequence of that experiment, the huge three-deckers of former days, with their hellying canvass and stately bearing, have been compelled to stand aside and give room for the long, low, black-looking nondescript, "like a cheese-box on a raft," wireing its way along through the water like a sneaking demon, intent upon a covert attack on its enemy. The transformation is not of a very heroic or poetic nature, but it is one of those changes in the progress of the arts which no nation can afford to ignore, and one which, more than anything else, by its very terribleness, will tend to equalize the naval power of nations, and drive war from the seas.

THE BLUE LEDGE.—The stock of this company is still very much depressed. We understand that the new superintendent thinks they have not hitherto had any vein at all but have merely been at work upon small spurs which have now been abandoned. He is now engaged in explorations which he thinks will lead to the true vein. The managers of the company have evidently been very much misled heretofore by the old superintendent, but strong hopes are entertained that under present auspices a workable vein will eventually be developed.

GOLD IN RICHMOND.—According to Richmond papers of June 11th, gold was at that time selling at the rate of sixteen dollars in Confederate currency for one of gold.

HUNTER'S NEW GOLD SAVER.

Mr. Andrew Hunter, of this city, has just completed a working model of a machine for saving gold and pyrites, that presents some novel features which certainly recommend it to favorable notice. The machine combines the characteristics of an amalgamator, a concentrator and separator. It consists of two separate machines, which may be worked together or separately. The first, and that which, when both are used, is placed next the battery consists of a square shaped flat wooden box, into which the pulp is first received. In this box are two sets of rollers of six each made to act backward and forward with reverse motion in close contact with the bottom; the object of which is to rub the quicksilver together, as miners often do in a pan to produce more ready amalgamation of the gold, or to bring the quicksilver and amalgam, from a finely divided state into a collective mass. This, we believe, is something quite new, and we see no reason why it should not become a valuable adjunct to the process of amalgamating.

The pulp is automatically discharged from this into the second machine, which is a modification of the percussion table. The pulp is received near the center, upon a mercurialized copper plate, which is made to swing backward and forward with a kind of percussive motion, derived from a crank in combination with a stiff steel spring. By the peculiar operation of this table, as soon as the pulp reaches it, the heavier portion, consisting of amalgam, fine gold or sulphurets, immediately commences moving up a slight incline, until it is dropped over the edge from the back of the table, while the lighter portion, consisting of the finely pulverized quartz, etc., mostly held in suspension in the water, is made to move in an opposite direction, along a perfectly level portion of the plate until it passes over the front of the machine, accompanied with the chief portion of the water.

This part of the machine has been in practical operation for some considerable time, near Oroville, by the Oroville Mining Company, by whom it is pronounced a complete success. The utility of the first described portion is as yet a theory, never having been tested, but numbers of old quartz miners who have examined it speak confidently of its practicability. It will soon be put to trial by the Oroville Company, in connection with that portion of the apparatus which has already given them the fullest satisfaction. The capacity of one of these machines is considered equal to the separation of the quartz discharged from one battery. The machine is simple in construction, and can be furnished at a moderate price. The frame work in which the machine operates is five feet wide by seven in length and five high, having about eighteen square feet of mercurialized copper plate to each machine. This model has been constructed for the purpose of being exhibited at the approaching Mechanics' Fair, and will in the meantime be placed at some convenient point for public exhibition, of which due notice will be given.

"The Mathematics of Mining."—We shall next week commence a series of articles under the above head, which will be prepared by a well known scientific writer of this city, who has long made the mines of the Pacific coast a study, and who will undoubtedly be able to communicate much which shall have a practical value to all persons engaged in the business of mining.

For the Colorado.—Mr. I. M. Blood, who is largely interested in the Henry & Barnard Copper Mining Co., on the Colorado, leaves on Monday, by the overland mail, on a visit to that mine, and to take a look at the mines generally. He will return by steamer and bring with him another shipment of ore from the mine.

Alpine Silver.—The Alpine *Chronicle* states that the first silver brick from ores worked in that district, made its appearance in Markleeville on Friday the 15th inst. The ore was worked by mill process, and yielded at the rate of $165.39 per ton.

Scorpion Silver Mining Company.—The claims of this Company are located on Scorpion Hill, about half a mile north of Virginia City, and just east of Cedar Hill. The claims of the company consist of thirteen veins, running parallel, and from 300 to 4000 feet distant from each other. The work thus far done consists of a tunnel running into the hill at right angles with the direction of the veins for a distance of 900 feet. Three of the ledges have already been intersected at a depth of about 100 feet from the surface. Several shafts have also been sunk on different portions of the claims for the purpose of developing the several ledges.

The company have recently employed Mr. Cummings Cherry, a mineralogist and mining engineer, to examine and report upon the nature and condition of their claim. Mr. C. has done so, and submitted a lengthy and well written report, in which he gives his reasons, founded upon scientific facts, for the correctness of the company's assumption that the northern extension of the Comstock vein must pass through the ground held by this Company. Whether the theory which Mr. Cherry attempts to establish is correct or not, it appears quite evident that the Scorpion company have a large extent of most promising ground, presenting indications which fully justify a thorough and careful exploration.

The work which has been commenced has thus far been conducted in the right direction. It is the only practical, and decidedly the most economical manner in which the ground can be opened. The character of the ledges already developed, is pronounced by the company's expert as exceedingly favorable, and lacking only depth to give them a working value. As the tunnel progresses the other veins will be opened at a greater depth. The location of the ground is favorable for mining and milling operations. A valuable stream of water has already been developed in the tunnel, which is now selling at the rate of $100 per month.

Important Improvement.—The Sacramento *Star*, of Saturday last, says that in consequence of the great rush of freight, the California Steam Navigation Company will proceed at once to raise the platform at the head of the steamer landing, in Sacramento, preparatory to laying a permanent railroad track through their freight shed and down the bridge to the steamer. A portable track will also be made to connect therewith, to be laid on the steamer, through the gangway. The motive power will be a steam engine, located at the south end of the freight shed. As an index of the amount of freight which is being received by the company, it is stated that the Antelope took up on Friday last, about seven hundred tons, and the Chrysopolis about one hundred and fifty tons. This, of course, was in addition to the Washoe's freight on the same night.

The Excess of Specie Export, this year, over last, is thus far within a fraction of $6,500,000; an increase of about twenty-six per cent. These figures afford a most remarkable commentary on the present panic in the mining stock market. They prove two things:—First, that our *mines* were never in a more healthy condition than at the present time; and second, that the existing panic is simply the result of a reckless system of speculation in mining stocks, without a particle of forethought, involving a single element of ordinary business calculation.

Bullion from Nevada.—During the week ending July 16th, $205,471 worth of bullion was shipped from Nevada. During the week previous $304,750 was shipped. Total for the two weeks, $510,221. This heavy shipment of bullion, under present circumstances, when so little, comparatively, is being done in the two leading mines of the district, is certainly a most gratifying indication of the progress of mining enterprise in Nevada Territory.

Treasure from the North.—The steamer John L. Stephens, which arrived from Victoria and Portland Monday evening, brought treasure to the amount of $263,367 91.

First Manufacture of Humboldt Silver.—Mr. J. H. Neale, of Unionville, has shown us two beautiful silver forks, manufactured, this past week by Mr. Otto Weidero, jeweller, on Montgomery street, from a bar of silver taken from three lbs of ore from the Moonlight ledge, of Humboldt. This we believe, is the first Humboldt Silver, which has been manufactured into any article of use or ornament. The work is creditable to the artificer, and the material highly indicative of a valuable mine of that precious metal. Mr. Neale also brought down several sacks of copper ore, from a copper mine in Humboldt. The ore was from the croppings, where two or three tons a day can be taken out by two men. This ore assayed $21.25 to the ton. Each a mine would be very valuable, if a furnace for reducing the ore to a *regulus* could be erected and worked upon the spot. We understand the proprietors have each a project in view, as material for building the furnace, and an abundance of wood for making charcoal for operating it, can be readily obtained in the immediate locality of the mine.

The La Favorita Mining Co., of Sonora, Mexico, received per steamer Oregon, 47 sacks of choice ore from their mine, also 34 bars of metal, and a quantity of *regulus*, which they will ship to-day per steamer Constitution to Liverpool. Another shipment of the same article is now *en route*, from the mine, to arrive here per next steamer. The company's ledge, running nearly perpendicular, is gradually widening, and the ore is growing richer the deeper the shaft is sunk. Assays of the above, made by Kellogg, Hewston & Co., give the following results:

Bars—Gold, Silver and Copper, per ton of 2000 lbs....	$478 00
Regulus.....	315 30
Ore.....	227 55

An advance on the shipment has been obtained on favorable terms from a private banking house.

The Harmon which was recently quite active in this market, and at one time readily commanded from $40 to $50, can now be bought for $1.00. We understand that the works were neglected by the old Superintendent, and allowed to fill with water. The management has been placed in efficient hands, the mill will be moved from its present location and placed directly at the mine, which will be freed from water and active operations be once more resumed. An assessment of $5 has been levied to meet the expenses of removing the mill and free the company from debt.

"From the Front."—Mr. McMurtrie, one of the California delegates to the late Baltimore Union Convention, writes to a friend in this State, that when he was at the White House he was in hearing of the artillery; but strange to say could not get as reliable news there of the operations of the army, as we get here in the San Francisco papers. In fact the most satisfactory news to be obtained in Washington City of the army operations is from the New York papers.

The Veatch Silver Mining Co., located at Clifton, N. T., have their incline down 60 feet, with a pay streak in the bottom of the same two feet thick. The incline will be carried down 200 feet, and connected with the upper tunnel. We understand that the prospects of the company are very flattering.

No More Racing.—The Commanders of the Sacramento steamers, Chrysopolis and Washoe, have so arranged that there will hereafter be no further provocation for racing. A very sensible course.

The Real del Monte.—An order has been granted to J. J. Robbins, plaintiff, requiring the Real del Monte mining company to show cause why it should not be enjoined from selling stock for the collection of an assessment levied for the purpose of further improving the mine. It appears that stockholders are becoming dissatisfied with the management of the concern, and want to see the end of assessments for "further improvements." The desire is certainly a very reasonable one.

THE INDUSTRIAL EXHIBITION.

We feel that we cannot too often or too earnestly urge upon our mechanics, and all others interested, the importance of prompt and personal exertion to render the forthcoming Exhibition that which all desire and expect to see it—a perfect success, and an important stimulus to California industry. Those who have the preliminary executive management are doing everything reasonable within their power, to make it so; but all their efforts will be powerless unless properly aided by those for whose especial benefit the Exhibition has been planned. Every one who can, should feel it his duty as well as privilege to contribute whatever he can in aid of the enterprise. Let our mechanics and manufacturers and our tradespeople of whatever class or order, begin in season to make their arrangements and preparations. It is none to early to commence now. The Institute appeals to "all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and to forward for Exhibition such articles as they may invent, discover, or make that may be useful, instructive, curious or suggestive."

The invitation is broad and comprehensive, and the object in view to be attained, is noble and useful in an eminent degree. The rules and regulations of the exhibition will be found in our advertising columns, and any farther information, which may be desired on that point may be obtained by addressing William Paton, Corresponding Secretary.

Mining Companies and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

Our Illustration.—We are indebted to the proprietors of the Miners' Foundry for the illustration of "A Model Quartz Mill," which we give upon our first page to-day. The plate has been prepared for their "Annual Circular," and has been kindly loaned to us. It constitutes the best illustration of what the interior of a quartz mill should be, of any engraving which has yet been presented to the public.

The Roads over the mountains are now in most excellent condition, and the stages are making remarkably quick trips. The travel, however, has greatly fallen off, and there are but few teams on the road. Freights are unusually low—from 2½ to 3 cents per pound.

A Bank for Virginia City.—A project is on foot for the establishment of a bank in Virginia City, to be called the "Bank of Nevada." Fifty of the leading merchants, says the *Herald*, propose to subscribe $10,000 each to the enterprise.

The French Coal Mines.—The yield of the French coal mines for 1863 amounted in round numbers to 10,000,000 tons.

Dividend.—The Belliagham Bay Coal Company has declared its monthly dividend, of $38 per share, payable at the office in San Francisco.

Gen. Grant set type sixteen years ago in a printing office in Ohio; Gen. Wadsworth, who was killed in one of the recent battles in Virginia, was a printer; the rebel General Zollicoffer was a printer; in fact the "art preservative" can boast thousands of distinguished participants in this rebellion.

The White Swallow, from New York a few days since, brought about 4500 kegs of blasting powder, the bulk of which was to the Hazard Powder Company.

The mines of Aurora have shipped $669,300 worth of bullion, up to the 1st instant, for this year, being an increase of half a million over last year.

It is said that the Rothchilds are to open a bank in Mexico, with a capital of $60,000,000.

The Masons of Sacramento are taking initiatory steps towards the formation of a stock company for the erection of a Masonic Hall.

DENTAL GOODS!

Dental Importing House.

R. H. McDONALD & CO.,

DRUGGISTS,

Corner Pine and Sansome streets, SAN FRANCISCO.

R. H. McDONALD & CO., DRUGGISTS,

SACRAMENTO.

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

DENTAL AND SURGICAL INSTRUMENTS, TEETH,

Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Pluggers, Scalers, Files.

ROSEWOOD DENTAL CASES,

Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

Dental Books.

We keep constantly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

3-3m R. H. McDONALD & CO., Druggists.

R. H. McDONALD. J. O. SPENCER.

R. H. McDonald & Co.,

WHOLESALE DRUGGISTS,

SACRAMENTO.

R. H. McDonald & Co.,

Cor. of Sansome and Pine Sts.,

SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABLISHment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES,
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS,	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

THE BANK OF CALIFORNIA.

INCORPORATED UNDER THE LAWS OF THE STATE.

Capital Stock, (Paid up in Gold Coin),.....$2,000,000.

WITH THE PRIVILEGE OF INCREASING TO

$5,000,000.

STOCKHOLDERS.

SAN FRANCISCO.

D. O. Mills,	Herman Michels,
Wm. C. Ralston,	Frederick Billings,
R. S. Frotz,	George H. Howard,
J. B. Thomas,	H. F. Teschemacher,
Louis McLane,	A. Hayward,
Asa T. Lawton,	Moses Ellis,
Wm. E. Barron,	A. B. McCreary,
Thos. Bell,	R. M. Jessup,
Jno. O. Earl,	Samuel Knight,
Wm. Norris,	A. C. Henry,
J. Whitney, Jr.,	J. C. Wilmerding,
O. F. Giffin,	Wm. Alvord.
A. J. Pope,	

PORTLAND, OREGON.

Jacob Kamm.

D. O. MILLS, Pres't. WM. C. RALSTON, Cash'r.

Correspondents in New York, LEES & WALLER, No. 33 Pine street.

Correspondents in London, BANK OF LONDON.

THE UNDERSIGNED GIVE NOTICE THAT THE ABOVE named corporation has been organized for the purpose of carrying on the Banking and Exchange Business, in all its branches, in this City and with the interior of this State, the neighboring States and Territories, and with Mexico; also with the Atlantic Cities, Europe, China, and the East Indies; for which they are provided with ample facilities, and in conformity with articles of association will commence operations on the fifth day of July next, at the Banking House now occupied by DONOHOE, RALSTON & CO., corner of Washington and Battery Streets.

With the view of giving to the business of the corporation all the efficiency and promptitude of a private banking firm, together with that confidential seclusion of private business matters so generally desired, the immediate management of its affairs is committed exclusively to D. O. MILLS and WM. C. RALSTON as President and Cashier respectively, to whom, or either of them, the customers of the Bank will apply in all business matters. The regular meetings of the Board of Trustees will take place monthly.

The undersigned deem it advisable to call particular attention to the following peculiarities of their organization, which are positively binding on all its members:

First.—Sales of its Capital Stock can be effected only after due appraisement by Stockholders selected for that special purpose; and the Trustees of the corporation have, in all cases, the right to become purchasers of the Stock appraised at the appraisement, for the benefit of the remaining Stockholders. This restriction is printed upon each Certificate of Stock.

Second.—Loans cannot be made to Stockholders, except upon collaterals other than their Shares in the Capital Stock of this Bank.

Trustees:

D. O. MILLS,	J. B. THOMAS,
LOUIS MCLANE,	THOS. BELL,
WM. NORRIS,	A. J. POPE,
JNO. O. EARL,	O. F. GIFFIN,
HERMAN MICHELS,	JAS. WHITNEY, JR.
W. C. RALSTON,	

San Francisco, June 18th, 1864. 26-1m

NOTICE

To Marble Quarry Owners.

A PARTY HAVING A COMPLETE SET OF MACHINery for Sawing and Polishing Marble, would like to make arrangements for placing the same upon some good Quarry, as near San Francisco as possible, and become part owner of the same.

THE MACHINERY CONSISTS OF TWENTY-FIVE HORSE POWER ENGINE AND BOILER, A TWELVE FOOT RUBBING BED, TWO GANGS SAWS, &c.

If not otherwise disposed of, will be sold low for cash. Enquire at this office. 3-tf

WM. T. COLEMAN & CO.,

70 WALL STREET,

NEW YORK.

BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.

Buy and sell Exchange on California, Oregon and Western Cities.

Grant Letters of Credit, available in any part of the United States.

Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.

Receive consignments of produce from California and Ports in the Pacific.

Make advances upon approved merchandise consigned to our San Francisco house.

Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.

Buy and sell and charter Vessels for all trades.

AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.

Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. of the par value is always required.

We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention.

WM. T. COLEMAN & CO.
70 Wall street, New York,
18v8 And California and Front streets, San Francisco.

Advance Made on Copper Ores,

WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.

WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,

PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco,

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order, they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly, of the city of New York, Joseph A. Donohoe, William C. Ralston, and Ralph S. Fretz of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO., San Francisco, will cease on the first (1st) day of July, 1864. Eugene Kelly and J. A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the Banking House of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, Attorney.)
J. A. DONOHOE,
W. C. RALSTON,
R. S. FRETZ.

San Francisco, June 18th, 1864.

THE UNDERSIGNED HAVE FORMED A COPARTNERship for the transaction of a general Banking and Exchange Business, under the firm name of DONOHOE, KELLY & CO., in San Francisco, and EUGENE KELLY & CO., in New York, commencing July 1st, 1864. Their Banking House in this city will be at the southeast corner of Montgomery and Sacramento steets.

EUGENE KELLY,
JOSEPH A. DONOHOE.

San Francisco, June 15th, 1864. 26-1m

PHILLIPS & CO.,

(Successors to W. H. Baxter & Co.,)

MANUFACTURERS AND IMPORTERS OF

HARNESS AND SADDLES,

BRIDLES, WHIPS, COLLARS, SADDLERY WARE, ETC.,

407 Battery Street, between Clay and Merchant Street, San Francisco.

N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

C. A. CRANE. A. E. CRANE.

CRANE BROS.,

Stock and Exchange Brokers,

No. 614 Montgomery st., Stall No. 5, Stock Exchange, San Francisco.

☞ All kinds of Stocks Bought and Sold on Commission. 14

Palmer's Patent
ARTIFICIAL LEG,

Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

629 Washington Street, San Francisco, Cal: 10v8-1m

BUSWELL & CO.,

Book-Binders, Paper-Rulers,

And Blank-Book Manufacturers.

No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle*.

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE, E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

L. B. FINE. JAMES A. OWENS.

OWENS & FINE,

Mining Secretaries, Real Estate and General Agents,

WILL ATTEND TO DRAWING MINING STOCKS, PAYING ASSESSMENTS, BUYING AND SELLING STOCK LOCATED

IN ALPINE COUNTY.

OFFICE.—Mammoth Hotel, Main Street, between Second and Third, Silver Mountain. 20-3m

G. E. MOORE,

Assayer and Analytical Chemist,

Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.

REFERENCES.—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!

Promptness and Accuracy Secured,

BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!

J. H. CHURCHILL, M. A.,

Consulting Chemist, [from Europe.]

24 Government Block, corner of Sansome and Washington Streets, San Francisco.

Refer to the Editors of this journal.

☞ "HINTS FOR PROSPECTORS" free by post. 1tf

Kustel Brothers'
METTALLURGICAL WORKS;

Bryant Street, Between Third and Fourth, San Francisco.

☞ Office, 418 Montgomery Street. ☜

☞ Gold and Silver Ores Reduced.

Practical Assays made of Gold, Silver and Lead Ores.

19-tf Also Cupellation and Refining of Silver and Gold.

Evening Instruction in Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 10th, 1864. 20

DEETKEN & CO'S

METALLURGICAL WORKS,

FOR THE REDUCTION OF

SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND GOLD,

Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.

WORKS—On the San Bruno Road.

OFFICE—No. 315 Montgomery St., San Francisco. 16tf

NEW FOUNDRY.

SCHWARTZ, SHIELDS & CO.,

ALBANY IRON WORKS,

Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

ARMES & DALLAM,

IMPORTERS AND JOBBERS OF

WOOD AND WILLOW WARE,

Brushes, Twine, Cordage, Etc.,

And Manufacturers of California Pails, Tubs, Brooms, Etc.,

217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

STEEL! STEEL!! STEEL!!!

OCTAGON, 7-8, 1in, 1 1-8,

SQUARE, 3-4, 7-8, 1in, 1 1-8in.

For Sale in lots to suit Purchasers, by

J. S. CURTIS.

Office, 405 Front street, San Francisco. 6v8tf

D. NORCROSS,

MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.

nug17-tf Masonic Temple, No. 6, Post Street.

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.

Office of the Company No. 325 Montgomery street. 1tf

Lloyd's New Amalgamator
Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. E. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 60 pounds of tailings the original ore having been worked by Professor Ryerson's Supercharged Steam Machine, was obtained 15¾ ozs., Ryerson's machine having only got 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. R. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold	$73 33
Silver	42
To the Ton	$73 75

The assay being made by Messrs. Molitor & Co.

From 20 pounds of the same ore, worked for the same party, was obtained:

Gold	$63 30
Silver	04
To the Ton	$63 34

Assay made by Kellogg, Newston & Co.

The mine from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $15 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $53 34.2 per ton; and over the works at the mill, $62 34.2 per ton. Result from 15 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $2.19; silver, $1.52, amounting to $3.71—the—equal to $361.33-100 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Deetken, at his metallurgical works in this city, obtained by the Varney Pan $154 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 68 pounds of ore from the Lady of the Lake Company, Leland Lode, San Francisco District, Arizona Territory, worked for C. W. O. Rowell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $2 6.18-100. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Newston & Co., yielded $7.58-00—equal to $111.60 to the ton. Difference in favor of Lloyd being $114.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and is certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines, can be addressed to the care of Messrs. Kustell Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8 3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the trituration process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

*** These Pans may be seen in daily operation at the Mines' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS, NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 1v8-tf

Vulcan Iron Works Company.

P. TORQUET, Manager.

Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. JONVAL and other Turbine Water Wheels with latest improvements.

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☞ Steam Engines constantly on hand.
Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.
☞ REPAIRING promptly attended to.
DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
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EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
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AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
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Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
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Have Superior Facilities for Making
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A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
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STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.
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Castings of all kinds,
Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF 'SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

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Quartz, Flour and Saw Mills,
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Glassware, French China,
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SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the
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PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.
This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.
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[Removed from Oregon street, between Front and Davis.] j2tf

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IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
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And Feed of all Kinds,
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ARE PREPARED TO WORK GOLD AND SILVER ORES in large or small quantities.
Working assays made of small lots, and all kinds of ores crushed at short notice.
Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
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C. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf

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METALLURGICAL WORKS.
We respectfully inform the mining community in general, that having completed our
NEW SMELTING FURNACES
We are now ready to smelt every kind of Silver and Gold Ores. Parties unable to get satisfactory results by amalgamation, will find it to their interest to have their ore smelted at our works.
LARGE CONTRACTS ACCEPTED AT LOW RATES AND RESULTS GUARANTEED.
Facilities on hand to work all and every kind of Gold and Silver bearing ores as well as it can be done in Europe.
Amalgamation & Chloration
Carried on, on Silver and Gold ores as heretofore.
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☞ References given where required. ☜ 26-3m

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10,000 Shares.....$100 per Share.
A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.
Full Paid and Unassessable Stock,
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Secretary.....W. FISK HITCHCOCK.
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Engineer.....J. E. CLAYTON
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SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg
Office of the Company 328 Montgomery Street. j1tf

Pacific Mail Steamship Company.
THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF JULY, 1864.
July 2—GOLDEN CITY.....Capt. W. F. Lapidge.
July 13—ST. LOUIS.....Capt Wm. H. Hudson.
July 23—CONSTITUTION.....Capt. J. T. Watkins.
From Folsom street Wharf, at nine o'clock A. M., punctually,
FOR PANAMA.
Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.
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FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
No. 44 Leidsdorff street, opposite the What Cheer House,
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Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
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Member of the S. F. Stock and Exchange (1st) Board.
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SAN FRANCISCO.

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J. R. BEARD, STOCK BROKER,
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5v8-tf No. 707 Montgomery street, Brokers Block.

COMMISSIONER OF DEEDS
For Arizona Territory,
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16v8-3m

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
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ORIGINAL MANUFACTURERS OF THE
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THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

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Sixty-Four Rooms and Offices, in Suits or single
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Life Insurance Company,
—OF NEW YORK—
Capital, : : : : : : : $9,750,000.
H. S. HOMANS, Agent for California.
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Coal Creek Coal Mining Company.
Located near Geysorville, Sonoma County, California, containing 320 acres.
CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.
Office of the Company, Room 28 Government Building, corner of Sansome and Washington streets, San Francisco.

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D. S. CUTTER.....Secretary & Treasurer.
TRUSTEES:
JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

Motherless!

What a sad, sorrowful word! How it quivers every tendril of the heart, and darkens the very recesses of the inner being! Motherless! Can a mother hear that word, and not feel a chill creep through her frame? Does it not carry a volume of sorrowful truths with it? Let us go down the hill of life, and read the shadows of the motherless heart—read them in their sternest form; and who can press the dreadful reality to the soul without a shudder? The tiny one waiting for the maternal sympathy, in its little sorrows and disappointments; or stilling its heart cravings by settling down in the cold ways of the world, with impoverished affections, and blunted sensibilities. No mother to answer to the calls of the little tender heart, or banish the blights of life in their early coming; and the life principle develops into maturity, cold, sordid and sinful, and goes forth into the world to be judged by its fruits, none asking if there is beauty in that soul, or dreaming that it was ever susceptible of aught but the laws of sin and erring mortality.

The fragile young girl, just verging into womanhood—stepping forth into the world to grapple with its realities, and no mother to counsel or check the wayward fancies, and lead the heart and affections in the channel of truth and right—who shall condemn rashly the childish errors of the motherless girl? O, no, reader! be gentle. Would your path have been thornless, or unmarked with condemnation, had the wise council and kind precepts of a mother been early called from you? Ah! deal gently with the erring one! Add no dregs to the already bitter cup. Remember that harshness and unsympathizing coldness chills, and "comes down upon the soul like an incubus." By the memory of your dead mother—by the possibility that your child may be motherless, be gentle; and lead tenderly and kindly the youthful, erring heart along the upward path of life, that when she goes forth into the world, your influence may have stamped upon the soul no misery lessons, no memories of saddened childhood, with its blighting effect and impoverished developments. Let her not go forth to mingle in the great drama of life with "motherless" written upon the tablets of her heart and stamped upon her soul.—*Red Bluff Independent.*

MONARCHY OF SLEEP.—The most violent passion and excitement cannot keep even powerful minds from sleep. Alexander the Great slept on the field of Arbela, and Napoleon on that of Austerlitz. Even stripes and tortures cannot keep it off, as criminals have been known to give way to it on the rack. Noises which at first serve to drive it away, soon become indispensable to its existence; thus, a stage coach stopping to change horses wakes all the passengers. The proprietor of an iron forge who slept close to the din of hammers, forges and blast furnaces, would wake if there was any interruption to them during the night; and a sick miller, who had his mills stopped on that account, passed sleepless nights until the mill resumed its usual noise. Homer, in his Illiad, elegantly represents sleep as overcoming all men, and even the gods, except Jupiter.

MR. COE, the Engineer, as he is styled, of the Bank of England, has recently invented a bank note for that institution with a filagree pattern which could not be counterfeited, but it costs too much to be introduced into use. The notes of the Bank of Bengal are covered on one side with what appear to be mere lines, but under the microscope they are found to be repetitions of the value and denomination.

IMMENSE DOCK.—At Birkenhead, opposite Liverpool, England, there is a great float, or dock, which has a water area of 120 acres, and is approached by three great entrances. The principal entrance has gates with a clear opening 100 feet in width. It is not quite finished yet, and the cost thus far has been enormous, being no less than $20,000,000, half of which was wasted in mistakes committed in the early stages of its construction.

MARSEILLES has suddenly become a great cotton market. From the increased cultivation of cotton in Egypt, Turkey, Itsly, and other countries in the Mediterraneau, it seems to supersede Havre, and to become a second Liverpool.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. We congratulate our cotemporary on this sign of prosperity, which we need hardly say, is well merited.—*S. F. Argus.*

RICHARD WEGENER,

Accountant, Mining Secretary,

AND GENERAL AGENT.

No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-1m

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

1-4t W. A. H. TOWN, Secretary.

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

COMMENCES

ON THE FIRST OF JULY, 1864,

WITH

An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,

An Economizer for Mining Advertisers,
A Reliable Reporter for Shareholders.
A Faithful Monitor for Stockdealers,

An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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OFFICE in Government House, Nos. 56 and 57, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly of the city of New York, and Joseph A. Donohoe, Wm. C. Ralston, and Ralph S. Fretz, of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO, San Francisco, will cease on the 1st day of July 1864, Eugene Kelly and Joseph A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly, and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the banking house of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, attorney,)
JOSEPH A. DONOHOE,
WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 13, 1864.

THE UNDERSIGNED, CALLING ATTENTION TO THE above card, give notice that on and after the first day of July next, they will continue the business of the above copartnership without interruption, at the old banking house of Donohoe, Ralston & Co., in this city, under the firm name of FRETZ & RALSTON, and in New York through the agency of Messrs. LEES & WALLER, No. 33 Pine street; and that on and after the 5th day of July next, they, together with D. O. Mills, J. B. Thomas, Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. O. Earl, Wm. Norris, J. Whitney, Jr., O. F. Giffin, A. J. Pope, Herman Michels, Frederick Billings, Geo. H. Howard, H. F. Teschemacher, A. Haywood, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Wimerding and Wm. Alvord of San Francisco, and Jacob Korn, of Portland, Oregon, having become for that purpose duly incorporated under the laws of this State, will carry on the business of banking in all of its various branches at the same place and through the same agency, and upon the basis of a Gold and Silver currency, under the name of

THE BANK OF CALIFORNIA.

D. O. MILLS and WM. C. RALSTON will be charged with the management of the business of the Corporation.

WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 15, 1864. 25-1m.

JUST PUBLISHED,

By H. H. BANCROFT & CO.,

MINING LAWS AND FORMS,

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COMPILED BY H. B. CONGDON.

This edition contains all the Laws of the State of California and of the Territory of Nevada, relative to

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A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

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15v8-3m Golden State Iron Works, San Francisco.

OTIS V. SAWYER,

NOTARY PUBLIC,

And Commissioner for Nevada Territory.

Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. [23 4t] W. W. WIGGINS.

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs, Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY,
Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

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NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent.*

A GREAT INDUSTRIAL FAIR!

—TO BE—

Opened in San Francisco,

—ON THE—

30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Instituta appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other brauch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interests will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE.
H. D. DUNN,	P. B. DEXTER,
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER,
E. N. TORRY,	W. H. BRYAN.
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Mining Notices.

Advertised in Previous Issues.

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.
Office, No. 623 Montgomery street, San Francisco, California. 3-4t

Amador Consolidated Silver Mining Company.

Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of June, 1864, an assessment of Four Dollars per share was duly levied, upon the capital stock of said company, payable on the 27th day of June, 1864, in gold coin of the United States of America, to the Secretary, at the office of the Company, No. 623 Washington street, in the city of San Francisco.

Any stock upon which said assessment shall remain unpaid on the 27th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of August, 1864, to pay the delinquent assessments and cost of advertising and expenses of sale. F. S. CARTER, Secretary.

26-5t Office, 623 Washington street, San Francisco.

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, San Francisco, June 22d, 1864.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held November 2d, 1863, an assessment, No. 1, of twelve and a half (12½) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No 2, of twelve and one-half (12½) cents per share was levied upon the Capital Stock of said Company. Both assessments, Nos. 1 and 2, payable immediately, in United States gold coin to the Treasurer, at the office of said Company, or to John Moffet, Superintendent of said Company, at the mine, in Nevada Territory.

Any stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. JOHN SHAW,

26-5t President.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on tha 29th day of June, 1864, an Assessment of 20 cents per share was levied upon the capital stock of said Company, payable immediately in United States gold coin, to the Secretary, at the office of the company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of tha sala. By order of the Board of Trustees. N. G. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 1-4t

Aspiawall Gold and Silver Mining Company,

Amador District, Lauder County N. T.

Notice.—There are delinquent, upon the following described stock on account of assessment No. 2, of fifty cents per shara, levied June 10th, 1864, the several amounts set opposite the names of the respectiva shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
E E Elliot,	13 53 03—ea 20 shs 60		$30 00
E E Elliott	87 94 97 98—ea 10 sbs 40		20 00
E E Elliott,	99 100 101 102 103 104—ea 5 shs 30		15 00
E F Elliott,	55	15	7 50
G P Sparks,	not issued	55	27 50
G P Sparks	11 57—ea 20 shs 40		20 00
G P Sparks,	58-40 shs		
G P Sparks,	58-10 shs	50	25 00
E E Meeks,	not issued	70	30 00
E E Meeks,	76 79—ea 10 shs 20		10 00
H A Chase	not issued	100	50 00
H F Hunt,	80 81 82 83—ea 10 shs 40		20 00
Richard Roman,	not issued	25	12 50
W D Mathenay,	71-20 shs		
W D Mathenay,	77-5 shs	25	12 50
W D Mathenay,	72 73 74—ea 10 shs 30		15 00
W D Mathenay,	75 76—ea 6 shs 12		6 00
A C Nichols,	38-10 shs		
A C Nichols,	39-15 shs	25	12 50
A C Nichols,	00	100	50 00
Ole Torson,	18	20	10 00
Sam Moore,	22 23 24 25 26—ea 5 shs 25		12 50
Andrew Smith,	50-25 shs		
Andrew Smith,	80- 5 shs	30	15 00
W A White,	52	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, unless payment be made before, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Wednesday, the 3d day of August, 1864, at the hour of 12 o'clock, M., of saidday, to pay said delinquent assessments (fifty cents per share) thereon, together with costs of advertising and expenses of the sale.

A. F. EVERETT, President.

Joseph Healy, Secretary. 3-2t.

Bodie Consolidation Gold and Silver Mining Company, No. 2. Location of Mine, Bodie District, Mono county, California,

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 10th day of June, 1864, payable on the 13th day of July, 1864, and assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W S Bailey,	165	15	7 50
Bailey and Greealy	167	15	7 50
Chas C Bemis,	cert 191 192 199 shs 15 10 5	30	15 00
James Dryson,	450	25	12 50
J A R Child,	545	20	10 00
H L Farrington,	383	13	6 50
H S Farrington,	389	12	6 00
R B Gray,	384	20	10 00
F P Howland,	246	10	5 00
H Horstermann & Co	166	10	5 00
Dan. Hardy,	cert 188 189 413 410 shs 25 25 5 5	00	30 00
W L Higgins,	267	60	30 00
Robin J Jones,	cert 535 554 555 shs 10 25 25		
	cert 556 557 558 559 shs 25 25 20 20		
	cert 560 561 562 563 shs 20 20 20 10		
	cert 564 565 566 567 shs 10 10 10 10		
	cert 568 569 570 571 shs 10 10 10 10		
	cert 572 shs 10	310	155 00
Chas Knapp,	549	5	2 50
Robert McIntyre	415	5	2 50
Daniel Norcross,	414	5	2 50
L W Newell,	cert 435 420 451 452 shs 25 15 15 10	65	32 50
B S Proctor,	cert 297 298 shs 10 10	20	10 00
Jonathan Peel,	cert 479 480 481 shs 25 25 50	100	50 00
O V Sawyer,	112	5	2 50
J H Stearns,	133	20	10 00
D C Somers,	244	10	5 00
Mortimer J Smith, January and June assessments,	382	10	10 00
R W Thompson,	190	10	5 00
H Van Every,	287	20	10 00
Joseph Vangundy,	cert 500 526 shs 30 10	40	20 00

And in accordance with law, and an ordor of the Board of Trustees, made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

A. L. CHAMBERLIN, Secretary.

Office, Southwest of corner Clay and Montgomery streets, San Francisco. 3-3t

Clinton Gold and Silver Mining Company,

Reese River District, Lander County, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 2d day of July, 1864, an Assessment of 50 cents per share was levied upon the capital stock of said Company, payablo on the 2d day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the company, No. 25 Montgomory Block, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 5th day of August, 1864, will he advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 26th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the salo. By order of the Board of Trustees.

F. O. APPLETON, Secretary.

Office, No. 25 Montgomery Block, San Francisco. 2-4t

Chandler Gold and Silver Mining Company,

Palmyra District, N. T.

Notice.—There are delinquent upon the following described Stock, on account of Assessment levied, of 25 cents per share, on the Eighth day of March, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D Frees	53	5	$1 25
D Frees	56	10	2 50
D Frees	57	10	2 50
C F Secor	74	24	6 00
C F Secor	75	5	1 25
Wm J Dailey	9	40	10 00
G Percival	19	20	5 00
G Percival	20	20	5 00
G Percival	21	10	2 50
G Percival	22	10	2 50
G Percival	23	10	2 50
G Percival	24	5	1 25
G Percival	25	5	1 25
Wm R Brown (not issued) Dec. 14, '63		40	10 00
Wm R Brown (not issued) Mar. 8, '64		40	10 00
R Kirk	2	40	10 00
J W Lyon (not issued)		40	10 00
M Ahern (not issued)		20	5 00
M Dailey	65	34	8 50

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by Jerome Rice & Co., No. 327, Montgomery street, San Francisco, on the 3d day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. J. S. MEYER, Secretary.

Office, N. E. Corner Pine & Montgomery. 3-3t

Copp Gold and Silver Mining Company, Sierra District, Humboldt County, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Charlos Jones	22	80	$80
Joseph Warfield	52	50	50
Joseph Warfield	54	25	25
Joseph Warfield	55	25	25
Joseph Warfield	56	25	25
Joseph Warfield	57	25	25
W A Hughes	58	10	10
G S Burrage	59	5	5
C G Tyrrell	61	10	10
G G Tyrrell	62	5	5
C G Tyrrell	63	5	5
A Salamon	64	10	10
A Salamon	65	5	5
A Salamon	60	5	5
A Salamon	67	5	5
G G Tyrrell	68	5	5
A Salamon	69	7	7
A Salamon	70	7	7
D Davidson	76	50	50
W K Spencor	80	20	20
Charles F Williams	81	10	10
W K Spencer	86	10	10
W K Spencer	87	10	10
W K Spencer	83	10	10
E W Heywood	04	25	25
D P Holbrook	95	15	15
G G Tyrrel	06	10	10
Simeon Rosenthrall	106	10	10
Simeon Rosenthrall	107	10	10
Thos. Raper	109	20	20
Joseph Warfield	110	60	60
Joseph Warfield	111	60	60
Richard Hnmphry	112	5	5
Richard Humphry	113	5	5
Richard Humphry	114	15	15
Ewes & Nye	115	10	10
Richard Humphry	116	10	10
T S Mitchell	117	15	15
C H Johnsun	118	35	35
E S Carr	119	6	6
G G Tyrrell	120	5	5
Chas. Jones	123	10	10
N A Cusmherlin	124	24	24
Joseph G Cowden	127	5	5
Joseph Warfield	128	50	50
R N Graves	129	25	25
A Salamon	130	11	11
G G Tyrrell	131	10	10
Dr Clayheurn	132	6	6
John Banhart	133	25	25
W K Spencer	89	20	20
Chas Jones	135	10	10
Chas Jones	137	10	10

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

E. X. FIELD, Secretary.

Office, 509 Clay Street, San Francisco. 3

Constitution Gold and Silver Mining Company,

Lander county, N. T. Office, No. 20, Exchango Building, cor. Washington and Montgomery streets, San Francisco, Cal., June 11th, 1864.

Notice is hereby given, that in accordance with the laws of the State of California, there will he sold at public auction, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on WEDNESDAY, July 13th, 1864, at 11 o'clock A. M., of that day, to the highest bidder, for cash, in U. S. gold coin, so many shares of the Capital Stock of the Constitution Gold and Silver Mining Company standing in the names of the following shareholders as will he necessary for the payment of the Assessments due thereon, together with the expenses of advertisement and sale, unless said Assessments with accruing charges are previously paid, to wit:

Names.	No. Assts.	No. Shares.	Amt.
John Murphy	1 2 3	77	$79 00
Geo Cattermole	1 2 3	246	244 50
Jas S Whittun	1 2 3	104	163 00
W R Barnes	1 2 3	164	163 00
Wm Rose	1 2 3	246	244 50
John A Voatch	1 2 3	82	81 50
H A Wall	1 2 3	82	81 50
E S Davis	1 2 3	41	40 75
O A Palmer	3	102	51 75
E P Peckham	3	77	38 50
J S Kennedy	3	82	41 00
Lymaa Boecher	3	35	15 00
J B Crockett	3	82	41 00
P C Lander	3	82	41 00
Julius Schultz	3	3	1 50
H S Waldron	3	10	5 00

By order of the Board of Trustoos.

24-4t JOS. C. FORD, Secretary.

The above salo is postponed until Saturday, July 23d, 1864, at tho above time and place. By order of the Board of Trustees. (2-3t) JOS. C. FORD, Secretary.

For Sending East, no more valuable or appropriate publication can be selected than the Mining and Scientific Press. For sale by the principal news agents.

Cavour Gold and Silver Mining Company, Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of April, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately in United States gold coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. JOSEPH C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of July, 1864, an assessment of twenty cent per share was levied upon the capital stock of said company, payable on the 6th day of July, 1864, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 8th day of August, 1864, will be advertised on the 13th as delinquent, and unless payment shall be made before, will be sold on the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

JOHN J. SCOTCHLER, Secretary

Office, 204 Front Street, San Francisco, Cal.

July 6, 1864. 2-4t

Dane Gold and Silver Mining Company, Esmeralda.

Notice is hereby given, that at a meeting of the Board of Trustees of the Dane Gold and Silver Mining Company, held on the 5th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 8th day of August next, will he advertised on that day as delinquent, and unless payment be made before, will be sold on Saturday, August 20th, 1864, at 12 M., at the office of the company, to pay assessment, advertising, and expenso of sale. By order of the Trustees.

EDWARD CONNER, Secretary.

Office, 607 Washington Street, July 9. 2-4t

Dexter Tunnel and Mining Company.—Location, Reese River, Nevada Territory.

Notice.—There is delinquent upon the following described stock, on account of an Assessment (No. 2) levied on the 1st day of April, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shs.	Amt.
Betz, H.	102, 103, 104, 105, 106, 107, 108, 109, 110, 111—10 shs ea	100	50 00
Bell, G H.	185	25	12 50
Bell, G H.	186, 187—20 shs ea	40	20 00
Dexter, C H.	72, 73, 74, 75, 76, 77, 78, 79, 80, 81—10 shs ea	100	50 00
Ebert, Geo.	179, 180, 181, 182, 183—10 shs ea	50	25 00
Folz, G.	162, 163, 164, 165, 166—10 shs ea	50	25 00
Gruhler, J.	6	50	25 00
Gruhler, J.	8	10	5 00
Gruhler, J.	9	5	2 50
Gerhardt, C.	132, 133, 134, 135, 136, 137, 138, 140, 141—10 shs ea	90	45 00
Gunther, J B.	177	10	5 00
Henneman, A.	167, 168, 169, 170, 171—10 shs ea	50	25 00
Kapus, Otto.	172, 173, 174, 175, 176—10 shs ea	50	25 00
Kressel, J.	152, 153, 154, 155, 156—10 shs ea	50	25 00
Leisse, H.	127, 128, 129, 130, 131—10 shs ea	50	25 00
Lewis, Oscar.	189, 190, 191, 192, 193, 194, 195, 696, 197, 198—not is'd	100	50 00
Lambert, R.	157, 158, 159, 160, 161—10 shs en	50	25 00
Morrison, J C Jr.	27..not issued	65	32 50
McNulty, C A.	28, 29, 30, 32, 33—10 shs ea	50	25 00
McNulty, C A.	69	5	2 50
Marshall, H.	34	5	2 50
Maguire, Thomas.	50	100	50 00
Master, F A.	147, 148, 149, 150, 151—10 shs ea	50	25 00
Nocden, Wm.	178	10	5 00
Orcar, D.	62, 63, 64, 65, 66, 67, 68, 69, 70, 71—10 shs ea	100	50 00
Ohmert, F W.	112, 113, 114, 115, 116, 117, 118, 119, 120—10 shs ea	90	45 00
Ploschke, Wm.	92, 94, 95, 96, 97, 98, 99, 100, 101—10 shs en	100	50 00
Stevens, W H.	63	10	5 00
Stevens, W H.	54	13	6 50
Shmidt, H.	58	5	2 50
Schmidt, H G C.	82, 83, 84, 85, 86, 87, 89, 90, 91—10 shs on	90	45 00
Schmitthurg, H.	142, 143, 144, 145, 146—10 shs en	50	25 00
Shafer, L.	184	10	5 00
Uhrig, C A.	16	25	12 50
Uhrig, C A.	17	35	17 50
Uhrig, C A.	18	5	2 50
Wolleb, E.	41	5	2 50
Wolleb, E.	42, 43, 44, 45, 46, 47—10 shs en	60	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of April, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

C. H. HORTON, Secretary.

Office, No. 543 Clay street, Golden Era Building, San Francisco. 24-4t

Postponement.—The above Sale is posponed to Monday August 1st, 1864. By order of the Board of Trustees.

C. H. HORTON, Secretary.

San Francisco, July 9th, 1864. 3-3t

Enterprise Copper Mining Company, Empire Ledge, Garden Bar District, Placer County.

Notice is hereby given, that the office or principal place of business of the above Company will be removed on the 15th day of August next, to Lincoln, Placer County.

M. O. ELMORE, Secretary.

San Francisco, July 9th 1864. Office 621 Clay street. 2-4t

Eureka Mill and Mining Company, Big Creek District, Lander County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of July, 1864, an Assessment of Three Dollars and Fifteen Cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Monday, the 8th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees. N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco.

The advertisement of stock delinquent, on the above assessment, is postponed until August 13th, 1864, and the sale thereof is postponed until August 27th, 1864. By order of the Board of Trustees. (2-5t) N. DUPERU, Secretary.

Enterprise Copper Mining Company, Empire Ledge, Garden Bar District, Placer County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessments levied on the 20th day of September, 1863, and the 12th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amt.
Assessment Levied September 20th, 1863.			
Thomas Donahua	66	15	$1 50
John M. Caunon	53	25	2 50
John Cochran	52	25	2 50
Assessment Levied March 12th 1864.			
Thomas Donahua	66	15	7 50
John M. Caunon	53	25	12 50
John Cochran	52	25	12 50
Alfred Bateman	5	100	bal 30 00
	75	25	12 50
Wm Harris,	6	200	100 00
	56, 57, 58, 59, 60, 61, 62, 63, each 25 shares.	200	100 00
James P Dameron	48	100	50 00
J Daly	68	10	bal 4 00
G W Mcloney	67, 69 ea 10 shs	20	bal 80
Bechler & Schwartz	90	34	bal 10 20
Abell & Evans	8, 9, ea 100 shs	200	bal 45 50
D Elsner	10	183	bal 26 60
J Krone	13	133	bal 39 90
V C Putnam	15	200	bal 40 00
E F White	32	100	
	33, 34, 35, 36 ea 25 shs	100	bal 60 00
P Rohlason	37	100	
	38	50	
	39, 40, 41, 42 43, ea 10 shs	50	bal 60 00
Wm Davis	51	25	bal 10 00
J E Kincaid	55	25	bal 10 00
E Livermore	87, 88 ea 50 shs	100	bal 4 00
M Berkowitz	89	50	bal 2 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 9th day of August, 1864, at the hour of 12 o'clock M. of said duy, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. M. O. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 2-4t

Fortune Mining Company, Mineral Springs District, Calaveras County, California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 18th day of June, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 3d day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. THOS. C. McCALLAN, Secretary.

Office, 622 Clay Street, San Francisco. 25-4t

Grosh Consolidated Gold and Silver Mining Company, Storey county. N. T.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Ray,	11	8	$1 60
J H Ray,	159	8	1 60
J H Ray,	211	6	1 20
J H Ray,	228	20	4 00
J H Ray,	229	16	3 20
G W Ryckman Jr	12	10	2 00
G W Ryckman Jr	13	10	2 00
G W Ryckman Jr	14	10	2 00
G W Ryckman Jr	15	10	2 00
G W Ryckman Jr	16	10	2 00
G W Ryckman Jr	17	10	2 00
G W Ryckman Jr	18	10	2 00
G W Ryckman Jr	19	10	2 00
G W Ryckman Jr	20	10	2 00
G W Ryckman Jr	21	10	2 00
G W Ryckman Jr	203	10	2 00
G W Ryckman Jr	204	10	2 00
G W Ryckman Jr	205	10	2 00
G W Ryckman Jr	206	10	2 00
G W Ryckman Jr	207	10	2 00
G W Ryckman Jr	208	10	2 00
G W Ryckman Jr	209	10	2 00
G W Ryckman Jr	211	5	1 00
G W Ryckman Jr	212	5	1 00
G W Ryckman Jr	213	5	1 00
G W Ryckman Jr	214	5	1 00
G W Ryckman Jr	215	5	1 00
G W Ryckman Jr	216	5	1 00
G W Ryckman Jr	217	5	1 00
G W Ryckman Jr	218	5	1 00
A H Gorley	105	3	60
J A Folger	240	10	2 00
Thos O Shaw	107	10	2 00
Thos O Shaw	108	10	2 00
Thos O Shaw	109	30	0 00
Thos O Shaw	110	7	1 40
John Johnson	111	8	1 60
John Johnson	112	8	1 60
John Johnson	113	8	1 60
J J Newsom	230	16	3 20
G Pierson	202	2	40
A Ryckman	23	10	2 00
A Ryckman	24	10	2 00
A Ryckman	25	10	2 00
A Ryckman	20	10	2 00
A Ryckman	27	10	2 00
A Ryckman	22	10	2 00
D M Hosmer	235	25	5 00
D M Hosmer	230	25	5 00
D M Hosmer	237	25	5 00
D M Hosmer	238	10	2 00
E W Willett	239	5	1 00
Wm Jackson	233	5	1 00
James Morgan	234	5	1 00

The following stock is held by certificates under the first issue, previous to the increase of capital stock, with the number of shares to which the respective holdors are entitled, under the new issue, with the amounts due thereon.

John L Samuel	40, 41, 42, 46, 47 48, 49, 51, 53, 55 61, 62, 92, 93, 94 95, 96, 97, 98, 99 100, 101, 103.	351	47 55
Horace Cole	182, 183, 184, 185 186	8	2 40
J L Reed		400	40 12 00
E W Willott	358, 359, 360, 361	6	1 80
John Gorman		362	1 30
E F Northam		377	16 4 80
J H Ray	380, 384, 385,	386	30 9 00
Mrs A M Ransom		383	14 4 20
G W Ryckman Jr	367, 364, 337	335	112 33 60
John Bigler	330, 329, 328, 327	8	2 40
John McHenry	no number	480	144 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company on the 3d day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHAS. H. RYDER, Secretary.

Office, No. 4, Court Block, Clay street, San Francisco. 3

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Auguey, L J	250	30	$30
Bateman, W A	21	10	10
Bateman, W A	29	10	10
Bateman, W A	30	5	5
Beckford, D R	210	5	5
Bloomer, Teresa	91	10	10
Brader, Henry	116	2	2
Bressen, Mclaaie	242	20	20
Brown, S G	137	10	10
Bush, Henry	151	5	5
Carl, H	114	3	3
Campbell, E R	214	5	5
Coles, E W S	181	10	10
Coles, E W S	253	40	40
Crane, A E	255	25	25
Champion, Cons'd M'g Co	254	100	100
Daues, J B	197	20	20
De Long, F C	74	2	2
Doane, J O	250	10	10
Douglass, W F J	198	10	10
Emery, J. G	123	5	5
French, M B	160	25	25
Gifford, Emily	86	1	1
Goff, T A	121	10	10
Goff, T A	122	15	15
Hall, Adalino E	105	10	10
Hammet, Eliza M	219	50	50
Hammet, Eliza M	220	50	50
Heath, James	19	1	1
Heath, James	20	1	1
Heath, James	47	1	1
Henderson, John	202	25	25
Henderson, John	203	5	5
Kipp, A K	234	20	20
Kipp, A K	256	20	20
Locke, S	88	10	10
Locke, S	138	40	40
Locke, S	165	100	100
Looney, Edward	126	3	3
Mathews, L C	235	50	50
McKay, W J	113	2	2
Mc Kenzie, Wm	172	10	10
McKenzie, Wm	194	10	10
McKenzie, Wm	195	20	20
McKenzie, Wm	208	10	10
McKenzie, Wm	211	10	10
McKenzie, Wm	212	10	10
McKenzie, Wm	214	10	10
Miller, John	109	5	5
Miller, W P	136	2	2
Mitchell, J C	75	10	10
Mitchell, J C	233	10	10
Murray, Isaac	149	50	50
Murray, Isaac	169	50	50
Murray, Isaac	170	50	50
Paine, H J	102	330	330
Rand, E M	115	2	2
Scott, Harshaw	106	10	10
Scott, Harshaw	178	5	5
Scott, Harshaw	205	50	50
Spence, Catherine	167	3	3
Spence, William	158	38	38
Stevens, G F	199	5	5
Stevens, G F.	200	5	5
Sweetser, W H	162	20	20
Sweetser, W H	163	20	20
Sweetser, W H	164	20	20
Sweetser, W H	150	12	12
Sweetser, W H	180	20	20
Taylor, E L	68	10	10
Taylor, E L	69	5	5
Taylor, D W	61	50	50
Taylor, D W	62	100	100
Tammeyer, Julius	78	3	3
Tammeyer, Emma G	79	1	1
Weffron, L D	25	5	5
West, W A	73	3	3
Whitney, Mrs F	139	6	6
Wright, I N	201	50	50
Wright, I N	258	10	10

And in accordance with law and an order of the Board of Trustees, made on the 14th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of Sale.

N. G. FRENCH, Secretary.

3-2t Office, 728 Montgomery Street, San Francisco.

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice.-There are delinquent upon the following described stock, on account of assessment levied on the 13th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N A Abbott,	63 64—ea 55 shs	110	$77 00
J C Beideman,	100	30	21 00
Peter Brown,	809	17	11 00
T H Downing,	119	30	21 00
C W Hayden,	318	41	28 70
E R Hawley,	269 270—ea 25 shs	50	35 00
Hopps & McAbee	284	40	28 00
A P Hodgden,	322	15	10 50
A P Hodgden,	323 324—ea 5 shs	10	7 00
T & J Inderstroth	233-10 shs 234-15 shs	25	17 50
A H Jordan,	236 237—ea 25 shs	50	35 00
W H Knapp,	70 71 08—ea 10 shs	30	21 00
W H Knapp,	73 76—ea 15 shs	30	21 00
W H Knapp,	74-20 shs 77-25 shs	45	31 50
H Kilham,	235 236—ea 10 shs 237 238 239 240 241 242—ea 5 shs	50	35 00
C H Mathews,	113	10	7 00
H McCorrister,	152	5	3 50
C F Nolte,	245	20	14 00
J W Sprague,	78 79—ea 60 shs	120	84 00
D W Smith,	325	50	35 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 1st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay Street, San Francisco. 3-2t

Caution.—All persons are cautioned against purchasing Certificates No. 43 for 20 shares, and No. 435 for 3 shares, (unassessable) in the Great Consolidated Boise River Gold and Silver Mining Company, the same having been fraudulently obtained from the subscriber. Transfer of same has been stopped on the books of the company.

J. W. REED.

American and Foreign Patents.—Letters Patent for Inventors can secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

A Good Canvassing Agent Wanted at this Office, immediately, for the interior. None but an active business man with good references, need apply.

Great Western Tunnel and Mining Company, Aurora, N. T.

Notice is hereby given that a Stockholders' Meeting of the above company will be held in this city, in the office of the Company, No. 20 Exchange building, corner Washington and Montgomery streets, on Saturday, August 6th, 1864, at 2 o'clock P. M. By order of the Board of Trustees.

JOSEPH C. FORD, Secretary.

San Francisco, July 1st, 1864. 1

Great Western Tunnel and Mining Company, Aurora, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 27th day of June, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 17th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. JOS. C. FORD, Secretary.

Office, No. 20 Exchange Building, corner Washington and Montgomery streets, San Francisco. 1

Illinois Gold and Silver Mining Company, Smoky Valley District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to Ralph Brown, Superintendent, Carson City, Lander County, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 2d day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. A. WHEELER, Secretary.

Office, No. 1 and 2, Government House, corner Sansome and Washington streets. 3-4t

Imperial Gold and Silver Mining Company, Location, San Francisco District, A. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the above named company, there will be sold at public auction, at the office of the company, No. 410, Montgomery street, San Francisco, on Tuesday, the 2d day of August, 1864, at 2 o'clock P. M., to the highest bidder for Cash in United States Gold Coin, so many shares of the Capital stock of said Company, standing in the names of the following persons, as will be necessary to pay the assessment now due and delinquent thereon, together with all costs accruing for advertising sale, etc.

Assessment No. 1 of 50 cents per share, Levied March 17, 1864.

Names.	No. Certificate.	No. Shares.	Amount.
John Chapman	6	15	$7 50
John Chapman	10	10	5 00
John Chapman	11	10	5 00
John Chapman	12	25	12 50
John Chapman	13	25	12 50
John Chapman	14	25	12 50
John Chapman	33	25	12 50
John Chapman	34	5	2 50
John Chapman	35	5	2 50
John Chapman	47	50	25 00
John Chapman	48	50	25 00
John Chapman	55	5	2 50
John Chapman	66	5	2 50
John Chapman	67	5	2 50
John Chapman	68	5	2 50
John Chapman	70	5	2 50
John Chapman	71	5	2 50
John Chapman	72	50	25 00
John Chapman	73	50	25 00
John Chapman	74	50	25 00
John Chapman	75	50	25 00
John Chapman	76	25	12 50
John Chapman	77	25	12 50
John Chapman	78	25	12 50
John Chapman	79	25	12 50
John Chapman	80	10	5 00
John Chapman	81	10	5 00
John Chapman	82	10	5 00
John Chapman	83	10	5 00
John Chapman	84	50	25 00
John Chapman	86	20	10 00
John Chapman	87	20	10 00
John Chapman	88	20	10 00
John Chapman	89	20	10 00
John Chapman	90	20	10 00
John Chapman	95	50	25 00
John Chapman	96	50	25 00
Rodney Clark	107	500	250 00
Rodney Clark	108	340	170 00
Charles A Hertel	17	50	25 00
Charles A Hertel	18	50	25 00
Charles A Hertel	19	50	25 00
Charles A Hertel	20	50	25 00
Charles A Hertel	21	50	25 00
Charles A Hertel	22	50	25 00
Horace Little	52	50	25 00
Horace Little	53	50	25 00
Horace Little	54	50	25 00
Horace Little	55	50	25 00
Horace Little	56	50	25 00
Horace Little	57	50	25 00
James Rea	53	50	25 00
M M Johnson	26	10	5 00
P Ford	30	25	12 50
M Parker	32	25	12 50
L Teese Jr	106	5	2 50
J T Godfrey	123	5	2 50
A E Tiffany, stock not issued		300	150 00

L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street, Room No. 5. 2-4t

John J. Crittenden Gold and Silver Mining Company, Reese River District, Lander county, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment (No. 2) levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Frank Snow,	4, 5, 53, 64, 55	135	$33 75
Geo W Leet,	23, 24	20	5 00
John Ridgeway,	11, 25, 26, 27 28, 29, 31	120	30 00
E A Isaacs,	54	10	2 50
Samuel Mc Brown,	42	20	5 00
W W Hartman,	40, 43, 44 45 46, 47, 48	120	30 00
Mrs E Hartman,	41	10	2 50
C Nixon,	52	25	6 25
R Hackins,	not issued	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 509 Clay street, San Francisco, on Wednesday, the 3d day of August, 1864, at 10 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. D. B. FRANCIS, Secretary.

Office, 509 Clay street, San Francisco. 3-2t

The *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Kate Lamar Gold and Silver Mining Company, Reese River District, Lauder Co. N. T.

There are delinquent upon the following described stock, on account of assessment number one, levied November 17, 1863, and assessment number two, levied March 21st, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
John Ridgeway,	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,	111¼	$74 00
William Terry,	15, 16, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,	108¾	54 35
Geo. L. Hendricks,	56	8¾	4 38
C S Johnson,	61	10	6 00
A Hartman, Sr.	93	10	5 00
Elizabeth Hartman.	78	5	2 50
Michael Widrow,	79, 80, 81, 82	87½	43 75
Robert Hutchinson,	not issued	10	10 00
W W Hartman,	not issued	40¾	40 63
John McBrown,	not issued	43¾	43 75
H H Pearson.	not issued	21⅞	21 88

And in accordance with law and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the company, No. 26, Montgomery Block, in the city of San Francisco, on the 5th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessments thereon, together with the costs of advertising and expenses of sale.

F. G. APPLETON, Secretary.

Office, No. 26 Montgomery Block. 1-4t

Kelsey Gold and Silver Mining Company, El Dorado County. Office 605 Sacramento street, San Francisco, June 17th, 1864.

The public are cautioned against purchasing stock in this company standing in the names of the following persons, as the same has been sold for delinquent assessments, and cancelled upon the books of the company, viz:

Ole Bergson	J. Ford
A Falk	Andrew Wilson
Sophia Steiger	Jane James
A. E. Shannon	Susan Sweetzer
Joseph Whittle	W. Van Housen
C. H. Killey	Henry E. Brooks
L. Blum	R. D. Scofield
B. F. Butler	G. Israel
C. J. West	E. Maltre
F. W. Bach	E. Cleaves
A. de Castilla	John C. Hall
C. P. Williams	B. Slocumb

S. C. GARDNER.

25-4t Secretary Kelsey O. & S. M. Co.

La Travlata Gold and Silver Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of, July, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 3-4t

Lancaster Gold and Silver Mining Company, Palmyra District, N. T.

Notice.—There are delinquent upon the following described stock on account of assessments levied on the above company, of 25 cents per share, on the 8th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
G Percival	19	20	$5 00
G Percival	20	20	5 00
G Percival	21	10	2 50
G Percival	22	10	2 50
C Percival	23	10	2 50
G Percival	24	5	1 25
G Percival	25	5	1 25
R Kirk	104	36	9 00
M Bailey	65	26	6 50
C F Secor	73	5	1 25
C F Secor	74	28	7 00
Wm R Brown, Dec 14, '63 not issued		40	10 00
Wm R Brown, Mar 8, '64 not issued		40	10 00
J W Lyon (not issued)		40	10 00
M Ahern (not issued		20	5 00

And in accordance with law, and an order of the Board of Trustees made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by Jerome Rice & Co., No. 327 Montgomery street, San Francisco, Cal., on the 3d day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. J. S. MEYER, Secretary.

Office, N. E. Corner Montgomery & Pine, 3-3t.

La Marronena Silver Mining Company.—Trinfo District, Lower California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 10th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Welch	4, 166	24 8-22	121 81
J W Sargeant	8	27 6-22	136 38
Timothy Sargeant	9	13 14-22	68 22
F G Normau	167	11 14-22	58 22
D A Philbrick	33	13 14-22	68 22
Edson Sammis	58	19 15-22	98 68
Mrs Chas E Brownell	154	5 14-22	28 22
Jas F Dorland	39	6 18-22	34 10
L C Grey	105, 106	4 16-22	23 65
J Frank Philips	111, 112, 113, 114, 115, 116, 117	15	75 00
John Bach	128	2	10 00
H G Phillips	163	4	20 00
Samuel Adams	156	2	10 00
P G Sparks	130	1	5 00
H K Curtiss	158	3	15 00
H O Howard	161	5	25 00
Mrs P J Adams	150	3	15 00
O F Tibbetts	14	6 18-22	34 10
David Ross	42	7 20-22	39 55
Susan E Thorne	44	8 4-22	40 90
D S Lord	48, 188, 189	34 1-22	170 22
Geo A Moore	51, 56	2 21-22	14 77
Maria O'Brien	52	2 10-22	12 28
E S Cressy	53	6 4-22	30 90
Edgar Wakeman	54	6 18-22	34 10
E C Mathews	60, 70, 162	5 5-22	31 37
Mrs M H Phillips	120, 191	10 11-22	52 50
James Delany	98	3	15 00
Chester Sahin	100	4 1-2	22 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on SATURDAY the 23d day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

2 Office, of the Company 411 Clay St., San Francisco.

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It it a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice.—There is delinquent, upon the following described Stock, on account of Assessment levied on the 13th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C. Brown,	12	25	$125
J C Beideman,	54	25	125
O W Childs,	49	25	125
H Hubbard,	40	25	125
T R Hayes,	15	50	250
C Hayward,	51	10	50
P L Kraner,	10	25	125
J McMechan	4	50	250
C J. Mosely,	16	25	125
W C Root,	48	25	125
L A Sanderson,	11	25	125
J Tirrell, Jr.,	69	50	250
Francis & Whitney,	71	25	125
Francis & Whitney,	72	25	125

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of June, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the office of the Company, No. 623 Montgomery st., San Francisco, California, on Friday, the 5th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 3-3t

Moscow Gold and Silver Mining Company, Esmeralda.

Notice is hereby given that a meeting of the Stockholders of the Moscow Gold and Silver Mining Company will take place on Monday, August first, 1864, at 4 o'clock P M. All shareholders are requested to be present as business of importance will be brought before the Company. By order of Trustees. OEO. STURTEVANT, Secretary.

1-5t Office, 608 Montgomery street.

Mosquito Quartz Mining Company, Mosquito Onich, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an Assessment of five dollars per share was levied, payable in United States gold coin, and that at a meeting of the Board of Trustees of said company, held on the 11th day of July, 1864, it was ordered that said assessment should be payable on the 13 day of August, 1864, to the Secretary, at the office of the Company, No, 433 Montgomery street, city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 29th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, 433 Montgomery street, in the city and county of San Francisco. 3 4t

McElroy Gold and Silver Mining Company, Pamlyra District, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied of 25 cents per share, on the 8th day of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C Percival,	20	20	$5 00
C Percival,	21	20	5 00
C Percival,	22	10	2 50
G Percival,	23	10	2 50
C Porcival,	24	10	2 50
C Percival,	25	5	1 25
C Porcival,	26	5	1 25
D Frees,	55	5	1 25
D Frees,	58	10	2 50
D Frees,	59	10	2 50
C F Secor,	69	24	6 00
C F Secor,	70	5	1 25
M Bailey,	53	34	8 60
Wm J Bailey,	10	40	10 00
R Kirk,	91	36	9 00
Wm R Brown, not issued, Dec. 14, 1853		40	10 00
Wm R Brown, not issued, March 8, 1864		40	10 00
J W Lyon, not issued, March 8, 1864		40	10 00
M Ahern, not issued, March 8, 1864		20	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, by Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of August, 1864, at 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, N. E. Corner Pine & Montgomery streets. 3-3t

Mount Eden Mining Company—Owen Ledge—Gold Hill District, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 31st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Albin L	11	10	$5 00
Adrienson F C	1	5	2 50
Bauer A J	23	10	5 00
Bauer A J	24	10	5 00
Bauer A J	25	5	2 50
Bakrer S	74	20	10 00
Chisholm John	105	10	5 00
Chisholm John	121	5	2 50
Caldwell Wm B	136	20	10 00
Caldwell Wm B	137	20	10 00
Caldwell Wm B	138	10	5 00
Dockum Jas A	131	10	5 00
Grier John W	123	10	5 00
Harmon John B	79	10	5 00
King Lewis C	95	5	2 50
King John L	96	5	2 50
Kingon Arthur	120	20	10 00
Malge P	46	10	5 00
Malge P	47	10	5 00
Maigo P	48	5	2 50
Payot Henry	6	10	5 00
Payot Henry	7	15	7 50
Rutenberg J H	12	10	5 00
Rutenberg J H	13	10	5 00
Ricard A	17	10	5 00
Shiman J L	133	10	5 00
Victor F J	33	10	5 00
Wood S Heber	90	5	2 50
Libby J G and L W Carr, not issued		250	125 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of John Middleton & Sons, No. 400 Montgomery street, San Francisco, on Monday, the 25th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

H. B. CONGDON, Secretary.

Office, No. 520 Washington street, (Room 3) San Francisco. 2-3t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 9th day of July, 1864, an Assessment (No. 13) of $1 per share was levied upon the capital stock of said Company, payable immediately, in United States currency, to the Secretary, at his office in San Francisco.

Any stock upon which said assessment shall remain unpaid on the 11th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. A. G. WOOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 3-4t

Oxford Beta Tunnel and Mining Company, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an Assessment of fifty (50) cents per share was levied upon the capital stock of said Company, payable on the 12th day of July, 1864, in United States gold coin, to the Secretary, at his office, or to Thomas Lytle, Superintendent, at Aurora, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 3-1t

Point Arena Petroleum Mining Company.

The Stockholders of the Point Arena Petroleum Mining Company are hereby notified that, by order of the Board of Trustees, there will be a meeting of the Company held at the Secretary's office, Room 28 Government House, corner Sansome and Washington streets, San Francisco, on the ninth day of August, 1864, at 7½ o'clock, P. M. A full representation of stock is requested, as important business is to be transacted. Attest, D. S. CUTTER, Secretary.

San Francisco, Cal. July 7th, 1864. 2-3t

Prima Donna Gold and Silver Mining Company.—Location, Devil's Gate District, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 23d day of June, 1864, no Assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable on the 24th day of June, 1864, in United States Gold Coin, to the Secretary, or to Franklin Morgan, at Silver City.

Any stock upon which said Assessment shall remain unpaid on Saturday the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 15th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of sale. By order of the Board of Trustees. H. B. GONDON, Secretary.

Office, No. 630 Washington Street, (Room 3) San Francisco. 26-5t

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 29th day of June, 1864, an Assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 1

Rhode Island Gold and Silver Mining Company, Keys Mining District, Mono county, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on Saturday, the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Adams S K	32	10	$1 50
Adams J S		575	118 75
Blum S P		675	168 75
Butler Margaret	52	50	12 50
Butler Warren O	50	50	12 50
Banket E H	82	30	4 50
Bateman W A	119	5	1 25
Bush Alouzo	151	10	2 50
Carmarlich Geo	73	5	1 25
Carmarlich Geo	74	5	75
Carmarlich Geo	78	5	1 25
Carter W P	63	25	6 25
Chase H A	62	10	2 50
Chadwick W F	35	10	1 50
Colby Alonzo	71	10	1 5
Collins J W	90	5	1 25
Collins J W	7	5	1 25
Collins J W	8	10	2 50
Collins J W	40	25	0 25
Collins J W	87	10	2 50
Dent L M	29	25	6 25
Dunn R D	57	25	6 25
Delatich M	79	15	2 25
Doudy John	102	25	0 25
Doudy John	103	25	6 25
Dieterle H	124	10	1 50
Dieterle H	142	5	1 25
Dieterle H	143	5	1 25
Dieterle H	144	5	1 25
David Eleanor	145	5	1 25
Evans P J	148	10	1 50
Flinn William	36	100	25 00
Flinn William	43	100	25 05
Feunell M	53	75	18 70
Goodwin H E	140	200	50 00
Goodwin H E	141	20	5 05
Gutcher William	115	5	1 20
Gaylord William H	72	10	1 50
Horn Andrew	101	12	3 00
Johnson Geo H	33	25	3 75
Kinsman F	134	1 0	25 00
Kinsman F	135	100	25 00
Kinsman F	136	100	25 00
Kinsman F	137	20	5 00
Kinsman F	138	10	2 50
Kinsman F	139	10	2 50
Kinsman F	154	335	83 75
Kinney James	100	12	3 00
Looser J C	96	5	75
Looser J C	97	5	75
Looser J G	98	5	75
Looser J C	99	5	75
Littleton J	56	25	6 25
Laske S	125	10	2 50
Myrick J W	19	10	2 50
Myrick J W	20	10	2 50
Myrick J W	38	10	1 50
Myrick J W	39	10	2 50
Myrick J W	40	10	2 50
Myrick J W	56	25	6 25
Myrick J W	66	5	1 25
Myrick J W	68	5	1 25
Myrick J W	83	5	1 25
Myrick J W	84	5	1 25
Muhu Anna	48	25	3 26
Muhn Anna	49	25	3 75
Miles M	54	25	6 25
Myrick A G	121	5	1 25
Oldham Frank	17	100	25 00
Oldham Frank	05	15	3 75
Oldham Frank	107	10	2 50
Oldham Frank	108	20	5 0 0
Oldham Frank	109	10	2 50
Oldham Frank	110	10	2 50
Oldham Frank	111	10	2 50
Oldham Frank	112	10	2 50
Oldham Frank	113	10	2 50
Oldham Frank	114	10	2 50
O'Byrne Felix	54	25	0 25
Pollard J	95	10	2 50
Quirk Pierce	150	10	2 5 0
Ryan Thos	123	10	2 50
Rice A W	122	5	1 25
Ransom Leander	58	25	6 25
Reed John	37	50	12 50
Roop George	104	20	5 00
Roop George	105	5	1 25
Roop George	106	10	2 50
Roop George	16	100	25 1 0
Shirley F P	10	5	1 25
Shirley F P	11	10	2 50
Shirley F P	12	25	6 25
Spencer L B	116	10	2 50
Spencer J W	21	25	0 25
Spencer J W	22	15	8 75
Spencer J W	23	25	0 25
Spencer J W	24	25	6 25
Spencer J W	25	10	2 50
Smith J C	152	10	2 50
Shaw F E	153	6	90
Schumaker F	118	10	1 50
Spencer E D	1	5	1 25
Spencer E D	4	20	5 00
Spencer E D	153	375	93 75
Spencer O W	5	10	2 50
Spencer O W	6	20	5 00
Spencer O W	155	445	111 25
Trombey C H	42	25	0 25
Whitlock M Wills	117	11	1 65
Welsh Thomas	51	50	12 50

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of DANIEL SWEENY, 423 Pacific street, on the 30th day of July, 1864, at the hour of 3 o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. W. MYRICK, Secretary.

3-2t Office, No. 526 Montgomery street, San Francisco.

Rubicon Gold & Silver Mining Company, No. 1.
Rubicon Gold & Silver Mining Company, No. 2.
Rubicon Gold & Silver Mining Company, No. 3.
Rubicon Gold & Silver Mining Company, No. 4.
Keys District, Mono County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 21st day of June, 1864, an Assessment of ten cents per share, was levied upon the assessable Capital Stock of said Companies, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said Assessments shall remain unpaid on Saturday, the 23d day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 10th day of August, 1864, to pay the delinquent Assessments, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. J. P. VAN HAGAN, Sec'y.

Office, Rooms 7 & 8, 3d floor, No. 302 Montgomery street San Francisco. 26-4t

POSTPONEMENT.—The advertisement of Stock delinquent on the above assessments is postponed until July 30th, 1864, and the sale thereof is postponed until August 19th, 1864. By order of the Board of Trustees.

4-1t J. P. VAN HAGAN, Secretary.

Rose Matilda Mining Company,
Charter Oak Mining Company,
North Star Mining Company,
Diamond Mining Company, Santa Calahna Island.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Companies, held on the 9th day of July, A. D. 1864, an Assessment (No. 3) of ten cents was levied upon each and every assessable share of the capital Stock of each of said Companies, payable immediately in United States gold or silver coin, to the Secretary, at his office in San Francisco.

Any stock upon which said Assessments shall remain unpaid on the Eleventh day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 27th day of August, 1864, to pay said delinquent Assessments, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner Pine. 3-4t

Steamboat Silver Mining Company, Star District, Humboldt Co., Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 28th day of May, 1864, the amount set opposite the name of the following shareholder:

Name.	No. Certificate.	No. Shares.	Amount.
E O Blair	22	20	$10 00

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of May, 1864, so many Shares of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 2d day of August, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of Sale.

S. O. PUTMAN, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 3-3t

Selleck and Valley Forge Copper Mining Companies, Amador County, Office, 610 Front Street, Room 4, up stairs.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SELLECK COMPANY.

Names.	No. Cert.	No. Shares.	Amt.
John D Demeut,	45 to 49	200	$50 00
G R Gaily,	42 to 45	180	45 00
W Ingersol, 32 to 31 and 169,		175	43 75
S Selleck, 81 to 85, & 149, 150		500	125 00
J W Selleck,	89 to 92	200	50 00
Geo S Ingersoll,	93	25	6 25
G. H. Russell,	135	13	3 25
J Johnson,	137	5	1 25
E Saunders,	177	10	2 50

VALLEY FORGE.

Silas Selleck,	40 to 42 & 94	175	70 00
J. Chamberlin,	not issued	100	40 00
G W Thomas,	69 to 77	100	40 00
W M Huntoon	92	13	3 20
L C Kelley	89	20	8 00

And in accordance with law and an order of the Board of Trustees, made on the 18th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23rd day of July, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale. EDWARD F. BENT.

26-4t Secretary

Schmeltzer Mining Company, American District, Humboldt County, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock, on account of assessment levied on the 11th day of April, and 25th day of August, 1863, the several amounts set opposite the names of the respective shareholders, as follows:

ASSESSMENT NO 1, LEVIED APRIL 11, 1863.

Names.	No. Certificate.	No. Shares.	Amount.
Holt Warren,	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	$10 00
do	do 25	6	1 50
do	do 155	35	8 75
Lathrop, A R	189 & 189½ 100 sh's ea	200	50 00
do	do 190 & 191 50 sh's ea	100	25 00
do	do 192 193 196 197, 25 sh's ea	100	25 00
do	do 194 & 195 10 sh's ea	20	5 00
do	do 199	13	3 25
Brown, John	206	20	5 00
Dikeman, J		186	46 50
Catlin, E	202	40	10 00
Dryden, W R	205	55	13 75

ASSESSMENT NO. 2, LEVIED AUGUST 25, 1863.

Neal, T H	42	1	25
Holt Warren	15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea	40	10 00
do	do 25	6	1 50
do	do 155	35	8 75
Lathrop, A B	189 & 189½ 100 sh's ea	200	50 00
do	do 190 & 191 50 sh's ea	100	25 00
do	do 192 193 196, 197, 25 sh's ea	100	25 00
do	do 194 & 195 10 sh's ea	20	5 00
do	do 199	13	3 25
do	do 198	20	5 00
Barker, B M	157	1	25
do	do 10	10	2 50
do	do 164	25	6 25
Brown, John	163	70	17 50
do	do 206	20	5 00
Schmeltzer, Geo	69	3	75
do	do 26 and 28 5 sh's ea	10	2 50
do	do 20	2	50
do	do 108	15	3 75
Neal, Z H	130	23	5 75
do	do 44 142 143 50 shs' ea	150	37 50
do	do 144	25	6 25
do	do 154	14	3 50
Schmeltzer, John	109 110 111 112 5 sh's ea	20	5 00
do	do 113 111 115 117 10 sh's ea	40	10 00
do	do 118 119 120 121 122 124 15 sh's ea	90	22 50
do	do 123 124 125 21 sh's ea	60	15 00
do	do 6 126 127 25 sh's ea	75	18 75
do	do 131 132 133 100 sh's ea	300	75 00
do	do 129	50	12 50
Bryan, Henry,	32	50	12 50
do	do 33	25	6 25
do	do 36	8	2 00
Davis, W H	9	5	1 25
Ranson L	41	25	6 25
Knapp W H	168	20	5 00
do	do 71 and 72 10 sh's ea	20	5 00
Wolf, J M	60	5	1 25
Pray, I C	92	118	29 50
Douglas J M	76	5	1 25
do	do 63	1	25
do	do 152	10	2 50
Huine Joseph	66	20	5 00
Woodward Wm	79	100	25 00
do	do 74	10	2 50
Christian E J	78	5	1 25
Hayward R	178	90	22 50
McDonald D A	82	10	2 50
Parks W A	83	5	1 25
Bullis E P	91	7	1 75
Whiting W J	96	5	1 25
Hill M M	96	10	2 50
do	do 197	5	1 25
Conolly W J	99	10	2 50
do	do 100	14	3 50
Treadwell J J	101	5	1 25
do	do 180	5	1 25
McDonald Maria B	104	5	1 25
Mayer Robert	107	5	1 25
Hadley D L	139	10	2 50
Hanson L B	153	10	2 50
Brereton J	166	8	2 00
Darnell H Y	167 and 169 10 sh's ea	20	5 00
do	do 159 160 161 162 50 sh's ea	80	20 00
Burdick E B	176	5	1 25
Brown R W	172	5	1 25
Webb F A	177	10	2 50
Bewley A H	179	5	1 25
Trakey E D	181	25	6 25
Robertson W E	184	10	2 50
do	do 182 and 183 25 sh's ea	50	12 50
Welton M	188	5	1 25
Gatlin E	202	40	10 00
Dryden W R	205	55	13 75
McLane J	151	20	5 00
Dikeman Joseph	not issued	186	46 50

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, 621 Clay street, on the 3d day of August, 1864, at the hour of 10, o'clock A. M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary.

Office, 621 Clay street, San Francisco, July 2, 1864. 1-4t

Silver Creek Mining Company, Keyes Mining District, Mono County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessments levied on the 30th, day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Am't.
T H Stevens,	108 to 114, 20 shs. ea,	140	$$ 70 00
T H Stevens,	115 & 116, 5 shs. ea.	10	5 00
Alfred Lucliling,	stock not issued	300	150 00
H W Eddy,	stock not issued	300	150 00
John Evans,	stock not issued	200	100 00
John Evans,	1, 2, 3, 4, 25 shs. ea,	100	50 00
Samuel Millbury,	51 & 52, 100 shs. ea.	200	100 00
J B L Millbury,	54	50	25 00
Henry Bush,	36, 79, 80, 81, 25 sh ea	100	50 00
Henry Bush,	77	100	50 00
Henry Bush,	83 to 97, 10 shs ea	150	75 00
Mrs. J H Nevins,	143	50	25 00
A L Carman,	17	10	5 00
G C Carman,	18	20	10 00
M P Duzinbury,	132	25	12 50
G K Beede,	27	10	5 00
G K Beede,	133	15	7 50
Robt L Hill,	53	50	25 00
E A Saxe,	59 60 61, 50 shs ea	150	75 00
E A Saxe,	62	25	12 50
James J Lyons,	144	12	0 00
Samuel Sellers,	20	20	10 00
Mrs S Sellers,	19	10	5 00
Wm G Sellers,	21	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of May, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the auction rooms of Messrs. Jerome Rice & Co., No. 327, Montgomery street, San Francisco, on Wednesday, the 13th day of July, 1864, at One o'clock P. M. of said day, to pay the delinquent assessments thereon, (being fifty cents per share) together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.

Office, 416 Washington Street, San Francisco, June 25th, 1864. 26-3t

POSTPONEMENT.—The above sale is postponed until Saturday, July 23d, 1864, at the same place and hour. By order of the Board of Trustees. J. F. MILLER, Secretary.

2-2t

Sistera Gold and Silver Mining Company, Augusta District, Lander county, N. T. Office, 406 Front street, San Francisco, June 22, 1864.

Notice is hereby given, that a meeting of the Trustees of said Company, held October 17th, 1863, an Assessment, No. 1, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Also at a meeting of the Trustees of said Company, held March 9th, 1864, an Assessment, No. 2, of fifteen (15) cents per share was levied upon the Capital Stock of said Company. Both Assessments, No. 1, and No. 2, payable immediately, in United States gold coin to the Treasurer at the office of said Company, or to John Moffet, Superintendent, at the mine, in Nevada Territory.

Any stock upon which said Assessments shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 31st day of August, 1864, to pay the delinquent Assessments, together with cost of advertising and expenses of sale.

26-5t J. FRANK MILLER, President.

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of One and Fifty Hundredths ($1.50) Dollars per Share was levied upon the Capital Stock of said Company, payable immediately to the Secretary in United States Gold Coin, at the office of the company in this city.

Any Stock upon which said Assessment shall remain unpaid on the 30th day of July, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 13th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the sale. By order of the Board of Trustees. SAM. P. HOWES, Secretary.

Office, 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 1-5t

Schmeltzer Mining Company, American District, Humboldt County, Nevada Territory.

A Stockholders' meeting of the Schmeltzer Mining Company will be held at the office of the company, 621 Clay st., on Wednesday, the 3d of August, 1864, at 7½ P. M., for the election of officers, and such other business as may be presented. M. G. ELMORE, Secretary.

San Francisco, July 2, 1864. 1-4t

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 13th day of July, 1864, an assessment (No. 7) of $1 per share was levied upon the Capital Stock of said company, payable immediately, in gold coin of the United States of America, to the Secretary, at the office of the company, 627 Clay street, in the city of San Francisco, California, or to J. H. Bradley, Esq., at Pine Grove, Amador county, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 3-4t

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of July, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable on the 16th day of July, 1864, in United States gold coin, to the Secretary, at his office, No. 605 Sacramento street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Wednesday, the 17th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. G. GARDNER, Secretary,

Office, 605, Sacramento Street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 20th, 1864, and the sale thereof is postponed until September 3d, 1864. By order of the Board of Trustees.

3-5t S. C. GARDNER, Secretary.

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an Assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in U. S. gold coin, to the Secretary, or to J. M. Pike, Superintendent, at Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 3-4t

White Mountain Consolidated Gold and Silver Mining Company. Location, White Mountain District Mono County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the Capital Stock of the above named Co., the 6th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount
Atwood E A	not issued	9	$1 35
Arnold Amea	not issued	25	3 10
Ayres Washington	not issued	53	7 95
Albert John	not issued	48	7 20
Burke M J	not issued	26	3 90
Burlington S W	not issued	27	4 05
Billings E P	not issued	53	7 95
Bodwell H H	not issued	26	3 90
Bennett Chas H	not issued	5	75
Caswell Allen	not issued	159	23 85
Culter A S	not issued	53	7 95
Farran J W	not issued	53	7 95
Hill Benj	not issued	53	7 95
Hadley D L	not issued	53	7 95
Hollub A	not issued	53	7 05
Hedge Wm	not issued	106	15 90
Knox Geo T	not issued	26	3 90
Lowell N R	not issued	185	27 75
McNerney John	not issued	106	15 90
Norcross D C	not issued	27	4 05
Nunan Edw	not issued	53	7 95
O'Connor P J	not issued	53	7 95
Spencer A G	not issued	53	7 95
Skidmore W A	not issued	53	7 95

And in accordance with law, and an order of the Board of Trustees, made on the 6th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 23d day of July, 1864, at the hour of 10 o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. F. MILLER, Secretary.

2-2t Office, 416 Washington street, San Francisco.

Warfield Mining Company, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1861, an Assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately to Thatcher Ross, Gold Hill, Placer County, or to the Secretary at the office of the Company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 22d day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. R. K. ALLEN, Secretary

Office, No. 15 Metropolitan Block. 1-5t

New This Week.

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the 18th day of August, 1864, will be declared delinquent, and advertised as such on Saturday, August 20, 1864, and unless payment shall be made before, will be sold on Saturday, the 3d day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, No. 322 Front street, San Francisco. 4-4t

Pena Silver Mining Company, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of three dollars per share was levied upon the assessable stock of said Company, payable on the 22d day of July, 1864, in United States Coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday the 20th day of August, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday, the 3d day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, 411 Clay Street. 4

Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an Assessment of five dollars per share was levied upon the Capital Stock of said Company, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, August 20th, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

4-4t LAWRENCE C. OWEN, Secretary.

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of ten (10) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.

Office, 302 Montgomery street, third floor, room 5, San Francisco. 4

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pals District, Marin County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of July, 1864, an assessment, No. 7, of ten cents per share was levied upon the capital stock of said Company, payable immediately, in U. S. Gold Coin, to the Secretary at his office, or to the Superintendent, Mr. H. N. KERR.

Any stock upon which said assessment shall remain unpaid on Saturday, the 20th day of August, 1864, will be advertised on that day as delinquent and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

B. ROTHSCHILD, Secretary.

4-4t Office, 522 Montgomery street, San Francisco.

Lady of the Lake Gold and Silver Mining Company, San Francisco District, Arizona Territory.

Notice is hereby given, that in accordance with law and an order of the Board or Trustees, there will be sold at public auction, at the office of the company, No. 802 Montgomery street, San Francisco, on Thursday, August 25th, 1864, at 10 o'clock A. M., to the highest bidder for cash, so many shares of the capital stock of the Lady of the Lake Gold and Silver Mining Company, standing in the names of the following persons, as may be necessary, to pay the assessment due thereon, together with expenses of advertising and sale, unless the said assessment and charges are previously paid, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
P B Fagan,	35 36 37 38 39 40 41 42 44	90	$45 00
E M Hall,	2 59	130	65 00
W M Allen,	not issued	190	95 00
H M Cox,	47	20	10 00
O G Webster,	55	100	50 00
*C W C Rowell,	7 8 9 15 16 21	bal 115	67 50
*William Packard,	45	50	25 00

——*Assigned to other parties but not transferred.

4-4t WM. HOLLIS, Secretary.

Quartz Hill Gold Mining Company, Placerville, El Dorado County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 23d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
G Hayward,	not issued	100	$40 00
W A Quarles,	13 14—ea 50	100	40 00
J P Davis,	not issued	40	bal 16 00
R A Davis,	not issued	110	44 00
Merrit Wilton,	not issued	200	80 00

And in accordance with law, and an order of the Board of Trustees, made on the twenty-third day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the company, No. 623 Montgomery street, San Francisco, California, on Wednesday, the 10th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623, Montgomery Street, San Francisco, California. 4

Pacific Powder Mill Company, Marin Co., California.

NOTICE.—A special meeting of the Stockholders of the above Company, will be held at the Office, No. 708 Montgomery Street, San Francisco, on Saturday, the 20th day of August, 1864, at 7 P. M., for the purpose of amending the By-Laws. By order of the Trustees.

4-4t A. H. MEYERPETER, Secretary.

Good Hope Gold and Silver Mining Company, Alpine District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of July, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of August, 1864, in United States Gold Coin, to the Secretary, or to H. Morris, at Markleeville.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco, 4-4t

Standard Gold and Silver Mining Company, Amador Mining District, Lander County, Nevada Territory.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees, there will be sold at public auction, by Cobb & Slaton, No. 406 Montgomery street, San Francisco, on Monday, August 22d, 1864, at 12 o'clock M. of that day, to the highest bidder for cash, in United States gold coin, so many shares of the capital stock of the above named company, standing in the names of the following shareholders, as will be necessary for the payment in full of assessment No. 1, duly levied February 24th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
W J Paugh,	not issued	100	bal due $120 00
C M Bennet,	not issued	80	
	32	10	bal due 176 13

By order of the Board of Trustees.

F. S. CARTER, Secretary.

Office, 623 Washington street, San Francisco. 4-4t

Leland Gold and Silver Mining Company, San Francisco District, Arizona.

NOTICE.—There are delinquent upon the following described stock on account of Assessment No. 1 of 50 cents per share levied January 5th 1864, upon each and every share of the capital stock of the above named company, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Samuel L Theller,	23 45-50 ea	100	$50 00
Samuel L Theller,	67 68-20 ea	40	20 00
C E Levan,	56	20	10 00
E M Hall,	65	130	65 00
P B Fagan,	38	50	25 00
P B Fagan,	40 41 42 43 44-10 ea	50	25 00
W M Allen,	not issued	190	95 00
L P Ward,	74	40	20 00
C W C Rowell,	4	100	50 00
C W C Rowell,	12 15 16 17-10 ea	40	20 00
C W C Rowell,	18	15	7 50

And in accordance with the laws of the State of California, and the order of the Board of Trustees of said company made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 529 Clay street, San Francisco, on Friday, August 26th, 1864, at the hour of 12 o'clock M. of said day, payable in United States gold coin, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. By order.

(4-5t) THEO. A. MUDOE, Secretary.

Cantion.—Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

The following certificates were sold for delinquent assessments on Saturday, July 16, 1864, and will not be transferred on the books of the company:

Certificate	28.....R Bradshaw.....	5 shares
Do	50.....W Hicky.....	5 do
Do	64.....Jos Stansfield.....	40 do
Do	101.....S B Clark.....	10 do
Do	109.....M Fennell.....	25 do
Do	132.....W G Moody.....	165 do
Do	144.....Thomas J Fennear....	5 do

By order of the Board of Trustees.

4 LAWRENCE C. OWEN, Secretary

POWDER!

The California Powder Works,

Office, No. 218 California street.

ARE NOW RECEIVING FROM THEIR MILLS AT SANTA CRUZ, REGULAR AND AMPLE SUPPLIES

—OF—

SUPERIOR

MINING AND BLASTING POWDER,

Which they offer to the trade and to consumers with full guarantee of its quality in all respects.

4-tf J. A. PECK, Agent.

Rules for Advertising Assessments on Saturdays.

Levy your Assessments upon any day Except Friday.

Advertise the Assessment Notice on the First Four Saturdays succeeding the day upon which the assessment is levied.

Appoint the day for advertising the Delinquent Sale on the Fifth Saturday succeeding the date of levying the assessment.

Appoint the Day of Sale on the Seventh Saturday succeeding the date of levying the assessment, or on any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

Mining and Scientific Press Patent Agency,

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for each patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the Mining and Scientific Press. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their cases properly conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: Dewey & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way is to remit by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceed with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, groups, designs or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 y'rs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	60
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer to an injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and validity of patents covered by them, and direct what legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the Judges of the Court of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

Vol. 9—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Insects; Old Without Knowing It; Eating when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

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DEWEY & CO., Publishers.

Office, 57 Government House, Corner Sansome and Washington streets.

Notice of Dividend.

At a meeting of the Trustees of Crescent Quartz Mining Company, held June 20th, 1864, a Dividend of Fifty dollars per share was duly declared, payable on July 1st, 1864, at the Office of the Company, Indian Valley, Plumas County, Cal., or in San Francisco, at the office of Isaac Glazier & Bro., 311 Clay street. [26-4t] WM. A. BOLINGER, Sec'y.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the Mining and Scientific Press on application at the office.

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "slight cold" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. *"Brown's Bronchial Troches"* give almost immediate relief. *Military Officers and Soldiers shou'd have them, as they can be carried in the pocket and taken as occasion requires.* Agents for California,

1-1m REDINGTON & Co., San Francisco.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, JULY 30, 1864.

VOLUME IX. Number 5.

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☞ FOR NEW MINING ADVERTISEMENTS see last page. ☜

FAILING EYESIGHT.

The eye-sight generally begins to fail at from forty to fifty, and is noticed by an instinctive preference for larger print; a seat near a window, for reading, is unwittingly selected; there is an effort to place the paper at a convenient distance from the eye, or to turn it so as to get a particular reflection of the light; next the finger is involuntarily placed under the line read, or there is a winking of the eye as if to clear it, or a looking away at some distant object to rest it; or the fingers are pressed over the lids in the direction of the nose, to remove the surplus water caused by straining. When spectacles are first used, they should not be kept on steadily, only in the early morning, or a cloudy day, or dim light, or with fine print, or sewing. Favor the failing eyesight, especially while reading, as much as possible, by sitting in such a position as to allow the light to fall upon the page obliquely over the shoulder, and by not reading or working in the twilight of the morning or evening. It is an excellent plan, and one which will greatly strengthen the eyes, by devoting a short time each day to looking at distant objects; relief, when the eyes are weary, will come quicker by so doing, than by closing them entirely. Sailors, who are constantly on the lookout for distant land or ships, seldom have poor eyesight. The same is true of people who spend much of their time abroad, in the fields, etc. It is a lack of this exercise for the eyes, rather than an over use of them, that makes poor eyesight so common among students and sedentary persons. Sore eyes are as common, and perhaps more so, among out door than in-door people.

It is a good plan to pass the balls of the fingers occasionally over the closed eyelids, in a downward direction. This action carries off any excess of water into the nose. Wash the eyes freely every morning. If cold water is used, do not allow it to enter the eyes, but wash the closed eyelid. It is beneficial to immerse them in warm water, and open and close them several times, the warm water acting as a solvent upon any particles of hardened matter that may have collected about the lids, and is soothing and grateful to the eye generally. The temperature of the feet affects the eyes, as well as every other part of the body; always keep them dry and warm, so as to prevent an undue accumulation of blood on the brain, as it always seriously affects the eyes. The moment the eyes feel tired, give them rest; you cannot overtask them with impunity.

[Written for the Mining and Scientific Press.]

A Daily Press Glutted Even to Blindness.

"Better is the poor man that walketh in his integrity, than he that is perverse in his lips, and is a fool."—*Proverbs.*

The question often arises to my mind, why will people kill the goose that lays the golden egg? The fabled eagerness of him who gutted his bird is explained by his thirst after riches being so great that he could not wait for the slow goose to lay the eggs that were to bring him wealth, but wanted many eggs or great riches at once. Our modern goose killer, with less judgment or discrimination than the fabled one, guts his bird, having apparently no object to attain by so doing, excepting, perhaps, the gratification of his propensity for ridicule or destructiveness.

This idea has been suggested by the thoughtless course pursued by many of our people and also frequently, too frequently, by the daily press. We find the moment a mining enterprise is mentioned in the hearing of many they ridicule it at once, setting down the originator as visionary in his undertaking or as a dishonest speculator in wild cat stocks. Almost any article burlesquing the great industrial pursuit of our coast, readily finds a place in the columns of our daily press, and an article describing the works of a profitable mine would scarcely find a paper to print it; a suspicion that the article was written for speculative purposes would debar it at once. Local-itemizers, and half-fed Bohemians gobble up with rapidity any trifling occurrence upon which they can base a sensational article "ventilating the stupendous swindling transactions" of mining corporations. In most of these articles directors, secretaries and superintendents are "handled without gloves," and represented as growing fat on assessments filched from the pockets of gullable shareholders. All varieties of gross ridicule and caricaturing are indulged in, and generally the reader is left to infer that ALL mining incorporations are South Sea Bubbles or grand swindling schemes, and that most mines exist only in the imagination of the shareholders, and furthermore that most assessments are divided, *pro rata*, or otherwise, among the sharp "insiders." From this class of shallow writers nothing better can be looked for, they never having an idea beyond a few far fetched puns, at a penny a line, and as for understanding the resources of a country or the chief pursuits from which a people derive their wealth and prosperity, that must not be expected from them; their education having been neither commercial nor financial. They are not fit to criticise any schemes tending to the advancement and general benefiting of a community. Their forte is to announce. It is a more serious undertaking to instruct and substantially benefit a people. Flippancy of style in the construction of newspaper items, caricaturing, punning and *badinage*, all have their effect on readers whose minds are not well balanced, and often prove a powerful lever in overthrowing the most beneficial of industrial enterprises.

We most assuredly have the right to expect that the proprietors or chief editors of the press on this coast should understand that we owe our very existence, as Californians, mainly to our mines, and that to discourage mining undertakings, indiscriminately, is seriously sapping our vitality. If it is their aim to encourage our people in their legitimate vocations, they should rigidly adhere to a course tending to the rapid development, rather than the retarding of our mining interests. They should learn to discriminate between Montgomery street gambling, and honest mining, and in no instance to condemn in so general a manner, by ridicule or otherwise, all mining enterprise.

Stock gambling is an unavoidable evil that all communities will sometimes indulge in, and particularly should it be an object of our press to discourage all such gambling without mistaking it for the gains or losses to be derived from mining and thereby tending to keep capital from our mines. Look over the columns of our daily papers and you will find them filled largely with mining advertisements. After having noted this fact, examine the reading matter and you will scarcely fail to find articles of various kinds tending directly or indirectly to discourage the very parties assessed to pay for these advertisements. The paper solicitor was anxious to secure these very advertisements, and will dun a poor secretary to death, if any of the companies are unable to pay. Pursuing such a course is killing the goose that laid the golden egg, from mere wantonness, and after the reading of such suicidal articles or squibs on mining, as appear daily, well might one be convinced of the truth of the proverb, "He that answereth a matter before he heareth it, it is folly and shame unto him."

Our great misfortune is that we have in our zeal undertaken to develop more mines than we have capital to go on with. Very few really "Wild Cat," or bogus mining companies have ever enforced their assessments in California or on this coast; but to read our papers, Eastern and European capitalists, whose aid we require, might infer that the majority of our mines are "Wild Cat" speculations and that we possess only a few really valuable ones. Give us more capital to lubricate the working of our mines and this mad dog cry of "Wild Cat" will soon be hushed.

Judicious investments, backed by the proper amount of ability and perseverance will pay large returns. This fact should be promulgated, all legitimate mining undertakings encouraged by it, and as we are only now in the primary class, as miners, *the founding of mining schools* in this State should be strongly advocated by our press, that the rising generation may have graduates and professors of the arts of mining and reduction of ores, to enrich our community. When this shall have been done we may look for the brightest period in mining history. I would ask some of these scoffers at mines and mining enterprises if the silver regions of Washoe, Reese River, Humboldt, Mono, Coso, Kern River, Catalina Island and others from the mouth of the Colorado, and along the western slope of the Sierra Nevada, and the auriferous states and territories are objects of humbug and ridicule, or if they are not the living reality of the day dreams of the hardy miner, awaiting only the magic touch of capital to yield a flow of untold wealth into the lap of commerce? If there are skeptics who doubt this fact, they will be answered by the present and future prosperity of California and neighboring states and territories, and in their shipments of coin and bullion by each steamer. With a proper perseverance in our mining operations, and faith in our own undertakings, we shall never again be annoyed by a crisis or panic such as now depresses our community.

DON AUGUSTINE.

THE CHIEF LOCAL EXCITEMENT of the week, in this city has been the arrest of C. L. Weller, formerly Postmaster here, and chairman of the Democratic State Committee. The arrest was a military one and Mr. W. has been sent to Fort Alcatraz.

[Written for the Mining and Scientific Press.]

THE MATHEMATICS OF MINING.

EDITORS MINING PRESS:—The business of mining, the world over, is looked upon as precarious and uncertain and in view of the experience of the past two years the all but universal sentiment of the people of this city is in perfect accord therewith. Periodically we are afflicted with some new excitements. We who have been here since '49 can recall "Gold Bluff" where there were reported millions lying around loose upon the shore. There were nineteen members in the company, and the secretary estimated there was just $43,000,000 apiece at a low figure. We had a mining mania then, sure, for a time. We also had the "Gold Lake" excitement, Kern River, and Frazer River, with an occasion relapse between, and of late Washoe and Reese River, and a final explosion of the bubble, bringing desolation and poverty to many a hitherto happy home. As an intelligent people we are now asking ourselves if this business is inevitably thus precarious? If there are not some definite principles which are to be depended upon, to guide us in this pursuit?

The aim and scope of these articles will be to show that there are some first principles, on which we can depend for guidance. That the maxim of the uneducated miner that "where it is, there it is" is unjust to himself and his calling, inasmuch as it is virtually folding of the hands and declaring that nothing more can be done to divest this calling of its precariousness. It may not be said that our ill success is all ill success for the result of this amount of labor done will doubtless result in such an elaborate array of facts pertaining to the metals and the rocks that we shall be able as I think to so arrange the facts pertaining to successful and unsuccessful mining, as to be able to educe correct principles which will be our safe guide in all our future mineral explorations; and if in time to come we can point to successes as the result of the discoveries of these principles, then all our present labor will not have been in vain.

The business of mining, in its very nature, is dealing with earth and matter, and hence we need to know all that is known or may be known about the earth's surface, its rocks and their chemical composition, and their various relations, all of which is included under the general head of geology. As the word implies, *geo*, the earth, and *logos*, a discourse or reasoning, even so we need to reason about the rocks and metals and their uniform relations; and if from facts we can establish any uniform, fixed principles on which we can depend, even as two and two make four, or even approximate thereto, we may conclude that we have made a beginning of the science of mining, and that the day may come when we may be able to place it upon a basis somewhat mathematical.

It must be confessed that the exponents of the science of geology have done very little to advance the interests of mining. Miners have looked to geologists to answer difficult question, and to achieve successes, in view of their

superior knowledge; but their achievements have failed to be commensurate with their pretensions, until the miner now is but too ready to scout and ridicule all the proffered aid of geology. What we in reality need is practice and theory conjoined, geology or rather geognosy applied to mining.

Geology is a reasoning about the formation of the earth and the materials of which it is composed, and their order and position and relations, and the result is a knowledge of facts or geognosy, and as a mining people we need to know the self-evident relations of rocks and metals or the geognosy of mining.

I purpose in these articles to examine gold, silver and copper mining and their associate rocks, true and false ledges, topography, geology, and shall somewhat describe the rocks of the slope of the Sierra Nevada from the summit to the valley. Shall describe the rocks and metals of Mt. Diablo and the Coast Range, show the geology of coal, where it is to be found and how, and the outward indications of metals and coal, and shall, as needed, illustrate the various points of importance by diagrams.

The rocks of the earth's surface may be divided into three general classes, viz.: primary, volcanic and secondary. The primary rocks are deemed only those which composed the earth's crust when it cooled down from its supposed original molten state. I shall waive all discussion of this question of cosmogony, and accept this view as true. The volcanic rocks or traps are called intrusive as they are supposed to have come up at a later period, intruding themselves, by volcanic force from below, through and among the primitive and secondary rocks of the earth's surface. The secondary are presumed to be composed of the debris of the other rocks modified in their appearance by volcanic heat and aqueous action and possibly by other collateral causes.

First, the primitive rocks are of various kinds. If we examine them in the field, among the minerals, we find granite, talcose slate, hornblendic slate, micacious rock, serpentine and many modifications of these rocks or traps. We find greenstone, porphyry, marble, granitic, black and talcose traps and their modifications, basalts, obsidians, &c.

The secondary rocks will be described with coal. With these primitive and volcanic rocks, everywhere, we find the metals, gold, silver and copper. If we examine the rocks from the summit of the Sierra to the valley, we find on the summit, granite. A few miles west, say 30 miles (I am quite sure there are changes in that 30 miles, but cannot verify them now) we find micacious rock, (primitive) next a belt of marble (trap) 1,500 feet wide and beside it, on the west, a mine of peacock copper ore one of the finest mines in the State and then granite (primitive) for miles in extent; then still proceeding westerly we find hornblendic slates, marble again, a very wide belt, and probably copper with it again—a few weeks will determine—then talcose slate, for two miles, then talcose traps, a narrow belt, beside which is found a true gold mine. Passing on west one mile, over talcose slate, we find greenstone trap, and as we advance it changes gradually to granitic trap. It continues for four to six miles, when granite appears again and continues on westerly for several miles, and so on, greenstone trap and talcose slate and marble with copper; and thus on through various changes of primitive and trappean rock to the valley, and with these rocks, all the way from the summit, gold and copper are constantly found at certain points of contact of certain rocks. Here then is an intimation of system, method and order in the arrangement of the rocks and metals which will be more fully illustrated as we proceed.

To make my subject fully understood I need to make an explanation, right here, concerning traps. The word trap is derived from the Swedish word *trappa* signifying step or stair, and is applied to those volcanic rocks which lie in a step form, as we see anywhere through the mining regions. Now all traps, while they have the same conceded volcanic derivation, are not true traps lying in this step form, so that the rock can be taken right out in blocks with two flat sides fit for building stones; but some are massive, that is, without any fracture, or it may be amorphous, that is, they are fractured irregularly or without regular form. Greenstone is found as a true trap, massive and amorphous. Porphyry is amorphous, and possibly massive at times, as the Egyptian sarcophagi were formed of it. Marble is massive: black trap, massive and amorphous, talcose is massive, granitic trap is amorphous and not massive. There are several other peculiarities about this class of rocks which we need to keep carefully in mind so as to know our latitude and longitude at all times in the field, when searching for metals.

The true traps, that is, those lying in true step form, are not immediately associated with the metals, gold, silver or copper, but are barren of the metals, and lie in wide belts. The traps with which the metals are formed are in narrow belts and are either massive or amorphous. By narrow I mean, say 1,500 feet wide and less, whereas the true traps may extend for miles. I have classed marble among the traps for the reason that it is found throughout El Dorado and Placer counties, associated with the primitive rocks and metals (copper) just as we find amorphous and massive greenstone trap, in Amador and Calaveras counties, associated with gold and copper in the primitive rocks. I am aware that marble is ordinarily considered a metamorphic limestone, changed by heat and therefore should be found in connection with the sedimentary rocks which do not lie within thirty miles of the locality. Nor is there only one belt of marble, but three certain, if not four, between the summit and the valley of the Sacramento. Any one who will examine the marble and associate rocks, *in situ*, will see that there is no evidence of sedimentary deposition. All the surrounding black slate rocks have the true volcanic dip, that is, they dip toward the Sierra, as all the sections of rock show at their lines of contact and all the lamination of the slates also. These black slates have been commonly considered clay slates. Now the clay slates belong to the anthracite coal and are only found in a particular location in the sedimentary series, and are quite limited in extent; whereas these slates extend for miles upon the flank of the Sierra, probably forming the bed rocks of the "Black Slate Range," so called. Moreover were the slate and marble both sedimentary then they should be always found together, whereas the marble is found on the Middle Fork of the Cosumnes, sixteen miles east of Placerville, in a belt of about 1,500 feet wide, from east to west, with a micaceous rock (primitive) on its eastern side and granite, five miles in width, on the west, with quartz and peacock copper ore between the marble and granite. Here then is a beautiful, pure, massive saccharoid marble, 500 feet high above the level of the river, between two rocks, the geological character of which is not for a moment supposed to be sedimentary, but conceded on all hands to be primitive, and has the true volcanic dip to the east as all other primitive and volcanic rocks, and with it in the same relative position that the metals are found with other traps and primitive rocks we find the metal, copper ore, situated. Can any thing be more plain than that if greenstone is a trap that marble is also.

The course of the traps and the sections of primitive rocks is the same as the axis of the mountain chain N. N. W., S. S. E. At Marble Valley, ten miles from Folsom, copper and marble are found associated with primitive slates. At the alabaster cave, a few miles from Auburn, in Placer county, the marble lies against the primitive slates, as can be seen at the entrance of the cave. One can insert a knife between them so plainly are they defined and separated. There can be plainly seen the dip of the rocks to the east. In the cave can be seen portions of the slate imbedded in the marble, apart from the east slate wall, and in the wall overhead, in the cave, is to be seen the green carbonate of copper. Taking the hint they put a shaft down beside the west wall of the marble and found a fine copper mine. If marble is a trap then it was the place to look for it as a mathematical truth. At a locality, say ten miles northeast, in the Excelsior and Nyman copper mines, both have marble hanging walls. At the Lancha Plana mine, Campo Seco, there is some marble taken out of the shaft, and at the Newton mine of Amador, carbonate of lime, a few inches wide, accompanies the ore on the east wall, I think, between the metal and amorphous greenstone trap. At the Nip and Tuck mine they have marble. The hanging wall and foot wall of the marble at Alabaster, Cave, is black slate. Above Placerville, about three miles, are two belts of marble, one, the most eastern, a wide belt between hornblend slate and probably barren of copper, and a narrow 500 feet wide belt between hornblend slate and talcose slate, which is now being prospected for copper, it having the true iron hat in the right position.

There are many other points in the questions of trap which will find explanation and elucidation as we proceed. Are these belts of trap continuous from end to end of the flank of the Sierra? This is a very important question if we concede what I assume, that the metals are invariably associated with this class of rocks and that to find the metals we have only to walk across the country crossing the measures at right angles and if we can find the traps developed, then at certain points in the topography we will infallibly find the ledge which is metal bearing. My opinion is that these belts of trap are quite limited in extent. Thus the gold belt of Amador extends, I think, from the vicinity of Jackson westerly to Clarksville near Folsom, and I doubt at present if it extends any farther. The belt of traps of Copperopolis mines may extend four miles northerly, but I do not know how far it may be found southerly, my time not permitting the examination; but if not there, it is in vain to look for the copper.

The Copper belt on which the Newton mine is situated extends from Ione or Jackson Valley, to near Folsom, I think. That it is not on the continuation of the Copperopolis belt is very evident from the country primitive rock. I shall pursue this subject in my next.

O. W. Easton.

The Mines of Lower California.

We find the following account of the condition and progress of the mines of Lower California in *El Mexicana* of the 2d inst., a paper printed at La Paz, in the immediate vicinity of that rich and interesting mining district. It will be read with much interest.

The want of reduction works is a sad drawback to our prosperity. Our metals which do not pay more than fifty dollars per ton will not pay to export. The Mexican Co. have thousands of tons of such metal thrown over the dump. The Triunfo Co's mill has within the past few days commenced work. Everything working satisfactorily, and we hope, the next steamer will carry some of their silver bars to San Francisco. One hundred and fifty tons of rich ore are at the Ventana awaiting the arrival of the "Sunny South;" the greater part of this ore is from the "Marronena" mine. The smelting process lately undertaken at the Franco American Companies' works proved a success as far as the operation was concerned, and when pursued on a more enlarged scale will prove profitable. A number of steam pumps are also in active operation on the following mines, namely: Las Chureas, Santa Cruz, San Jose, Gobernadora, and Nacimento, all of these mines will produce metal in a few weeks, having all been prospected and known to contain good metal, they are also owned by wealthy companies in San Francisco who will push the work forward with vigor. The Triunfo Co. have three mines all in metal and can supply an unlimited quantity. The Maria Co., has abundance of rich ore, but for some reason are working but few men. The Marronena and Codocia although on good metal and in abundance, have ceased work altogether. The Fortuna, San Pedro, Espinosena, Nacimiento and Guasave are also on good ore; all the last named mines are on the same vein, and not troubled so much with water as the first above named. The work on the San Nicolas has been discontinued although in abundant and rich ore. On the Mina Rica vein several tunnels are progressing rapidly but up to this time the vein has not been tapped. The Raucheria has just struck metal in large quantities which promises well. There are many other mines in which good prospects have been found. Those spoken of are on the two large veins that traverse the Triunfo and San Antonio Districts.

In Cacachila and Ranchita the developments are not so flattering, with one exception, the Libertad mine. This mine appears to have fine prospects; the vein has been struck in the tunnel, and large quantities of rich metal is now being extracted. Mr. Joseph Prisk the Superintendent, with only one man to aid him the largest portion of the time. Although an intelligent and scientific man, he is not above tackling the face of the drift himself. This mine has been worked in the most systematic and economical manner, and we believe few can boast of having done so much work at so little expense.

El Tesoro an old and famous mine of this district, seems pursued by an obdurate fate. It is years ago the bright, rich and shining ore was found below the old works at a depth of two hundred feet, although the mine has been worked almost constantly since then and many thousands of dollars have been expended; its Tesoro as in our magic stories, always, seems to elude the pursuers' eager grasp. The works on the Bella Vista mine are progressing steadily. In a drift from the shaft an hilo containing good metal has been struck which gives promise that when the vein is reached, which cannot be far off, this will be well rewarded for their enterprise. The tunnel of the "Del Forte Co.," is now about two hundred feet in length; in crossing a seam of wet clay lately, and before timbers could be got in place, an extensive cave occurred, fortunately, without doing any further damage, than loss of time. A stream of fourteen inches of water is now continually running from the mouth of this tunnel.

The San Rafael mine in Ranchita is owned entirely by residents of this Territory. It has been worked steadily, with few intervals, for the past four or five years. The projected works on this mine are the most extensive in the Territory. It requires a tunnel five hundred feet in length to reach a depth of three hundred feet underneath the old works; already three hundred feet of the tunnel have been completed, a portion through some of the hardest granite ever encountered in this territory, the cost of which in some places has been no less than one hundred dollars per vara with Mexican labor at seventy-five cents a day. The tunnel was commenced before the breaking out of the Washoe excitement by men of moderate means. This company, includes among other well known members, Don Teodoro Riveroll, formerly governor of this Territory, and Don Felix Gibert collector of customs at this port. The members of this company deserve credit for their outlay, and there is no doubt but that they will, if fame speaks truly, as many living witnesses can testify to the riches of this mine. It is known, that from an old shaft some ninety feet in depth large quantities of ore were extracted from a vein about one vara in thickness and another of eight inches. None of this stock we understand has yet been hawked about in the San Francisco market.

Editing a Newspaper.—Many people estimate the ability of a newspaper, and the industry and talent of its editor, by the editorial matter it contains. It is comparatively an easy task for a frothy writer to pour out daily columns of words—words upon any and all subjects. His ideas may flow in one wisby-wasby everlasting flood, and his command of language may enable him to string them together like bunches of onions, and yet his paper may be a meager and poor concern. But what is the toil of such a man, who displays his leaded matter largely, to that imposed on a judicious, well-informed editor, who exercises his vocation with an hourly consciousness of his responsibilities and duties, and devotes himself to the conducting of his paper with the same care and assiduity that a sensible lawyer bestows upon a suit, or a humane physician upon a patient, without regard to show or display. Indeed, the mere writing part of editing a paper is but a small portion of the work. The care, the time employed in selecting, is far more important, and the tact of a good editor is better known by his selections than anything else, and that we all know now is half the battle. But as we have said, an editor ought to be estimated, and his labors understood and appreciated by the general conduct of his paper, its tone, its temper, its uniform consistent course, its principles and aims, its manliness, its dignity and propriety. To preserve these as they should be preserved, is enough to occupy fully the time and attention of any man. If to this be added the general supervision of the newspaper establishment, which most editors have to encounter, the most wonder is, how they can find time to write at all.

The Private Soldier.—If there is a being in the world who is deserving of private affection and public gratitude, it is the soldier who marches as a private in the ranks of the army to fight for his country and offers his blood and life as a sacrifice for the maintainance of the Union and Constitution. And yet how seldom it is that they get the honor and reward their services entitle them to. It is the private who carries the gun; it is the private who marches on foot through the mud, frost and snow; it is the private who erects bridges over swift rivers, and rears massive fortifications; and it is the private who, with bayonet set, charges on the deadly rifle-pits and against squared columns of the enemy; and yet, how seldom it is that he receives the honors and the rewards of his noble conduct!

The Big Trees.—There are at least four groves of the so-called "Big Trees" in this State; and it is thought there are others yet undiscovered. One sees the Calaveras Trees and, full of wonder, thinks their like is not to be found. He is told, however, that a yet finer grove, inconvenient of access, has been discovered seven miles away, on the borders of Tuolumne county. In Mariposa, too, is a cluster, much more numerous, of the same mammoth species. There is also a grove in the county of Fresno. It is rather pleasant to know that this wonder of the forest is not confined to one spot in our State, and that California not only has one but several grand companies of these giants, of which the rest of the world furnishes no equal.—*Evangel.*

Linen Exports from Great Britain have nearly doubled in three years. This is one of the many results growing out of our civil war, and the stoppage of cotton supplies. Linen factories are also rapidly springing up in our own country, and the article of linen, in its various forms of manufacture, will soon occupy an important position in our home industry. Nearly fifty thousand acres of land, in Canada, have been sown with flax this year—ten times as much as last.

Kindling Wood.—It is said that 200.000 cords of pine wood are brought into the city of New York, annually, 50,000 cords of which are converted into kindling wood.

Treasure List.—The Pacific Mail Company's steamship Constitution, sailed for Panama on Saturday last, taking away treasure to the amount of $1,658,587.

The dummy engines are to be introduced in Boston for the street railroads.

ABOUT FLIES.

The common fly supplies an interesting object of study. Poets have sung of them, and besought the humane to

Save drowning flies that float along the stream.

Good "Uncle Toby," of whom all have read, never could kill one of these busy little insects. "Go," said he one day, to an overgrown one that had been tormenting him. He threw up the window sash and said, "Go; why should I hurt thee? This world is surely wide enough for both thee and me." The fly is the most intrusive of all insects. He drops into our cup of tea just as we put it to our lips. He intrudes himself into our most secret places. He is ever with us except when our surroundings are held in the frosty grip of winter. His humming is heard alike by the poorest son of toil and the gravest philosopher. Woman's temper is often sorely tried by his intrusive presence upon picture frames, furniture, and whitened walls. Flies commit suicide by hundreds in honey pots, cream cups, and all other nice tasting fluids. Indeed they appear to have a peculiar nicety of taste at times, and are often venturesome in the extreme.

Academies and learned societies have devoted much time to inquiring into their peculiarities, and inventors, time and again, have called all their genius into action to devise ways and means for exterminating the insect. Still the flies remain. They are here, there, and everywhere. If we examine one of these curious little insects, we shall certainly find much to admire in their construction, even if we cannot sing stanzas to their existence, or set the humane part of Uncle Toby toward them. Not having a microscope at hand with which to get up "original observations," we will clip a brief description from one who has enjoyed that privilege:—

Flies do not breathe through the mouth, but through a set of holes in the abdomen, called stigmata, or spiracles. By these, the air passes into beautifully constructed tubes, called tracheæ, or wind-pipes. The spiracles are furnished with a curious contrivance to prevent dust entering. The hole is closed by a sort of seive or screen, which must be seen to be appreciated. A drawing gives you some idea of its nature, but the real thing is far better; and as every one is not up to such minute manipulation, recourse should be had to micro-scopic preparations. In addition to the spiracles and the antennæ, the eye and the foot, with a description of which most readers are familiar, the proboscis of a fly is a thing to wonder at. It is more complicated than the trunk of an elephant. A portion of this proboscis acts as a lip. In addition to its lancets, a fly has teeth—yes, real teeth, like notched chisels, and as plain as pike-staves, if you only know where to look for them.

Death of Vegetation.—Some weeks ago the Union Copper Mining Company erected concentrating works near their mine at Copperopolis, for the purpose of ridding inferior ores of enough base and foreign matter to make them transportable. The smoke from these works was so charged with sulphur and arsenic that the grass and vegetation all around within the circle of 150 yards was killed, and the leaves on the oaks and buckeyes withered and dropped off. A few weeks since these works were temporarily suspended, and since then the oaks and buckeyes have put forth new buds which are now unfolding into young leaves, imparting to the surrounding woods all the appearance of early spring. One would suppose that the fumes thus fatal to vegetation would be also deleterious to human health, if not fatal to life; but such is not the case. Experience in other countries proves that the people living within the daily influence of these poisonous vapors are about as healthy as those of other neighborhoods where they are not felt. —*Stockton Independent.*

At the last sitting of the Paris Academy of Sciences a paper by M. Loir was sent in by the Minister of the Interior, in which the author endeavored to show that a quantity of electricity was produced in large factories, and might be turned to account by means of the straps which generated it by the friction in communicating motion to the machinery.

Death from Anger.—A woman at Windsor, England, lately got into a violent passion and threw her children about the floor, when a lady with whom she was living, remonstrated with her; she stamped her foot and spoke in a very loud voice. Suddenly she gave a loud scream, fell to the floor and almost instantly expired.

Hieroglyphics—Who made them?—The following description of hieroglyphics in the Sierra is from the correspondence of the Sacramento *Union*.

In our ride over our new road we had arrived at the "Yuba Bottoms," distance from Dutch Flat twenty miles. The railroad survey comes in at the same level and place, and from it I learn that the altitude above Sacramento is 5,520 feet. Pure air, more genial breezes or more delicious water than can be found here in summer one must go a long way to find. But I promised to describe a curiosity, which is very remarkable at the point of our traveled route. A friend at Donner Lake just told us of these, and how we might find them, which we did on our return, and without difficulty. He also informed us that a large flat rock near the road side on the way down the summit, is covered with the like. As, however, we did not stop to examine, or even search for these last, I can say no more about them. Leaving our vehicle at "Rock Point, No. 1" (described in my last), and going about two hundred yards toward the river, we come to a plateau of smooth and almost flat rock, covering a space as large as our new Capitol, extending to the river bank itself. Of these rocks we found a space of about two hundred feet square almost literally covered with hieroglyphics of various forms, but most of them looking like the hideous nondescripts which will be found in some of our old Indian histories, attached to treaties as the signatures of the various Chiefs. These were made many years ago, for they have become dimmed by age, and in places the rock has scaled off for yards and thus destroyed them altogether. But hundreds of them are as perfect and complete as if made but yesterday. They look as if they had been cut in the rock by a slight blow from a cold chisel. There were snakes, and these things that looked like lobsters, and then many others unlike aught that civilized man knows anything about. Our informant said he saw one that was not a bad representation of the "square and compass." But this one, though himself "on the square," "Q. S." failed to discover. They are a great curiosity, and advising all of my readers, who can, to stop and examine them, I leave it for older and wiser heads than mine to answer this question: "Who made them? and for what?

Mammon in France.—A manufacturer who has enriched himself by the most useful, and therefore the most noble, of industry, believes that, in marrying his daughter to a marquis, he elevates himself a rank higher in the social scale. The older the family of the man, the more exulting the father-in-law. Only think! for four hundred years no person in the family of my son-in-law has ever made any use of his ten fingers. If a gentleman cannot be got, a son of a burgeois family is selected. His parents have worked; it is unfortunate; but thanks to heaven! they have retired from business now upwards of ten years. We are quite easy as to him, he shall never do anything. An official is another advantageous selection. Officials do so little in our admirable country. They go to their offices to ease their consciences, their duties are so slight that they have almost the right to call themselves pensioners of the state. The most sought after amongst them are naturally those who gain the most money with the least fatigue. For instance, a receiver-general leaving college. That is what is called a very deserving young man. A hundred thousand francs to earn, and nothing to do! At the most a few signatures to make; a white negro, his representative, does all the rest. And this person is a somebody!—the third authority in the department. What father would hesitate ten minutes between an official and a man of business, even were the latter much the richer and more intelligent of the two? The official is almost a gentleman; he does so little. When a young girl is unfortunately reduced to marry a handsome young man, rich, well educated, honorable, well brought up, and gaining twenty thousand crowns a year, in business, she is a long time in explaining her fall to her school friend. 'My husband is in business, but in a very large way; a great deal of it is wholesale. He does very little in it; indeed, he scarcely goes to his office for more than half an hour a day. However, we think of giving it up altogether shortly.' The friend, who is going to marry a sub-prefect with four thousand five hundred francs a year, embraces her warmly, and says, 'Poor dear little thing. I shall always feel the same towards you. My husband has no prejudices; you must present your husband to us when he has retired.'—*About's Progress.*

A cargo of human bones, shipped from Genoa, has been seized at Hull, England. It is supposed that a large trade is carried on secretly in this kind of goods. The bones have probably been used to make knife-handles, toothpicks, and the like.

London now includes 8 parliamentary cities and boroughs, 186 parishes, covering 130 square miles and its population numbers 3,000,000.

The Value of Sunshine.

A New York merchant noticed, in the progress of years, that each successive book-keeper gradually lost his health, and finally died of consumption, however vigorous and robust he was on entering his service. At length it occured to him that the little rear room where the books were kept opened in a back-yard so surrounded by high walls, that no sunshine came into it from one year's end to another. An upper room, well lighted, was immediately prepared, and his clerks had uniform good health ever after.

A familiar case to general readers is derived from medical works, where an entire English family became ill, and all remedies seemed to fail of their usual results, when accidentally a window-glass of the family-room was broken, in cold weather. It was not repaired, and forthwith there was a marked improvement in the health of the inmates. The physician at once traced the connection, discontinued his medicines, and ordered that the window-pane should not be replaced.

A French lady became ill. The most eminent physicians of her time were called in, but failed to restore her. At length Dupeytren, the Napoleon of physic, was consulted. He noticed that she lived in a dim room, into which the sun never shone; the house being situated in one of the narrow streets, or rather lanes of Paris. He at once ordered more airy and cheerful apartments, "and all her complaints vanished."

The lungs of a dog became tuberculated (consumptive) in a few weeks, if kept confined in a dark cellar. The most common plant grows spindly, pale, and straggling, if no sunlight falls upon it. The greatest medical names in France, of the last century, regarded sunshine and pure air as equal agents in restoring and maintaining health.

From these facts, which can not be disputed, the most common mind should conclude that cellars, and rooms on the northern side of buildings, or apartments into which the sun does not immediately shine, should never be occupied as family-rooms or chambers or as libraries or "studies." Such apartments are only fit for "stowage," or purposes which never requires persons to remain in them over a few minutes at a time. And every intelligent and humane parent will arrange that the family-room and the chambers shall be the most commodious, lightest and brightest apartments in his dwelling.

Earthquakes.—The last number of the medical *Press* contains the following comments on earthquakes:

Earthquakes on the Pacific coast are likely to take a place in Etiology. We have known a number of instances in the past year, in which the effect of the shock on the nervous system of sensitive females has been distressing if not serious. In one case labor was prematurely induced, and in a second the same result was threatened. There is no such thing as getting inured to them. On the contrary, the dread of them rather increases. The Mexicans and South Americans, who have had sad experience of earthquakes in their own country, suffer the most from them here. There appears to be no serious ground for apprehension, however. In a few localities, especially in the southern counties of California, there have been undulations of the earth sufficient to endanger or destroy buildings of a certain class. But we have no authentic account of earthquakes capable of doing serious mischief having occurred in the locality of San Francisco, or anywhere to the northward.

There's Light Beyond.—When in Madeira—writes a traveler—I set off one morning to reach the summit of a mountain, to gaze upon the distant scene and enjoy the balmy air. I had a guide with me, and we had with difficulty ascended some two thousand feet, when a thick mist was seen descending upon us, quite obscuring the whole heavens. I thought I had no hope left but at once to retrace our steps or be lost; but as the cloud came nearer and nearer, and darkness overshadowed me, my guide ran on before me in the mist, ever and anon calling to me, "Press on, master, press on—there's light beyond." I did press on, and in a few minutes the mist was past, and I gazed on a scene of transcendent beauty. All was light and cloudless above, and beneath was the almost level mist, concealing the world below me and glistening in the rays of the sun like a field of untrodden snow. There was nothing between me and the heavens.

O, ye, over whom the clouds are gathering, or who sit beneath the shadow, be not dismayed if they rise before you. Press on—there is light beyond.

Passing Away.—The number of revolutionary soldiers borne upon the pension rolls had dwindled down to eighteen on the 30th of June, 1863, of whom only ten had made application for their stipends on the 4th of March of that year.

Children in Japan.—A Japanese Missionary, in the Sabbath School *Star*, speaking of the Japanese children, says:

During more than a half year's residence in Japan, I have never seen a quarrel among old or young. I have never seen a blow struck, scarcely an angry face. I have seen these children at their sports, flying their kites on the hills, and no amount of intertangled strings or kites lodged in the trees, provoked angry words or impatience. I have seen them intent on their games of jackstones and marbles under the shaded gateways to the temples, but have never seen an approach to a quarrel among them. They are taught implicit obedience to their parents, but I have never seen one of them chastised. Respect and reverence to age is universal. A crying child is a rarity seldom seen or heard. We have nothing to teach them in this respect out of our abundant civilization. I speak what I know of the little folks of Japan; far more than any other foreigner have I been among them. Of all that Japan holds, there is nothing I like half so well as her children. I shall always remember their sloe-black eyes, and ruddy brown faces, with pleasure. I have played battle dore with the little maidens in the streets, and flown kites with as happy a set of boys as one could wish to see. They have been my guides in my rambles, shown me where all the ponds and streams were, where the flowers lay hid in the thicket, where the berries were ripening on the hills; they have brought me shells from the ocean and blossoms from the field, presenting them with all the modesty and a less bashful grace, than a young American boy would do. We have hunted the fox holes together, and looked for the green and golden ducks among the hedges. They have laughed at my broken Japanese and taught me better; and for a happy, good natured set of children, I will turn out my little Japanese friends against the world. God bless the boys and girls of Niphon!

Flesh in Vegetables.—All vegetables, especially those eaten by animals, contain a certain portion of flesh; for instance, in every hundred parts of wheaten flour there are ten parts of flesh; in a hundred of Indian corn meal there are twelve parts of flesh, and in a hundred of Scotch oatmeal there are eighteen of flesh. Now when vegetable food is eaten it is to its fleshy constituents alone that we are indebted for restoring to the body what it has lost by muscular exertion. "All flesh is grass," says the inspired writer, and science proves that this assertion will bear a literal interpretation. No animal has the power to create from its food the flesh to form its own body, all that the stomach can do is to dissolve the solid food that is put into it; by-and-by the fleshy portion of the food enters the blood and becomes part of the animal that has eaten it. The starch and sugar of the vegetable are either consumed (burned) for the production of warmth or they are converted into fat and laid up in store as future food when required. Grass consists of certain fleshy constituents, starch and woody fiber. If a cow, arrived at maturity, eats grass, nearly the whole of its food can be traced to the production of milk; the starch of the grass goes to form fat (butter).

Skeleton of a Mastodon Discovered in Michigan.—A correspondent of the Detroit *Tribune*, writing from Adrian, Michigan, says that Uriah Decker, a farmer near that town, had discovered the remains of a mastodon while digging a ditch in a field. Nearly all the bones have been discovered—including the skull, greatly damaged; all but one of the large leg bones; one of the smaller leg bones; a number of ribs, some nearly perfect, and others not far from it; a broken tusk and its mate; several remarkably perfect teeth; shoulder and hip bones in good preservation; vertebræ and foot bones, knee-caps and supplementary bones in great variety. The teeth were in wonderful preservation, the brown of the molar teeth presenting conical fasercles covered with enamel. The enamel is still perfect.

Plaster of Paris for Paint.—A writer in the *Register of Rural Affairs* recommends the use of plaster or ground gypsum instead of white lead, to mix with oil for paint for outside work. If, as he says, it is equally, in fact, more durable than white lead or zinc white, it deserves to be widely known, as the plaster is very cheap and easily obtained. Take equal parts of the plaster and white lead, with oil enough to make it the consistency of cream, and run it through a paint mill. This will have a good body and very serviceable. For painting the roof of buildings, the plaster and oil answers a good purpose, and it is durable, and when rain water is collected in cisterns, it will be found to be purer than when it comes in contact with lead. Plaster is sometimes found ground very coarse, and it should therefore be run through a paint mill before it is used.

A statue of Christopher Columbus is to be erected at Madrid, Spain.

Our Summary of Mining News.

GLEANED FROM VARIOUS EXCHANGES.

WASHOE.

We condense the following from the Gold Hill *News*:—

The Gould & Curry.—The Washoe *Herald* says this company, despite the depreciation of their stock, are making extensive improvements and additions to their works, among which are the erection of a shaft house and machinery on Flowery street, near the mouth of their lower tunnel, for the purpose of pumping water out of the shaft they are sinking there below the tunnel. The engine connected with this new operation will be put up inside the tunnel, and will be set in motion by steam led in pipes from the boilers, which will be set up in the shaft house. It is said to be the intention of the company to sink this shaft from 500 to 1,000 feet below the level of the present lowest tunnel, and to drift from it into the ledge to test the value of the ores at that depth. The result of this prospect shaft will doubtless be watched for with great interest by thousands in this Territory, and in nearly all parts of the Nation.

Machinery Arrived.—The new machinery for the Omega mine arrived on the 20th inst., and will be put in place immediately, when the work of developing their claim will be pushed ahead with energy.

Kentucky Company.—The work on this company's claim continues to be driven steadily ahead. Until quite recently, work has been carried on day and night, without any intermission, by three shifts of miners. The company's tunnel is now upwards of 630 feet in length, and with the exception of the Baltimore American is the longest one on American Flat. It is now in very near to the main ledge which the company claim.

The drift from the North American shaft to the Baltic and Uncle Sam mines, is being steadily driven ahead. The drift which is being run to connect with the Baltic is so near the drift which is being run from that company's shaft to meet it, that the sound of the picking in the one can be heard in the other very plainly.

The Empress company has recently had its whim taken down, and a place graded around its shaft, where machinery is to be put. As soon as the steam engine, boiler, etc., can be obtained from San Francisco, the work of putting up the hoisting gear will commence.

Work on the Globe claim continues to be driven ahead. The company will soon be into the ledge at a place as much as 150 or 175 feet deeper than it has ever been opened before. At that depth it will probably find pay rock, and that which will pay well. Where the ledge was opened by a tunnel, run from the ravine a few rods west of where the shaft was started, several tons of rock were taken out which were crushed and yielded at the rate of $22.50 per ton. This was taken out at, or not more than fifty feet from, the top of the ledge. The drift now being run will open the ledge at a depth of at least 250 feet. At that point the company expect to take out rock which will yield at twice the rate that the rock which was taken out of the tunnel did.

The Uncle Sam keeps at work sinking its shaft. It is now down to a much greater depth than it has ever been in its mine before. A drift will be run into the ledge, and rock will be taken out soon. We expect to see rich rock from this mine as soon as a new drift is run in, and the ledge fairly opened.

The Fair Play company has struck into rock with its shaft, and is making great exertions to drive the latter down rapidly, but its progress is nevertheless slow. The shaft is now sunk about 100 feet, and is timbered down to near the bottom.

The Central Hawkeye continues sinking its shaft on the side hill west of the Midas' hoisting works. It has got down with it about thirty five or forty feet, and is now making good headway.

The Overman continues to sink down its shaft. It is now deep enough for another chamber, and probably before long another one will be opened.

Machinery.—The Minerva company has received its engine, reels and other machinery for its hoisting works, and is now busy putting them up.

The Hale & Norcross is hurying up the work on its new machinery.

The Eureka company is again at work on its claim. Some considerable quartz has been taken out, and lays along side the car track and around the top of the shaft. None has yet been worked, that we are aware of, but we have seen some taken out that looked as though it might pay.

Branch Mint.—The Branch Mint company continues the work of opening its mine at the level from which it took the rock it had crushed some time ago. The rock crushed did not yield as well as expected, and none has since been taken out to work.

Making an Addition.—The proprietors of the Succor Mill are putting an additional battery of five stamps in their mill. They are also increasing its amalgamating capacity by adding two of Hepburn's Amalgamators and one Separator.

The Chollar company is making thorough repairs on its machinery while it is waiting for its new shaft.

The Milton company is now taking out pay rock all the time. It furnishes the Union Mill with all the rock which it crushes. And we believe furnishes rock to other mills down the cañon.

REESE RIVER.

Bullion Shipments.—The amount of $27,604 was shipped by Wells, Fargo &c., from Austin during the first half of the present month.

Money Coming In.—Money is already reported as becoming quite plenty at Reeso River, in return for the Bullion sent out.

Austin's Prosperity.—The best evidence of the prosperity of Austin may be derived from the fact, that during the six months preceding July 1st, 180 houses, costing 400,000, were erected in that place; in addition to which at least $100,000 was during the same time expended in remodeling their quartz mills and putting in new machinery.

We condense the following items from the *Reveille*:—

The Big Creek mines, eighteen miles, from Austin, Reese River, are said to be paying well. The Whitlack company recently remitted two thousand ounces to their creditors in California to pay for their mill and supplies.

The three arastras being erected by Messrs. Brees, Bowes & Co., were completed and ready for operation at latest dates. They are located in Reese River, eight miles from this place, and will be run by water power.

The Oregon Mill left at the assayers 2,391 ounces of crude bullion on the 30th inst., and held about the same amount in their safe. They expected to take out the further amount of 3,000 oz. the next day. This is considered but a beginning of the bright and glowing future in the way of precious metals that will be taken out by their mills in the early future.

The George company is about to put in steam hoisting works at the mine. [This we believe is the first steam hoisting works in Reese River.—Ed.]

The Esther Claim has had two tons of rock crushed which yielded 2,400 oz. of crude bullion.

The Chinese.—These people of both sexes have already made their appearance in the towns along Reese river, where they do not appear to meet a very hearty welcome from the press.

HUMBOLDT.

The Humboldt gold diggings, says the *Register*, continue to attract many prospectors. Antelope and the cañons neighboring show rich in good smooth gold. There is considerable excitement there, at present, caused by the return of some prospectors from the new gold diggings in El Dorado District. A great many are going over.

The De Soto mine is fast growing in public favor. They have increased their force to twenty-two men, and expect to put on more as they make room for them. They are running two drifts in a southerly direction, parallel to each other, one along the foot wall and the other following the hanging wall. Another set of men are drifting from a gallery overhead. They are taking out about forty tons of rock per week. Two men on the outside are assorting and sacking the ore for shipping.

The Sheba has changed its Superintendent and Foreman. McDonald, the well-known Druggist, of the firm of McDonald & Thorne, has succeeded T. F. Moss, in charge of the office, and Prescott is back in his old place as foreman of the mine. Their mill is almost completed, and it is expected that it will be running in a few weeks.

The American Basin company is in over 300 feet with a straight tunnel, working three shifts of men.

Trinity is pushing ahead, expecting to strike the ledge in about twenty feet more.

Ore that will Pay.—At Fall's mill, ore of twenty-one ledges has been worked, which ranged in yield from $85 to $550 to the ton. From nine other ledges, unselected ore has been worked, yielding from $35 to $80 to the ton. Where is the other county where the average will show us well?

CALIFORNIA.

Sierra.—The Downieville *Messenger* furnishes the following items:

Matters in general are moving on serenely at Alleghany, and all interests thriving in an eminent degree. The Manhattan Gravel Mining Company, at Cumberland, are reported as doing well. The Winnicfred Company, near Union, and the Cal. Prospecting Co., of Washoe, have consolidated. The ledge at the works appears to be well defined, three feet thick, and is reported as very rich. This company has lately been sued by the Fac Simile Co., which claims that the Winniefred is on their ledge with their lines, and they bring suit for ejectment. The Union Co., have done little else of late than run a lower tunnel; but when they are in, it is generally expected that more big things will be heard of.

Large Sale.—The celebrated Hooper quartz lode, in Amador county, was lately sold for the sum of $350,000. This is one of the best mines in California. The revenue stamps on the deed amounted to $680.

Copper.—The Cosmopolitan Company, at Genesee Valley, had several men employed in taking out ore from their ledge. They average about eight tons per day. The ore is to be smelted by the Genesee Copper Works.—*Quincy Union.*

Copper in Los Angeles County.—The Los-Angeles *News* learns that measures are in progress to open and work the Tehunga copper lode, situated about twenty-six miles from that place. It is a rich lode, and is eligibly situated for a speedy and paying development. The "Kentucky" Company—situated in the same vicinity, are also making preparations to commence opening their mine.

Union District.—This mining district, which is situated on the east side of Indian Valley, and includes all of Light's Cañon, is according to the Quincy *Union* an excellent mining section. No less than twelve companies are at work upon different quartz and copper ledges, taking out rock for shipment, and in prospecting their lodes. During the past two weeks, over thirty tons of copper ore have been forwarded from the Superior ledge to San Francisco, with the intention of having it shipped to Swansea, England, to be smelted. If the smelting works, now in process of construction at Genesee Valley, should prove that the ore can be smelted in this State, there are several companies who will, in a short time, put up works to smelt their own rock.

More Quartz Mills.—Several parties in Sacramento will shortly erect quartz mills at Silver King which is said to be turning out to be one of the wealthiest mining districts in the State.

New Discoveries.—A prospecting party have discovered rich lodes of iron and silver, and also good coal veins, twenty-eight miles from Monitor, Alpine county.

Mining in Butte.—The *Record* at Oroville says, under date of July 23d:

Faulkner & Co., have been employed for the last two months in constructing works with the object of reviving an old and heretofore lucrative enterprise by sinking into the channel whence the river had receded and running the gravel through sluices in the ordinary placer style. To exhaust the water from the shaft, a costly pump has been fitted and a quarter of a mile of flume, tapping the Ophir ditch, fetches water to the works. The claim employes some sixty hands and is said to pay a handsome dividend upon the investment. There is ample scope for further enterprises of a like kind.

Five Persons Drowned from a Water Spout.—A party of ladies and gentlemen, who left Aurora, a few days since, in a four-horse thorough braced wagon, met with a fearful accident about twelve miles from that city. It seems as they were about crossing a ravine a water spout burst on the mountains and came down upon them before they could get out of the way, sweeping them before it. A Mrs. Medbury, and Mrs. Glen and three children were drowned. Their bodies were recovered and conveyed to Aurora. The gentlemen, four in number, were saved, but badly bruised. The four horses were drowned, and the wagon was dashed to atoms.

Treasure Receipts.—The receipts of treasure at this city, from the interior, from the 11th to the 23d of the present month were about $1,800,000, of which the Branch Mint has taken some $650,000.

Fifteen Tons of Bullion.—The quantity of bullion shipped from Virginia City from the 1st to the 23d of July inclusive, was a fraction over *fifteen tons*, valued at $735,836.

The scientific writings left by the poet Uhland are about to be given to the world.

BOISE RIVER.

Quartz Mills For Boise.—Col. Raymond, who recently took a ten-stamp mill from this city to the Boise country, has located the same on the Pioneer Ledge, near the town of Placerville, in that region.

A five-stamp mill, with all the appurtances and fixtures complete, was shipped for the Boise country, by the Oregon, on Thursday. The mill is owned by the "Great Boise Consolidated Mining Company," and will be put in operation on rock from their ledges as soon as it reaches its destination.

Messrs. Coombs & Co., of the Gambrina ledge arrived in this city on Tuesday last, from Boise. They come for the purpose of purchasing a mill and machinery for their ledge. They will purchase and return as soon as possible. This ledge is pretty thoroughly prospected and ranks with the best in that region. It is well situated upon a hill side, and stands dipping at an angle of about sixty-five degrees, and almost parallel with the surface of the hill. The peculiarity of this location renders it an easy matter to lay a great deal of the ledge bare by stripping. They have already stripped and in sight probably five hundred tons, not a particle of which will not prospect well. Some five or six tons of this rock was worked by an arastra the latter part of spring, which yielded from three to five hundred dollars per ton.

The proprietors of the Landon ledge have a mill contracted for. They have sunk on their lode about thirty feet, but owing to the delay of the machinery, which they have contracted for, they have stopped operations in their shaft for the present, and are working rock from near the surface for convenience. They are working pestles with spring-pole hammers, and by this rude method, are averaging, from selected rock, from ten to fifteen dollars per day to the hand, crushing from one to two hundred pounds each. Common Quicksilver flasks, with the top cut off are used for mortars.

The Medical Press.—The July number of the *Medical Press* has come to hand. Though rather tardy in its appearance it is nevertheless replete with matter of the highest interest to the medical fraternity. The present number is entirely original, and contains several very valuable articles, having a local as well as a general interest. This publication is well worth its subscription price ($2 in advance) to the general reader—of course no physician on the Pacific coast should be without it.

Bullion from the North.—The steamer Pacific, Capt. A. M. Burns, arrived on Monday from Portland and Victoria, with a large number of passengers. The treasure list amounted to $316,278, of which $301,278 came from Portland, and $15,000 from Victoria. The shipping of dust from the placer mining fields of Boise region is steadily increasing.

An Editorial College.—Some one has suggested the idea of establishing a college for educating young men to the editorial professsion. We doubt whether any better institution can be devised for such a purpose than a printing office. Editors, like poets, are born, not made.

Our Congressional Delegation is now on its return. Senator Conness and Congressman Shannon were to have left New York on the 13th inst. Congressmen Higby and Cole are probably now on their way hither by the overland route.

Silver in Bannock.—The explorations of Professor A. K. Eaton, of New York, in the Bannock country, have disclosed the fact of the existence, within fifteen miles of Bannock, of rich silver leads, and have incited a very general prospecting for that metal.

Fine Showing.—We have examined some very good specimens of copper ore from the Mount Zion company's lode, Mount Diablo, containing a liberal quantity of yellow sulphurets. Our readers, ere long, may expect to hear more about Clayton District.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delin uent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press
AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T. — DAY FOR ADV'G—SALE.

Augusta, Augusta, R. R., 2 ass'ts 12½c each..July 30—Aug 31*
Animas, Durango, Mex., $1.....Aug 13—Aug 27*
Arizona, Cons., Eureka, 20c.....July 30—Aug 13*
Amador Cons., Lander co., $4.....Adv July 27—Sale Aug 8*
Aspinwall, Reese River, 50c.....Adv July 15—Sale Aug 3*
Alhambra Hill, Summit, $1.....Adv July 20—Sale July 30
Agawam, Nye County, $1.....Adv July 23—Sale August 10
Alemania, San Antonio, $2.50.....Adv July 23—Sale Aug 4
Armagoza, San Bernardino co., $1..Adv July 18—Sale Aug 6
Alban.....Annu 1 Meeting Aug 5
Alpine, Amador Dist. 25c.....Aug 9—Aug 20
Archer Cons., Summit Lake, $1.....Aug 8—Aug 23
Apollo, R. R.....Sale Aug 11
Argentoro, R. R.....Annual Meeting Aug 11
Adriatic, Flowery, $1.....Aug 20—Sep 3
Adelaide Cons.....Annual Meeting Aug 10
Ashland, Arizona, $1.....Aug 11—Aug 29
Amagerza, Salt Spring, $2.....July 23—Aug 16
Amagorza.....Annual Meeting Aug 25
Adelaide Cons., 50c.....Aug 22—Sep 5
Altavillo Quartz.....Special Meeting Aug 1

Bodie Cons., Mono co., 50c.....Adv July 13—Sale July 30*
Brooklyn, Reese River, 50c.....Adv. July 2—Sale July 16*
Black Ledge, Reese River, $2.....Aug 19—Aug 31
Beach & Paxton, Virginia, $3.....July 6—Sale Aug 1
Bajazett & Golden Era Cons., $5.....Sale July 30 Virginia
Baja California, San Antonio, 50c.. Adv July 20—Sale Aug 9
Big Blue Lead, Coso.....Special Meeting, Aug 23
Ben Franklin, Humboldt co., $1....Adv July 9—Sale July 30
Bella Vista, Lower Cal. $1.....July 25—Aug 7
Big Blue Lead, Tulare co., $1.....July 28—Aug 10
Bonus, Coso.....Annual Meeting July 25
Buckeye & Old Hickory Cons. S. Catal., 50c..Aug 5—Aug 25
Barreteros, Mex., $5.....Aug 15—Aug 27
Bullion, Virginia.....Sale Aug 10
Bamboo Chief, Silver Mountain.....Sale Aug 8
Bamboo, Esmeralda, $2.....July 21—Aug 1
Blue Ledge, El Dorado co.....July 16—Aug 1
Black Rock Ledge, R. R., $1.....Aug 18—Sep 5
Burning Moscow, $5.....July .9—Aug 15
Blanding, Devil's Gate, $2.....Aug 26—Sep 10
Boyce & Reynolds, Gold Hill, $2.....Aug 8—Aug 17
Boston Copper, El Dorado co., 50c.....Aug 11—Aug 23
Belcher, Baldwin & Abernethie, Div'd $3,..Payablo July 10
Barreteros, Mex.....Annual Meeting Aug 1
Battle, $5.....Levied July 23

Clinton, R. R., 50c.....Aug 6—Aug 26*
Charter Oak, Santa Catalina, 10c.....Aug 11—Aug 27*
Chandler, Palmyra.....July 16—Aug 3*
Copp, Humboldt, $1.....Adv July 18—Sale Aug 9*
Comstock, San Antonio, $4.....Aug 22—Sep 3
Cedar Hill, Virginia, 50c.....Adv July 14—Sale August 3
Cole, Virginia, $1.....Adv July 18—Sale Aug 3
Capital, R. R. 50 cents.....Adv July 16—Sale July 30
Chicago & Detroit, Amador co 75c..Adv July 22—Sale Aug 6
Collombe, Gold Hill, 50c.....Adv July 21—Sale Aug 5
Caledonia, Gold Hill, $1.....July 2—Aug 17
Cortez, Laader co., $2½.....July 29—Aug 13
Cinco Senores.....Special Meeting, Aug 14
Cosmopolitan, Gopher, 50c.....July 29—Aug 11
Copp, Sierra.....Annual Meeting July 30
Columbia, Tuolumne co., $2.....July 30—Aug 15
Chase & Cornwall, Amador Dist. 25c.....Aug 9—Aug 20
Central American, Cold Hill, $1.....Aug 2—Aug 22
California, La Paz. 75c.....Aug 8—Aug 22
Cassell, Indian Springs District, $1.....Aug 2—Aug 17
Caledonia T. & M., Cold Hill, $1.50.....Aug 12—Aug 24
Cossette, Arizona, $1.....Aug 13—Aug 27
California, Virginia, $12.50.....Aug 12—Aug 25
Cedar Hill T. & M., Virginia, 50c.....Aug 24—Sep 12
Crown Lead, Mariposa, $1.....Aug 18—Aug 30
Calaveras Iron Mt. Copper, 50c.....Aug 19—Sep 3
Consolacion, Sinaloa, $5.....July 25—Aug 10
Consolacion.....Annual Meeting Aug 5
Cosala, Sinaloa, $1.50.....Aug 12—Aug 24
Caldwell, Cove.....Special Meeting July 30
Correl Viejo, Sonora, $7.50.....Aug 15—Aug 29
Chipiouèua, Mex., $5.....Aug 1—Aug 13
Coral Hill, Lander co., 25c.....Aug 26—Sep 12
Chihuahua & Western Summit, Esmeralda.....Sale Aug 22
Chihuahua & Western Summit.....Annual Meeting Aug 15
Cbrysopolis, Virginia, $1.....Sep 5—Sep 20
Camargo, R. R., $1.....Sep 1—Sep 17

Diamond, Santa Cataliaa, 10c.....Aug 11—Aug 27*
Dane, Esmeralda, $1.....Aug 8—Aug 20*
Daniel Webster, 20c.....Aug 8—Aug 27*
Dexter T. & M., R. R.....Adv June 11—Sale August 1*
Diana, R. R., $2.....Aug 20—Sep 1
Dubuque, Oaleha, $1.....Adv July 14—Sale July 30
Dacota, R. R., $1.....Adv July 22—Sale Aug 6
Durand.....Special Meeting Aug 1
Del Norte Comstock, Low Divide, 20c.....Sale July 30
Da Soto, Star, $2.50.....Aug 27—Sep 12

Eagle Quartz, Amador co., $2.....Sep 1—Sep 17*
Enterprise Copper, Placer co.....July 9—Aug 9*
Enterprise Copper, Placer co.....Removal of office Aug 15*
Eureka M. & M. Co., Lander county, $3.15...Aug 13—Aug 27*
Egery, Tulare co., 10c .....Adv July 16—Sale July 30*
Excelsior, Reese River District, 25 cents...Levied March 22*
El Toro, Mex , $1.....Adv July 16—Sale July 30
Eclipse, Sierra 50c.....July 30—Aug 13
El Taste, Mex., $3.....Aug 8—Aug 18
El Tesoro, Lower Cal., $2.....Aug 8—Aug 23
Eureka, Coal, Alameda co., $1.....Aug 16—Aug 29
Emilia, Guerrero, Mex., 25c.....Aug 2—Aug 20
El Dorado, Virginia, $2.....Aug 15—Aug 31
Ethan Allen.....Annual Meeting Aug 1
Empire State, Contra Costa, ...Assessmeut 10c
Eureka & Elizabeth Cons., Calaveras co., 10c..Aug 18—Sep 1
El Tigre, Durango.....Sale Aug 3
Enreka Coal, Alameda co.....Annual Meeting Aug 19
Eyla, Summit, 50 c.....Aug 23—Sep 8

Forest Queen, Amador Co., 50c..Adv July 16—Sale August 1*
Flor de San Antonio.....Annual Meeting Aug 2
Franco Americana, San Antonia, $20.....July 20—Aug 1
Figaro, San Antonio, 25c.....Aug 27—Sep 8

Those marked with an asterisk (*) are advertised in this journal.

Good Hope, Alpine, 75c.....Aug 24—Sep 10*
Great Western, Keyes, Mono co., $1.....Aug 27—Sep 14*
Good Return, Cons., Tulare, $1.....Aug 24—Sep 10*
Great Western T & M. Co., Aurora, 25c....July 30—Aug 17*
Great Western T. & M. Co., Aurora.....Meeting Aug 6*
Gobernadora, Lower Cal., 70c...Adv July 16—Sale Aug 1*

Guadalupe del Aguajito, 50c..... Aug 20—Sep 1
Green, Gold Hill, 50c.....Adv July 18—Sale Aug 1
Gold Canon, Gold Hill.....Sale Aug 10
Grattan, 20c.....Aug 1—Aug 13
Gold Hill Tunnelling, Gold Hill, $1.....Aug 13—Aug 26
Gov. Seymour, R. R. $1.....Aug 10—Aug 23
Goodwin.....Annual Meeting Aug 1
Grosh Cons., Storey co., 20c.....July 16—Aug 3
Great Cons. Boise, Idaho, $1.25.....Aug 23—Sep 10
Great Central, Weaver, 25c.....July 23—Aug 10
Gem Hill, Summit, 25c.....Sale July 30
Golden Rule, Tuolumne, 50c.....Aug 25—Sep 14
Guadeloupe de los Angelos, $1.50.....Aug 23—Sep 2
Great Central, Smoky Valley, 50c.....Aug 29—Sep 10

Heidelberg, Marin co., 10c.....Aug 20—Sep 5*
Henry & Barnard, Weaver, 10c.....Aug 20—Sep 5*
Hale & Norcross, $25.....Aug 22—Sep 7
Hornitos, Hornitos, $1.....Aug 24—Sep 6
Hinchman, El Dorado co., $4.....Adv July 20—Sale July 30
Halleck, Alpine co., 30c.....Aug 2—Aug 22
Hawley, Devil's Gate, $7.50.....Aug 1—Aug 20
Highland Chief, 25c.....July 19—Aug 4
Harmon, El Dorado co., $5.....Aug 9—Aug 27
Humboldt Canal, $3.....July 23—Aug 10
Henry Clay, Lander co., 50c.....Sale Aug 16
Hartford, Gold Hill, $1.....Sale Aug 1
Heckendorn, Calaveras.....Annual Meeting Aug 6
Hornitos.....Annuul Meeting Aug 4
Hornitos, Mariposa, 75c.....Aug 24—Sep 6

Illinois, El Dorado Canon. A. T.....July 30—Aug 29
Illinois, Sunoky Valley 50c.....Aug 13—Sep 2*
Imperial, Arizona 50c.....Sale Aug 2*
Independent, R. R., $1..Adv. June 21—Sale July 9, Gold Hill
Iowa, Virginia, $6.....Aug 19—Sep 5
I X L.....Special Meeting Aug 17

J. J. Crittenden, R. R. 25 cents..Adv July 16—Sale August 3*
J C Fremont, Sil. Mt. 4 ass'ts at 25c....Adv Aug 1—Sale Sept 1
Josephine Copper, Calaveras Co., $2.....July 30—Aug 13
Joe Lauc, R. R., 50c.....Aug 11—Aug 24

Kate Lamar, R. R., 50c.....Aug 27—Sep 16*
Kelsey, Eldorado co.. 10c.....July 27—Aug 27*
Keokuk, Contra Costa, 15c.....Aug 27—Sep 10*
Kate Lamar, R. R.....July 2—Aug 6*
Kentucky, Mmc. Fellx, 50c.....July 30—Aug 16
Kohler Bros., San Antonio, Mex., $1.....Aug 16—Aug 27

Libertad, Mex., $5..... Aug 20—Sep 5*
Libertad, Ures, Mex., Caution.....Adv July 23*
Lady of the Lake.....July 23—Aug 35*
Leland, Arizona, 50c.....Sale Aug 26*
La Traviata, Calaveras co, 50c.....Aug 13—Aug 27*
Lancaster, Palmyra.....July 16—Aug 3*
La Candelaria, Mex..... Adv July 16—Sale August 5*
Laurel Hill, $1.....Adv July 17—Sale July 30
Lone Star, Lander co.....July 30—Aug 13
Lochinvar, Gopher, 50c.....Aug 5—Aug 16
Louisiana, R. R., $1.....Aug 13—Sep 2
Los Angeles, Arizona, $1.80.....Aug 1—Aug 15
Lucerne, Gold Hill.....Sale Aug 1
La Palma, San Antonio, Mex.,25c.....Aug 18—Aug 30
Londoa Quartz. Siskiyou co., $1.....Aug 1—Aug 15
Logan, Arizona, $2.....Sale Aug 4
Legal Tender, Lander co., $1.....Aug 9—Aug 24
Lady Bryan, Flowery, $3.....Aug 24—Sep 10
La Blanca, Sonora, $2.50.....Aug 22—Sep 5
La Fernandez, Hermosillo, Mexico.....Aug 25—Sep 9

Mosquito, Calaveras co., $5.....Aug 13—Aug 29*
McElroy, Palmyra.....July 16—Aug 3*
Mount Zion, Clayton Dist., Contra Costa, $1. Aug 11—Aug 27*
Moscow.....Meeting, Aug 1*
Melones & Stanislaus, C. H, $2.50..Adv. July 30—Sale Aug 13
Mandot, Del Norte, 50c.....Aug 1—Aug 13
Musidora, San Antonio, 50c.....July 30—Aug 13
Mount Washington, Devil's Cate, $2.....Aug 26—Sep 10
Manchester, Monitor, $1.....Aug 16—Aug 31
Mammoth Ledge, Del Norte, $1.....July 29—Aug 10
Mina San Felipe, San Antonio, 50c.....Aug 6—Aug 17
Michigan, O H, $10..Adv July 9—Sale at Cold Hill August 10
Marla, Mex. 75c.....Adv July 18—Sale July 30
Mina Rica de Las Flores, Calaveras county .....Sale Aug 10
Mohtor, R. R.....Adv. June 22—Sale July 30
Morning Star, Alpino Co., 75c.....July 30—Aug 3
Mineral Hill, Mono co., 50c.....Aug 7—Aug 20
Mary Frances, Silver Mountain.....Annual Meeting July 30
Marathon, Mono co., 50c.....July 27—Aug 10
Metropolitan, Silver Mountain, 20c.....July 27—Aug 10
Monster Cons., Santa Catalina, 50c .....Aug 8—Aug 20

North Star, Santa Catalina, 10c.....Aug 11—Aug 27*
Nonpareil, Tuolumne co., $5... .. Adv July 8—Sale Aug 4
Napoleon, $5.....Adv July 14—Sale July 29
North Potosi, Virginia, $12½.....Adv July 16—Sale July 30
North Star, R. R., $2.....Aug 20—Sep 2
Nevada Copper, Nevada co., 50c.....Aug 13—Aug 25
Nuestra Señora de Guada', Mex. $1.....Aug 20—Sep 5
Nelson, Inyo.....Sale Aug 17
New England Cons., Santa Catalina, Aanual Meeting Aug 22
New York Quartz, El Dorado co., $1.25.....Aug 20—Sep 2
New Era, Tuolumne co., 50c .....July 30—Aug 11

Ossipee, Eldorado co., 5c.....Aug 27—Sep 13*
Oxford Beta, Esmeralda, 50 cents,.....Aug 13—Aug 31*
Ozark, Gold Hill, 10c.....Adv July 16—Sale July 30
Overman, Gold Hill, $30.....Levied June 7—Sale Aug 10
Osceola Hill, 25c.....Adv July 20—Sale July 30
Open Sesame, Clayton District, $1.....Aug 12—Aug 27
Occidental, Los Angeles co., 30c.....Aug 6—Aug 20
Occidental Copper, Del Norte, 40c.....Aug 1—Aug 25
Overman.....Sale Aug 16, Gold Hill
Occidental Copper, Soledad.....Annual Meeting Aug 24

Porter, Virginia, N. T., $5.....Aug 27—Sep 10*
Palma, Sonora, Mex , $1.....Aug 27—Sep 10*
Pena Silver, Lower California, $3.....Aug 20—Sep 3*
Polat Arena Petrolcum .....Meeting Aug 9*
Porter, Butte co., 50c.....Adv July 16—Sale Aug. 3*
Prince Imperial, Calaveras co.....July 30—Aug 17
Peninsular, San Antonio, 50c.....July 30—Aug 13
Paris, Gold Hill, 50c..... Aug 13 Aug 27
Patrocina & Dolores, Mex., $2.....Aug 13—Aug 24
Pennsylvania, Calaveras.....Sale Aug 2
Planet, Arizona, 50c..... ....Aug 25—Sep 7
Prince Imperial.....Annual Meeting Aug 1
Peninsula, San Antonio, $10.....Aug 23—Sep 9

Queen of Antilles Cons., R. R., 5c.....July 30—Sep 2*
Quartz Mountain, 40c.....July 30—Aug 19*
Quartz Hill, El Dorado co., 40c....Adv July 23—Sale Aug 10*

Rose Matilda, Santa Catalina, 10c.....Aug 11—Aug 27*

San Francisco Stock & Exchange Board and Pacific Board of Brokers.

WEEKLY REPORT OF PRICES BID AND ASKED.*

WASHOE STOCKS.	ASSESS.	SHARES.	Saturday. BID.	Saturday. ASKED.	Monday. BID.	Monday. ASKED.	Tuesday. BID.	Tuesday. ASKED.	Wednesday. BID.	Wednesday. ASKED.	Thursday. BID.	Thursday. ASKED.	Friday. BID.	Friday. ASKED.
Ophir	1,400	16,800	535	540	535	540	500	515	475	480	412	425	415	430
Gould & Curry	1,200	4,800	500	1,600	1,610	1,642	1,575	1,500	1,520	1,480	1,500	1,360	1,380	1,020	1,030
Savage	800	800	2,000	960	1,000	1,510	1,600	1,450	1,500	925	975	875	975	975	1,100
Chollar	1,400	5,600	800	330	350	330	340	325	332	300	315	310	320	300	325
Potosi	1,400	2,800	500	950	1,000	950	900	930	1,000	965	1,000	965	985	910	980
Hale & Norcross	400	800	500	—	600	—	—	—	—	—	—	—	—	—	—
Sierra Nevada	3,000	3,000	500	—	—	—	30	14	25	11	30	15	—	10	25
Daney	2,000	800	50	—	40	—	30	25	40	20	30	25	30	20	35
Burning Moscow	4,100	4,100	500	9½	10	13½	14½	14	14½	14	14½	12½	14	12	12½
North Potosi	2,000	2,000	250	64	66	65	67	48	52	50	52½	47	52	35	37¼
North American	4,100	4,100	300	—	—	45	—	—	—	—	—	—	—	—	—
Lady Bryan, F D	5,000	5,000	100	35	—	30	—	34	—	—	—	—	—	—	—
Buckeye, D G	3,000	2,800	100	2	2¼	2½	3	3¼	2½	—	3½	3½	3¼	3¼	—
Balt. American	2,600	2 600	500	1¾	2	1¾	2¼	2¼	3¼	4	2¼	3¼	12	5	2¼
Uncle Sam	1,200	1,200	200	215	240	150	250	200	200	175	200	120	200	100	300
El Dorado	1,600	1,600	500	—	—	1	6	1	2	¼	2½	½	1½	¼	¾
Burnside	2,800	2,800	500	—	—	—	1¾	—	1	—	—	—	—	—	1¼
Adriatic	2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—	—
Pride of West	1,400	1,400	100	—	3	—	3	—	—	—	2	—	1½	—	1¼
Imperial	184	4,000	500	145	150	148	152½	142½	149	145	15½	141¾	147½	135	142¾
Crown Point	600	1,200	100	—	—	—	—	—	—	140	155	—	—	—	—
Seneca	—	—	—	6	15	8	15	8	15	6	—	—	—	8	12½
Caledonia Tun'l	—	—	—	—	1¼	—	2	—	—	—	1½	—	—	—	3
Bajazet & G Era	4,000	4,000	300	—	20	—	20	—	—	—	20	—	—	—	—
ESMERALDA.															
Wide West	1,400	1,400	2,600	7	10	8¾	10	7½	9	7¼	10	9	9¾	10	12
Antelope	1,200	1,200	600	—	50	20	50	6¾	10	9	9	8¾	—	10¼	—
Esmeralda	1,600	1,600	1,000	—	—	—	—	—	—	—	40	15	—	—	50
Real del Monte	4,400	4,400	400	—	—	10	—	—	—	5	10	—	5	10	5
Utah	1,600	1,600	250	10	—	15	27½	16	25	17½	20	—	25	—	—
Goldn Age & Em	2,600	2,600	250	—	—	—	—	—	—	—	—	—	—	—	—
				13	18	—	18	—	18	—	—	—	18	10	11
COSO.															
Josephino	9,600	4,800	2,500	—	—	—	4	½	4	—	—	—	—	—	4
Coso	2,600	3,600	600	—	—	—	—	—	1	—	—	—	—	—	—
COPPER.															
Napoleon	2,700	2,700	600	—	75	—	60	—	50	—	50	—	45	—	45
Live Oak	—	—	—	—	70	—	70	—	70	47½	70	—	60	—	50
				27½	37	32½	38	35	45	40	40	—	50	42½	50
CALIFORNIA.															
Blue Ledge	1,000	1,000	1,200	1½	2¼	—	2	2¼	3	2½	2¾	2½	2⅞	2½	2¾

*—The first line of figures opposite the name of each Company represents the Stock Exchange, and the following line the Pacific Board.

Rhode Island, Mono co., 25c.....Adv July 16—Sale July 30*
Real del Monte, Esmeralda..... Sale Aug 22
Royal Eagle & Cliff, Gold Hill, $1.....July 27—Aug 13
Rancheria, San Antonio, $1.....Aug 18—Aug 31
Rosario and Carmen, $1.....Aug 20—Sep 2

Sisters, Augusta, R. R., 2 ass'ts 15c each.....July 30—Aug 31*
Standard, Amador, R. R.....Sale Aug 22*
Steamboat, Star, Humboldt co., N. T. 50c...July 16—Aug 3*
Silver Age, Lander co., $1½.....July 30—Aug 10*
Schmeltzer, Humboldt co .....Sale Aug 3*
Schmeltzer, Humboldt co.....Meeting, Aug 3*
Superior, Alpine co., 50c..... ..Adv July 21—Sale Aug 2
Sumner, $5 .....Adv July 22—Sale Aug 11
Santa Rosa, Virginia, $1.....Adv July 18—Sale Aug 3
St. Nicholas, Lander co., $1..... .....July 26—Aug 10
San Marcial, Sonora Mex.....July 26—Aug 15
Sixty Ninth, Sierra co., 3c.....Levied June 25
Sierra, Ormsby co., $2.....July 27—Aug 15
Simpson & Bassell, Carson Valley, 30c.....Aug 6—Aug 7
Soledad, Los Angeles co, 25c.....Aug 9—Aug 22
San Francisco, Gold Hill, $5.....Aug 2—Aug 16
Sweet Vengeance, Yuba co.....Annual Meeting Aug 1
San Marcial, Sinaloa..... Sale Aug 6
Salvatierra, Catalina Island, 50c.....Aug 8—Aug 22
Segregated Crown Point, Gold Hill, $25.....Aug 9—Aug 22
Scott Mining and Exploring, Humboldt, 75c..July 31—Aug 15
Sharon, Gold Hill, $1.....Aug 3—Aug 15
Superior, Plumas co., 50c.....July 30—Aug 13
Scottish Chief, Humboldt co., $1.....Aug 9—Aug 24
Salambo, Tuolumne co., 50c..... .....Aug 16—Sep 3
Santa Rosa de Ures, Mex.. 50c.....Aug 15—Aug 27
Starlight, Humboldt co., 50c .....Aug 1—Aug 20
Starlight, Humboldt.....Annual Meeting Aug 8
Sigol, Humboldt, $1.....July 23—Aug 8
Saratoga, Tuolumne.....Salo Aug 1
Siempre Viva, Sinaloa, $2.50.....Aug 20—Sep 3
Santa Teresa de Jesus, Cucurpe, Mex., 50,.....Aug 20—Sep 5
Sides, Virginia.....Sale Aug 12
Santa Fe, Virginia.....Sale Aug 6
Sailor, Calaveras co., 20c.....July 30—Aug 13
Sierra, Douglas co., $2.....Aug 1—Aug 15
San Francisco, Gold Hill, 40c.....Aug 18—Aug 31
Santa Anna, San Antonio, Mex., 10c.....Aug 19—Aug 31
Star of Hope, Alpine co, 35c.....Aug 19—Sep 5
Santa Cruz, San Antonio, $2.50..... Aug 22—Sep 2
San Antonio, Chiquito, Mex.....Sale Aug 31
San Lorenzo, Santa Cruz, 50c.....Aug 22—Sep 7
Sierra Consolidated.....Annual Meeting Aug 8
Sarah Frances.....Annual Meeting Aug 1
Sumner, Cove.....Annual Meeting Aug 1

Tellurium, Pine Grove dis., Amador co., $1..Aug 13—Aug 27*
Tallulah, Sierra, $15.....June 17—Aug 9
Tecorlpa.....Sale Aug 8
Tennessee, Coso.....Annual Meeting July 25
Teutonia, San Miguel, 25c.....Aug 6—Aug 20
Taurus, Lander County.....Annual Meeting Aug 2
Toledana.....Annual Meeting Aug 10
Triunfo, San Antonio, $1.....July 15—July 30
Texas, R. R. 50c.....Aug 13—Sep 2
Tecumseh, Copher, $3..... Aug 22—Sep 6
Tesoro, Lower California, $1.....Aug 18—Aug 31
Tennessee, Echo, 50c..... Aug 13—Aug 30
Tecoripa, Hermosillo.....Annual Meeting Aug 4
Toledona, Mariposa, 25c.....Aug 22—Sep 9
Teutonia, Mount Diablo.....Special Meeting Aug 23
Tranquillon, Fresno.....Annual Meeting Aug 15
Tecumseh.....Adjourned Meeting Aug 18

Union, Copper No. 2..... Annual Meeting Aug 1
Union, Sierra co..... Annual Meeting Aug 8
United States, Lander co, 5c.....July 23—Aug 8
Union, Sierra co., Dividend:.. .....Payable July 15

Vulcan, Lander co.....Annual Meeting Aug 2
Veatch, Clifton..... ... Sale Aug 22
Union, Echo,.....Annual Meeting Aug 3

Well Partridge, Weaver, A. T., 12½c..... July 30—Aug 27*
Wide West Cop., Calaveras co., 20c.....Aug 13—Aug 27*
Wellington, Santa Catalina, 25c.....Aug 17—Aug 31*
Warfield, Placer co., 15c..... Aug 6—Aug 22*
Whitman, Indian Springs, $7½.....Adv July 21—Sale Aug 1
White & Murphy, Virginia.....Adv July 22—Sale Aug 9
Williams, Silver Mountain, 25c. 20c & 25c..... Aug 1— Sept 1
Washoe, No. 1, Gold Hill, $2½.....Adv July 14—Salo July 30
Wm. Penn Cons.....Annual Meeting Aug 18

Yankee Blade, R. R., $2.....Adv July 25—Salo Aug 10
Yosemite, R. R., 50c.....Adv July 20—Sale Aug 3
Yellow Jacket, Gold Hill.....Annual Meeting Aug 1
Young Harmon, El Dorado co., 25c.....Aug 8—Aug 23
Yellow Jacket, $30 per foot.....Levied July 21
420, Virginia, $6.25.....Aug 22—Sep 6

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also — Eds. Press,

Sales of Mining Shares

For the week previous to Saturday, July 30.

By the San Francisco Stock and Exchange Board, and Pacific Board of Brokers.

NAMES OF COMPANIES.	SHS. SOLD.	HIGHEST.	LOWEST.	CLOSING.
Burning Moscow	317	14½	9½	12½
Blue Ledge	45	2½	2½	2½
Baltic	85	20	10	10
Buckeye	80	4	2¼	3
Bullion	35	55	40	42½
Chollar	110	350	300	300
Crockett	45	2½	1¾	2½
Daney	40	25	25	25
El Dorado	259	4	50c	50c
Gould & Curry	230	1590	950	965
Golden Age & Empire	30	13	10	10
Imperial	96	150	138	143
Lady Bryan	1929	4½	2	4½
Mt. Davidson	10	3¾	3¼	3¼
Michigan, G. H.	10	12½	12½	12½
Melones	55	10	8	9
North American	100	44	32½	32½
North Potosi	210	58	35	35
Nevada, J. G.	28	20	8	11½
Ophir	386	535	415	430
Potosi	87	1025	950	935
Real del Monte	15	1½	1½	1¾
Sheba	20	30	30	30
Utah	10	19	19	19
Uncle Sam	12	260	225	225
Wide West	21	10	9½	10
Yellow Jacket	20	500	415	425

Gold in New York.

Saturday, July 23.....260.
Monday, July 25.....253
Tuesday, July 26.....256½@258¾.
Wednesday, July 27.....255.
Thursday, July 28.....244@249.

Legal Tender Notes.

San Francisco, Friday, July 29..... 41 per cent.

It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Mechanical and Patent Department.

PORTABLE BREASTWORKS.

Mr. Fay, of Petaluma, to whom we alluded last week, as having invented a novel arrangement which he styles "portable breastworks," has brought a model of his invention to this city, and submitted it to the inspection of quite a number of gentlemen, both civil and military. The invention has elicited no inconsiderable interest and comment. Many of the civil, and some of the military gentlemen, who have examined it, have expressed a decidedly favorable opinion with regard to its utility; but generally, the latter have held their opinions somewhat in reserve, evidently restrained by the influence of omnipresent red-tape.

One military gentleman, whose opinion should carry great weight in this community, as well as at the East, acknowledged that under certain circumstances this invention might prove of the highest value, and sometimes might even turn the tide of battle. The same gentleman, however, subsequently remarked that it would probably meet with little favor either from the War Department or the common soldier; that it would not be of sufficient service to warrant the expense and trouble of transportation, and would in all probability be abandoned to the enemy on the first reverse. The cost of transportation, in his opinion would prove an effectual barrier to its introduction. We confess our inability to reconcile these two opinions. It appears very much like "wireing in and wireing out;" but regular military officials are proverbially slow in the adoption of anything new pertaining to their profession.

The cost of transportation appears to be the chief objection to the practical use of this new invention. As its effectiveness, when on the field in an open country, does not appear to be called in question, let us examine into the real merits of this objection. Now, the power required to move a twelve pound cannon will move twelve of these machines, and they are far more readily handled on any kind of a field than the lightest field piece—excepting only a field covered with brush—and when in a line of march, from point to point, may be taken to pieces, and a dozen of them so transported, occupying no more space than a heavy field piece.

Military authorities have spent much time in calculating the immense weight of iron or lead expended on the field of battle in the killing of one man, resulting in an estimate that the weight of a man in lead, or the weight of the cannon in iron, was necessary to place one of the enemy *hors du combat*. Now from the admissions already made with regard to its utility, we think we may fairly assume that in ordinary conflict one of these machines will at least save as many lives as admitted estimates show that an ordinary field gun will destroy. Then in point of transportation the comparison stands as twelve to one in its favor—that is, a given amount of power brought into requisition to transport these portable breastworks, would save the lives of twelve of our soldiers, while the same power, applied to the transportation of cannon, would only result in the killing of one enemy. We presume no military officer who has examined this invention, will question that it would have been of great value to the attacking party at the seige of Lexington; to Grant at Vicksburg; or that they might be of great advantage in the open country around Atlanta or south of Richmond.

In offering his invention to the country, Mr. Fay is actuated by none but the most patriotic motives; he only desires that the government may give it a fair trial, and allow our brave soldiers such protection as it may and will afford them against the fire of the murderous rifle-pit and concealed sharpshooter. Bodily infirmities alone prevent him from taking the field, rifle in hand, with or without his invention, and he will feel himself amply repaid for any time or money expended in the invention of this, in our opinion, invaluable auxiliary to our repeating rifles and brave soldiers. Asking and expecting no pecuniary benefit from this invention, and only desiring to aid, in any way open to him, in the deadly struggle for the life of our glorious nation, he has boxed up his model and will forward it, by express, to the President, hoping that at headquarters it may receive that careful consideration which appears to be denied it in the Department of the Pacific.

We presume not one civilian in a hundred who would carefully examine its merits, would fail to pronounce a favorable judgment upon it. Government, in considering its utility, will do well to reflect upon the fact that our navy have already suffered severely from the effects of an invention which was first tendered to that department and by it pronounced worthless, but which afterwards, owing to the lack loyalty of the inventor, found its way into the harbor of Charleston, and its projector into Fort Lafayette.

The invention of Mr. Fay consists simply of a shield of the best steel plate, jointed in two pieces, placed upon two wheels, and capable of covering the persons of four or five combatants, or a much greater number when moving in column. The shield is carefully balanced on its support, and is moved very much as an ordinary hand cart. It is placed at such an angle as, when constructed of a quarter-inch plate, careful experiments have proved will be a perfect defence against the most destructive rifle ball which can be projected by any class of arms now known. A slight modification of construction and increase of weight, will render it effectual against ordinary field artillery.

A NEW PROCESS FOR WORKING ORES.—The Washoe *Herald* of the 21st says that Mr Frink, proprietor of Frink's Mill, has received intimation from the Patent Office that he has been granted a patent for a process for working ores of silver. The *Herald* further states that "the process, which will be made public in a few days, effects a great saving in the cost of working ores, besides obtaining a larger percentage of metals than by any other process now in use. Mr. Frink is well known as an experienced, practical man, and there is therefore every reason to believe that his patent possesses what he claims for it."

IRON FOUNDRIES IN OREGON.—The *Oregonian*, of a late date, in alluding to the iron works of Messrs. Jones & Co., of Portland, says:—

We doubt if there is a better establishment of that character on the coast, and the large number of men employed attest the work already commenced to be done in Portland for the surrounding country. Besides the business of manufacturing quartz mills, engines, arastras, etc., for the mining regions, orders for machinery for saw mills, steamboats and different other enterprises are crowding upon our foundries. The establishment of Mr. Monnastes has just turned out some very important castings for business purposes, and will in a few days commence on a very heavy piece, for pile-driving. At the Oregon Iron Works several quartz mills are in the course of construction, and among them one to be manufactured for a company in the Santiam mines. This will be the first mill for that locality, and will be in operation by the 15th of October, when it is anticipated Santiam will "pungle" pretty largely. We have great facilities in Portland, at the present time, for supplying orders for machinery.

IMPROVED AMALGAMATING PAN BOTTOMS.—Messrs. Mathews & Lowell, of Virginia, according to the Washoe *Herald*, have recently invented a new substance for the bottoms of amalgamating pans, for which an application for a patent has been made. This substance is formed of calcined quartz, put through some peculiar process by the inventors. Those who have used it say that it effects a remarkable saving in both quicksilver and the precious metals.

NEW WINDMILL.—Dr. E. F. Hough, of Martinez, says the Contra Costa *Gazette*, has invented a novel form of windmill, and erected one for his own use which seems to possess several advantages over those commonly employed In point of safety, degree of power and facility of control, as well as cheapness, it is thought to be so useful as to induce the inventor to get out a patent for the same.

A FOUNDRY AT DAYTON.—Geo. B. Taylor and John Hardinge, says the Dayton *Sentinel*, have completed their arrangements for the immediate construction of a Foundry in this place. The site of the same is near the river, on Mineral Rapids street. Both gentlemen are practical and experienced workmen.

Engineers' Association.

An Engineers' association has recently been organized in Gold Hill, N. T., the purpose and object may be inferred from the following extract from a communication recently furnished the Gold Hill *News*:

It is a well known fact that many of the engineers who are now employed in this Territory, are not, nor never were competent to take charge of machinery, and run it in a safe and profitable manner. This being taken into consideration by many well known engineers, and widely known for their skill and ability, resulted in the formation of this association, which was formed as much for the benefit of those owning mills and steam mining works, as themselves. It was not formed for the purpose of a "strike," or to conflict with the present rate of wages, but to prevent, if posible, incompetent persons from ruining and destroying the machinery which they are placed in charge of, and to assist mill owners and superintendents in procuring good and reliable engineers; a thing which is almost impossible at this time. The association admits none who are not competent and who cannot pase the examination of a committee of five master mechanics and engineers, who are elected by the association for this purpose. Their constitution differs materially from all other such associations, as this excludes none who are competent to pass, whether they are superintendents, mill owners or foremen. By admitting such men, it gives the association a good and solid foundation, and creates a desire to see it live and flourish, which otherwise could not be expected or looked for. So far their meetings have been public, in order to give all an opportunity to hear the reading of their Constitution and By-Laws, which none can find fault with, and which are said to be one of the best which has been adopted by any society of mechanics. It is to be hoped that those having charge of mills and mining works, will look and inquire into its objects, and give the society such encouragement as it really deserves.

IRON SMELTING IN COLORADO.—The Denver (Colorado) *News*, says that Messrs. Marshall & Co., have their furnaces for smelting iron ore in successful operation. The iron made is of a very superior quality; exceedingly strong, tenacious and easily worked. The yield of metal from the ore is about forty per cent. Though not very rich, the cheapness with which it can be worked, fully compensates for a deficiency in the yield. The ore is all picked up upon the surface of the ground; consequently there is scarce any expense for mining.

Mr. Marshall thinks that about two months run of the furnace will supply this years' local demand for iron. If so, operations will cease about the first of September. Those who want to see the works in operation should visit them before that time.

This is one of the most important manufactories yet started in Colorado. It should be made to supply every want in that line. A large share of the iron for the Pacific railroad should also be made here, where the best of iron ore is found in inexhaustible quantities.

QUARTZ MILL—NEW INVENTION.—H. A. Gaston, says the Reese River *Reveille*, is the inventor of a new arrangement of stamps in the battery of a quartz mill, and has applied for a patent on the improvement. This invention consists in combining the principle of the trip-hammer and the old-fashioned battery. Mr. Gaston has constructed a working model of his invention, which may be described as follows: Standing on a bed frame are three upright frames, in one of which is the battery of four stamps; in the center frame are pivoted the levers, that act similar to trip-hammers; in the next frame is the cam-shaft. By turning the shaft the cams here down upon the levers, raising the stamps at the other end. The action seems to be very easy and regular. It is claimed that the stamps can be made to run with much greater rapidity by this method than by the old one of the cams acting directly upon the stamps.

CARD'S AGITATORS.—The new Agitators, recently invented by Mr. Wm. L. Card, and lately put in operation at the Ogden Mill, according to the Gold Hill *News*, are proving all that was anticipated for them. The stuff that runs through them is the same that formerly passed off as waste. The apparatus is cheap and but little power is required to run it. So far as tried, the agitators have proved capable of saving per day about ten pounds of quicksilver and about half a pound of dry, well strained amalgam. This is certainly worth saving. Their value as concentrators has not yet been tested.

VOLATILE SOAP, for removing paints, grease spots, etc., may be made as follows: Four table spoonsful each of spirits of hartshorn and alcohol, and a table-spoonful of salt. Shake the whole well together in a bottle, and apply with a brush or a sponge.

HOW TO MEASURE AN AMOUNT OF LIGHT.

In the multiplicity of the various mediums for illuminating purposes, some convenient and approximately reliable method of measuring the illuminating power of various substances, may be considered a matter of some importance at the present time. We find a great difference, not only in candles, but also in various kinds of oil in use. It is a matter of no inconsiderable importance as well as interest to learn which gives the most light for the least money. The cheapest oil or candle is not always the cheapest light. The proportion of light giving power of any material, can be measured with a very great degree of exactness, in the following manner:—

Take two lamps, the wicks of which are of equal size, place them upon a table which stands a few feet from the wall, and place a stick between the lamps and the wall, in such a way that the lamps will cast a shadow of the stick upon the wall. The lamps being at equal distances from the object, the strongest flame will cast the strongest shadow upon the wall; turn down or raise the wicks until both lamps throw an equal shadow. The lamps having been weighed at the beginning of the experiment, and being so adjusted that they give an equal amount of light, are determined by the stick, are allowed to burn for some hours and then weighed again. Of course the lamp which has lost the least, contains oil of the greatest illuminating power. Candles can of course be tested in a similar manner.

SOMETHING NEW UNDER THE SUN.—We were yesterday shown the model of a novel and ingeniously arranged quartz mill. The model is one-twelfth the size of the working machine, and is very neatly constructed. The machine of a size for actual working of ores will be 22 feet in diameter, and 24 feet high, circular in form. It is calculated to be driven with horses, and the inventor claims that two horses will be able to run thirty stamps with ease, though this is but one fourth the number of stamps calculated to be placed in the complete machine. There will be one hundred and twenty stamps, each weighing three hundred pounds, standing in a circle around the circumference of the main driving-wheel, which is twenty two feet in diameter. Fixed upon the circumference of this huge wheel are inclined planes filled with friction-wheels, by means of which the stamps are lifted. When all the stamps are going, eight fall every second. The mill can be started with ten or fifteen stamps, and others can be added as required. Eight horses will run the whole one hundred and twenty stamps, and drive the whole of the amalgamating machinery, which is inside of the circle of stamps and below them. The amalgamating machinery is unlike any in use in the Territory, or in the world. We know of no way to explain it in words. We may say, however, that the pulp is stirred by agitators fastened upon the same wheel that drives the stamps. There is absolutely no machinery about the whole mill. Nothing but an upright shaft with a large wheel upon it, just like a common whim. It is upon the top of this wheel—which is well represented by the drum of a whim—that the inclines are placed which lift the stamps. The crushing part is like a Howland rotary battery on a huge scale. We were also shown by Mr. Wilkins the model of a most ingenious furnace, or rather furnace and steam boiler. The furnace is for roasting ores preparatory to crushing. It is upright, standing sixteen feet high, and is eight feet in diameter at the bottom and six feet at the top. The same fire which roasts the ore generates the steam in the boiler, which surrounds the roasting furnace, there being a space of two feet on all sides for the water. Mr. Wilkins says a boiler of the size mentioned above will generate sufficient steam to drive a forty-horse power engine. It is a most ingeniously contrived affair, and, besides roasting ore and generating steam, does all the retorting, and condenses and saves all the sublimated metals escaping from the furnace.—*Territorial Enterprise.*

IMPROVED HOISTING APPARATUS.—We notice in the *Scientific American* a cut and description of an improved hoisting apparatus, for which a patent is being taken out by the inventors, McIntyre and Reeves of Central City, Colorado. From the paper before us we judge it to be cheap, convenient, and complete. By its use two buckets can be operated at once, hoisted or lowered as the shaft is thrown into communication with one or the other set of gears alternately; thus two shafts may be worked by having a line of iron shafting extending over the mouths of both pits, one man being able to care for both buckets.

HEADACHE.

Headache is not generally a disease in the head itself but a sign or symptom that something is wrong in some other part of the body. In almost every case it is accompanied by cold feet, costiveness, disordered stomach, or a derangement of the nervous system in general—this last induced by over-mental exercise or some local irritation in a distant part of the body. In all these cases, an application to the head itself is only palliative, eradicates nothing, cures nothing. If the feet are cold they must be made permanently dry and warm, thus drawing the excess of blood away from the head. If the bowels are costive they must be made to act once every twenty-four hours, freely and habitually, without the use of any medicine. If headache comes on at regular times after eating, then indigestion is the cause, and such food should be used, both in quantity and quality, as will not be followed by this symptom. But if the feet are habitually warm and comfortable, if the bowels act once regularly every day, and if it is clear that the headache is not connected with the eating, then its cause must be found in some part of the system remote from the head itself, and it is safest and best to take competent and medical advice, if trouble, anxiety, or over-mental exertion is not the palpable origin of the ailment In most cases, very severe headaches will disappear in twenty-four hours, by giving the scalp, face, and whole body a most thorough cleansing with soap, warm water, and a scrubbing-rag; taking nothing but cold water and some kind of soup into which has been broken the crust of cold or toasted bread, and some out-door activities for several hours in the forenoon and afternoon also. Headaches in children should always be promptly attended to, as they indicate the approach of serious diseases, as scarlet fever, small-pox, measles, and other grave skin affections. Billious headache is caused by the liver abstracting too much or too little bile from the blood, giving pain in the shoulder, sick stomach, loss of appetite, depression, pain in forehead. Hysteric headache gives pain in a small spot over the eye-brow, as if a nail or wedge were driven in. Pain on the top of the skull often arises from exhaustion or debility. A pain over the brow, coming on at a regular hour daily, not lasting long, is in the nature of fever and ague, and sometimes feels as if the skull was opening and shutting. The *Megrims* are of this nature, the pain beginning at the inner corner of the eye, making it tender and red, sometimes affecting half the head, perfectly disappearing and returning at irregular intervals Sometimes hereditary. A dull aching or rather soreness, especially on pressure, at the back of the head, brow, or temples, is rheumatic headache, caused by uncovering the head while perspiring; cured by light diet, dry feet, warm clothing, free bowels, and moderate out-door exercise in clear, dry weather.

Washoe Pottery.—Mr. Lowell, proprietor of the Washoe Pottery, has been at work for two years in perfecting his arrangements at that useful institution. According to the *Herald*, he has now so far accomplished his purpose as to be able to turn out most articles of earthern ware in great perfection, and at a cost which enables him to sell at prices less than the freight usually charged upon such merchandise. He manufactures milk pans, bread pans, water coolers, jars, pots and pans for domestic purposes, in brown stone ware of really excellent quality, besides fire-bricks, crucibles, muffles, mullers, filters, and other stone ware for mills and merchants, burning a kiln of wares about once a month.

A California Enterprise.—S. G. Elliott, Chief Engineer of the California and Oregon Railroad, says the *Flag*, visited the battlefield of Gettysburg, as a matter of curiosity, and it occurred to him that an accurate map of that historical ground would be a source of public interest, and following up this idea, made a survey and map which he has just had engraved in Philadelphia. This map shows the location of the Union and rebel breastworks, where the batteries were placed, and also locates all the graves of the killed in that fearful encounter. This latter feature is something new in map making, and it shows the intensity and deadliness of the struggle at the various points as the killed of both sides were buried on the spot where they fell. On examination the map becomes of absorbing interest, and it is invaluable as a record of those three days' battles, and preserves for all future time, the vivid outlines and features of that sanguinary struggle, where the life of the American Republic hung for days suspended in the balances of a doubtful issue. The map will soon be for sale in California.

There is a species of grass indigenous to localities around Austin, Nevada Territory, which poisons horses and other animals which eat it. Many valuable horses have died from its effects.

A Long Fall.—While the workmen in the Michigan mine, at Gold Hill, a few days since were engaged in hoisting up water in a large mine bucket, the iron ring, being an inch in thickness, and which connects the same with the cable, suddenly broke, just as the bucket reached the top of the shaft—letting the bucket fall down to the bottom of the shaft, a distance of four hundred and eighty feet, breaking it into a thousand or less pieces. The bucket was a large iron bound one, and there was scarcely a piece the size of a man's hand. The *Enterprise* thinks it very fortunate that there was no one within range of the bucket during its descent, as in such a case there must certainly have been some bones broken.

Scientific Exploration.—According to the Colorado *Mining Journal*, Gov. Gilpin, of that Territory, accompanied by a small party of scientific gentlemen, has started on a tour of observation through the region known as "The Parks." The Governor, says the *Journal*, is as enthusiastic as ever in his study of the great physical characteristics of the interior. His lecture last winter, in New York, on the "System of the Parks, is pronounced, by those who had the pleasure of hearing it, very able and interesting. The present expedition is undertaken with a view of bringing into more prominent notice the peculiar features of that section, and proving up its availability as the supporter of a dense population.

Talent vs. Money.—Who ever heard of a statue being erected in memory of a man of wealth, merely. Men of learning, of talent; men and women who have become noted for deeds of charity or patriotism are often immortalized in enduring marble, and their images are gazed upon by future generations with feelings of profound respect and veneration. But what would be the feelings with which we should regard him whose only claim upon the memory of posterity was his wealth? His statue, if one should be erected, would be spit upon and reviled, and his memory would be a by-word and reproach among men.

Sliding Out.—It is a curious fact, said to be noticeable along the city front, east of Drumm street, that the filling in above is gradually pushing the piling, on which that portion of the city is built, further out into the harbor. Sometimes the piles hold at the bottom, and are merely pushed over, outwards; at other times the entire mass of earth, into which the piles are driven, is pushed bodily along, carrying with it the superstructure. Real estate has generally been considered permanent property, but here, in some parts of San Francisco, it seems to take legs and walk away.

Salt Well Near Stockton.—The Stockton *Independent* says that parties digging a well for stock water on the Sears ranch, between that place and Manley's Ferry, a few days since, after going down six feet, struck a vein of water which filled the well almost to the top, but it was as salt as the waters of the ocean. This well is on the plains, and must be thirty feet above the level of the San Joaquin river. There are five or six other wells on the ranch, all furnishing drinkable water but this one.

Gold, that fancy article of modern speculation, especially in the hands of New York brokers, has, in a measure, ceased to be a standard of value in the United States. It no longer represents the price of flour or pork, or indeed of the staple articles of home culture or home manufacture, but has become, itself an article of merchandise, being bought and sold in store, like so much flour or bacon, only in safer quarters.

The New Sugar Refinery, located at Clark's Point, on Sansome street, fired up on Wednesday, for the first time. They expect to be in full operation on Monday next. Efforts have been made by the San Francisco and Pacific Refineries to bring about a combination, with a view to a uniform tariff of prices, but as yet without success. Combinations are the curse of California, and it is to be hoped a sugar monopoly may not be added to the list.

The Keokuk Copper Mining Co., located on Mount Diablo, have recently sent an expert to examine and report upon the character and condition of their mine. That report is now before us and speaks most encouragingly of the character, present condition, and future prospects of the mine. It appears that the company has a tunnel driven in which intersects the lode at a distance of almost fifty feet from, it shows a ledge about four feet wide with a very favorable appearance of copper for that depth. The report says:—

From the innermost end of the tunnel I find that you have a shaft sunk to the depth of seventy-five feet, following the course of the lode. The combination of the lode is sulphurets of copper, and I should say that you have silver, which is of the most favorable indications for large deposits of copper, but would remark that I do not think you have enough silver to be worthy of your attention at present. The lode or vein in the bottom of the shaft is of a most favorable character, and producing good stones of copper, and has much improved in sinking the last 20 feet both in width and character. The vein is composed of the most congenial material that copper can exist in, and is at this point about three feet wide with two good and well defined walls.

The inclination of both lode and strata is dipping at an average angle of about 40 degrees to the west. This is as good an angle as any copper lode can have for large results.

I would recommend you to continue sinking your shaft until it reached 100 feet below the level of your tunnel, and then to drive north and south on the course of the lode, as I am satisfied you will find something at the depth which will pay you for the development of such levels as may be required.

After a careful examination of the strata of the neighborhood for some miles around, I find that the strata is quartzite chlorite shales, and this bed belongs as much to the sedimentary series as the shales themselves, and belongs to any system of copper lodes or veins enclosed by walls in fissures or rupture containing rock.

You have now at the surface quite a quantity of copper ore to be dressed, which will pay well for dressing if it is properly done.

In conclusion, I beg leave to state that I consider your Keokuk mining property well worthy the attention of any mining company, and think that you will soon get some good results.

Ants.—A correspondent furnishes the Marysville *Appeal* the following dissertation on ants. The experiment is worth trying: "The season is at hand when these little busy bodies enter on their labors. It sometimes happens, in spite of the great care of the housekeeper, that these pests find their way into something, such as a bowl of sugar, or a dish of meat, fruit, &c. Penetrating into every crack and cranny, and stinking most villainously when disturbed. It is a matter of some moment to know how to remove them without exciting their ire. This may be effectually done by the following means, the result of careful observation of the habits of these gentry: Ants do not desire to remain in any article of food they may invade, any more than the rebels wish to stay in Maryland. They are simply raiders—loading themselves with plunder, and then trudge off to their nest with it and return for more. It is only necessary to move the infected dish or jar from place to place, taking care not to let it remain in one spot long enough for the ants to establish anew their line of communication from it to the nest. Thus the loaded ants will be continually leaving, while there will be no reinforcements arriving. The quantity carried off will be trifling, and the rest will be unharmed. In this way I have saved whole sacks of sugar and dried meat, which would otherwise been worthless.

Good at Expedients.—In anticipation of a night assault, Gen. Baldy Smith recently ordered a large quantity of telegraph wire to be intertwisted among the trees and undergrowth which lay in front of his position. When, therefore, the rebels charged the entrenchments in the dull light, hundreds of them were tripped down unable to tell the cause. As they lay upon the ground our musketry fire kept many of them from ever rising more. As with the first line so with the second. They met the same fate. The third fared no better, and this simple agency of a telegraph wire, interlaced among the trees, played more havoc in the rebel ranks than anything else.

An old bachelor in New York offered a young lady a pony for a kiss. She gave him the kiss. He refused her the pony. She sued him. He pleaded "no consideration." The court decided that a kiss was a legal consideration.

There are complaints in Utah that the mountain streams are all drying up, and apprehensions that the late crops will not all mature.

Report on the Live Oak Copper Mine.

To the President and Board of Trustees of the Live Oak Copper Mining Company:—

Gentlemen: It is with much pleasure I receive your instructions for a report upon this mine, because months ago, during my official tour of inspection in Calaveras county, you will find the Live Oak claim, in my report to the Mining and Scientific Press, most favorably mentioned as a true and reliable vein.

At that time it seemed difficult to impress upon those concerned, the fact that vigorous working upon your present plan would result in developing one of the best mines in the district. Knowing I then spoke honestly and truly in the matter, I was willing to bide my time, being convinced my judgment would be vindicated in the end. The activity you now display in thoroughly opening a mine of which, from the first, I entertained so high an opinion, and in which I have unbated confidence, is a source of gratification to me.

My attention was first drawn to the "Live Oak" from finding such an admirable formation at the Tecumseh, the claim adjoining on the north. On afterwards visiting the Live Oak, I found the formation and rock even better than at the Tecumseh, with the additional advantage of a magnificent cast of mundic. Although you have been a long time in finding out the truth, there can be no doubt in the mind of any competent judge, that an eminent mining engineer, whose report is also before you, is right in saying "the Live Oak shows immensely on the surface, with such other indications as safely predicate final success."

To parties desirous of investing in the great copper interests of the State, which will in a few years be far in advance of all others, the Live Oak presents opportunities which cannot be questioned. The location is also favorable, affording good facilities for working, with an abundance of wood, and other requisite materials.

I have no hesitation in saying that a comparatively small expenditure of capital and labor will make this mine as safe a mining investment as any in the State.

Leon Harnett.

San Francisco, July 27, 1864.

The Hole in the Sky.—More remarkable, perhaps, on account of its singularity, is the hole in the sky (for it appears to be nothing else)—the dark space known to sailors as "the coal sack." It is well known, even to those who have never seen them, that one of the peculiarities of the southern heavens are dark and starless specks, but the "coal sack" may be termed black in comparison with the surrounding sky. It lies on the left of the cross as it faces an observer, and nearly touches the lower part of its major axis, which it equals in hight. The curious abruptness and freshness of the broken and oval-shaped outline of its entire circumference, suggests the idea of its having been formed by violence. It looks as if the canopy of heaven had been shot through. The edges of two or three folds or strata, so to speak, are seen on the left side more particularly in receding perspective, and gradually leading to and blending in what appears to be black, lightless space beyond. Placed at the south pole, and so unlike anything else in the sky, it has an aspect of special design where all around is for design. It can be imagined to be a place of exit or ingress for mighty rushing forces; the adit from light to a Tophet of outer darkness, or a "black Gehenna," with the cross shining before it.—*Vigne's Travels in South America and Mexico.*

Effect of Light on the Magnetic Needle.—Few persons are aware of the fact that light exerts a perceptible effect on the action of the magnetic needle. The Swedish philosopher, Wrede, totally excluded light from his magnetic observatory, with the exception of a subdued light at a considerable elevation vertical to the horizontal needle, while the arc was read off by a telescope, at a distance of several yards from the instrument. Means, with the same end in view, ought to be adopted in every magnetic observatory, otherwise no reliance could be placed on the observations. It was evident that the more deliberately the magnetic needle was suspended, the more obnoxious it would be to the effect of artificial light in the operation of reading off the instrument. In proof of the effect of every description of light on the magnet, Sir John Ross mentioned that, during his last voyage in the *Felix*, when frozen in about 100 miles north of the magnetic pole, he concentrated the rays of the full moon on the magnetic needle, when he found it was five degrees attracted by it.

A passenger line has been established between Umatilla and the Boise mines. The travel from Oregon to the upper country has greatly diminished.

Springfield Armory has on hand 265,000 guns—the largest number this arsenal ever held.

Mining and Scientific Press.

W. B. EWER,.....Senior Editor.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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Our Circulation.—The Mining and Scientific Press has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

San Francisco:
Saturday Morning, July 30, 1864.

MINING SHARE MARKET.

The Mining Share Market is flat and spiritless beyond all precedent. But one single instanee of improvement, and that of minor consequence, has been noted sinee our last issue; while some of the leading shares have manifested a most remarkable want of stability. Quite a number of members of the Stock Boards have beeome delinquent during the week, which, no doubt, has exerted an important influence in still further increasing the general distrust and depression which is now so prevaleut among dealers in shares. The time of returning confidence is douhtless quite in the future, and will only he reached hy a more general introduction of economical reforms coupled with a higher tone of morality than has hitherto obtained in mining management and mining stock transactions. On and after Monday hut one session of the S. F. Stock and Exchange Board will he held and that at noon.

Gould & Curry has still further and largely declined from $1,500 to $950 cash, and $940, seller 30 days.

Ophir is still on the decline, and has dropped since last issne, from $530 to $415, at which figure it sold yesterday morning. We understand from a gentleman who has just reached this city from Washoe, that the developments at the north end, hetween the 6th and 7th galleries, are highly favorable, and such as, if continuous, indicate an early resumption of dividends hy this company. The working expenses of this mine have also been largely decreased of late—nearly one half—while about the same amount of work is heing done as under the former management.

Savage has been quiet; no transactions are noted. Holders are offering it at $975, with hidders at $875.

Challar, which was steady on Saturday last at $350, dropped to $300 before yesterday's board.

Potosi is firm at 980@985, with a fair amount of husiness.

North Potosi has dropped dnring the week from $56 to $35.

North American has still further declined, $40 to $32½, but with less husiness than last week.

Imperial still remains firm at ahout previons figures. It may he quoted at $143.

Burning Moscow is still quiet, and held at about last week's figures.

Lady Bryan still maintains its activity; shares to the number of 1929 having changed hands since our last issue. This stock dropped as low as $2 on Saturday last, since which time it has gradually improved to $4¼, at last evening's board.

Yellow Jacket has been firm during the week. at from $425 to $500.

Melones again made its appearance in the quotations of Thursday and Friday, at from $8 to $10.

Golden Age and Empire is quoted at $10@$13; Daney, at $25; Mount Davidson, at $3¼; Blue Ledge, at $2½; Buckeye, at $3.

Bullion (G. H.) has met with considerable husiness at from $42½@55.

Nevada (G. H.) has still further declined; dropping from $20 to $11½.

Uncle Sam suddenly dropped, on Wednesday. from $250 to $225. The prospects of a call for heavy assessments to liquidate the indebtedness of the company, is assigned as a reason for this decline.

Michigan is quoted at $12½; Crockett at $2½; Utah at $19; and Sheha at $30.

El Dorado which sold at $4 on Saturday, gradually declined to 50 cents before yesterdays' hoard, at which figure 174 shares changed hands.

Real del Monte has met with but a single transaction and that at $1½, assessment unpaid.

Baltic which was firm last week at $25, sold at $20 on Monday and Tuesday, at $15 on Thursday, and yesterday it dropped to $10.

MANAGEMENT OF MINING COMPANIES.

The public, at the present time, is particularly sensitive with regard to all mining reports which reflect mismanagement upon any particular mine, and possibly may he too ready to receive, as truthful. reports which have found their way to the public ear through irregular channels. As a general thing, however, if any companies or the officers of any mine are thus unfairly dealt with, it is hecause of their own neglect in making their stockholders acquainted with the true condition of the miue, and its finanees.

The latest case in point is the *expose* of the officers of the Grass Valley company at Washoe, which recently appeared in the Virginia *Union*, and the substance of which we give below. In re-producing that artiele, it is hut justiee to the secretary of that company that we should state that he has made an emphatic deuial of the whole matter in a card, which he published over his owu signature, in the Territorial *Enterprise* of Wednesday last. It is noticahle, however, that while he puts in this denial, he makes no effort whatever to show what has been done with the money which has been drawn from the stockholders, farther than to intimate that the company is engaged in a lawsuit with the Potosi, and that lawsuits cost money. Why does not Mr. Hopkins give the stockholders the figures at once, and quict the public mind, whieh is now so feverish and easily excited in matters of this kind. There certainly can he no good reason for witholding them. The more public the affairs of a corporate company are made, the better it is for all who look only to honest dealings with regard to the affairs and stock of such companies.

Until the figures and proofs are given we fear it will he very difficult for Mr. Hopkins to satisfy the puhlic that the management of his company has heen honest and straight forward. Evidences are very strong of mismanagement, unfairness and corruption.

The people have become fully impressed with the idea that they have been most outrageously swindled in the management of, at least, some of the mining companies, which have of late heen prominently hefore the puhlic, and it is only hy bringing out to the world and holding up to righteous scorn all such swindling transactions that the mining community can wipe away the reproach which certain known and self evident swindling operations have heaped upon the great leading and truly important interest of the Pacific Coast. Let all who would see that interest once more placed upon a healthy hasis unite in exposing swindling operations of every description which are carried on in the name of mining. Let the guilty actors in all such transactions he held up to the puhlic scorn and indiguation which they deserve; let them he regarded as the worst of theives and robbers.

It is high time that mining operations were carried on with more prudence, economy and honesty; and the advice we have time and again given should be more carefully heeded, that stockholders should closely scrutinize the characters and anteeedents of trustees and officers. The hest way to keep them honest is to require frequent reports of the condition of the mine and the finances of the company. We append the article alluded to from the Virginia *Union*:—

C. N. Felton and S. M. Atchinson are stockholders in the Grass Valley Mining Company, and heing of an incredulous nature, and not placing entire faith in the integrity of human nature generally, and trustees in particular, they refused to pay their assessments, and in order to prevent heing "sold out," applied for an injunction to restrain the eompany from the act. An order was granted by the Court for the examination of the company's books. Such an examination has been made by an expert accountant. The result as reported to B. C. Whitmau, the referee in the case, has been plaeed in our possession, and for the purpose of enlightening those stockholders who may he lahoring under the delusion that their assessment money has been wasted, we will give a brief synopsis of the receipts and expeuditures of the company, merely remarking that figures of arithmetic, unlike figures of rhetoric, won't lie.

The total amount of assessments levied by the company amounts to the sum of $109,200. Of this sum, $39,062 03 is still delinquent, leaving $70,137.97 of cash received. Of this amount $3,837.48 still remains in the cash till of the company, and $66,309.50 has heen expended in the following judicious and economical manner.

For labor, $5,280.74; crushing ore, $379.34; Stewart & Baldwin, attorneys' fees $5,000; Stewart & Baldwin, loaned, $2,130; A. W. Baldwiu, loaned, $2,625; Judge Hall, attorney's fees, $2,500; salary of G. D. Roberts, $6,000; paid to the order of G. D. Roberts, in small sums, $2,300.50; G. D. Roberts, loaned, $397; M. C. Hillyer, salary, $3,000; M. C. Hillyer, loaned, $1,414; M. L. Sloss, salary, $2,000. Loaned to the following gentlemeu who were witnesses for the Grass Valley Company: G. W. Humphrey, $3,589.56; William Chollar, $2,885; L. Wardle, $3,754.88; J. Anderson, $1,092.10; M. R. Williams, $1,000; W. E. Goodrich, $570; Louis La Page, $50; W. Henderson, $100. Loaned to the following gentlemen, not witnesses: A. B. Dibble, $920; A. Meyer, $214.75; Jessie Barney, $30; A. B. Dibble, $200; and to various other parties of whieh no particulars are given, $6,990; paid to John Doe, (!) $500; paid attorney's fees (no name given) $500; paid out. nobody knows where or how. no aeeount heing made of the same, $10,587.58. Total sum expended, $66,300.50.

It will be observed that of the sum of $66,300.50 expended, only $5,280.74 has heen devoted to developing the mine, and $769.34 for crushing rock, *no results being given for the crushing.—Virginia Union.*

New and Ingenious Quartz Crusher.—Dropping in at the Golden State Foundry a few days since, we notieed the working model of a neat and ingeniously contrived quartz crusher, designed for hreaking up the rock preparatory to its going under the stamps. It would he impossihle to give an intelligent description of it without an illustration. We can merely say that it does its work hy means of a moveable jaw working against a stationary one, the motion heing communicated by a novel and ingenious arrangement, quite different from anything else of the kiud in use. A slight grinding motion is given to the lower portion of the jaw, which adds greatly to its efficiency. The inventor thinks that hy using two of these machines, making the first so as to feed into the second, the quartz may he reduced fine enough to pass directly to the paus. He is now constructing a working machine, which will require ahout six horse power for driving it which he designs to place in the Mechanics' Exhibition, where it will douhtless attract great attention. The inventor is Mr. W. W. Hanscom, draughtsman at the Golden State Foundry, on First Street. To all appearances the new machine promises to he of much importance.

New Machinery.—The Golden State Foundry, in this city, are now manufacturing a splendid 40-horse power engine for the Belcher, Baldwin & Abernethy company, Washoe, which will he completed in ahout six weeks. Also a 25-horse power engine with hoisting gear, for the Challenge mill, Amador county, which will be finished in a couple of weeks. This foundry is also manufacturing Blake's stone breakers, one of which machines will be in operation at the coming exhibition. The proprietors of the Golden State intend setting up one of their steam engines in the Pavillion.

River Mining throughout the State is commencing with unusual briskness, giving promise of an unusual gold harvest from now till the middle of Decemher at least. The streams have never heeu lower since the advent of white people in the State, and the only fear on some streams will he the prohability of their running light for washing purposes.

ELECTION OF OFFICERS.

Alta Coal Mining Co.—Meeting, July 27th. Trustees, J. E. Jorgensen, Romeo Mauvais, A. Expert. President, J. E. Jorgensen; Superintendent, Romeo Mauvais; Secretary, A. Martinon.

Baltimore American G. & S. M. Co.—Meeting, July 23d, 1864. Trnstees, Geo. B. Reeve, B. F. Sherwood, A. E. Head, Benj. Price and Wm. M. Stewart. President, Geo. B. Reeve; Secretary, J. H. Sayre.

Dios Padre G. & S. M. Co.—Trustees' Meeting, July 23d. President, John Sime; Seeretary, E. C. McComb.

420 Silver Mining Co.—Meeting, July 19th. Trustees, Joseph Grant, E. F. Stone, Joseph P. Thomson, Joseph Woodworth and Thos. Findley. President, Joseph Grant; Secretary and Treasurer, Thos. J. Lamb.

Whitlock & Sherlock M. Co.—Meeting, July 26th. Trustees, C. D. O'Sullivan, Richard Tohin, Patrick Hussey, M. Cody and John Sullivan. President, C. D. O'Sullivan; Secretary, John M. Burnett; Treasurer, Hugh Dimond; Superintendent, Frank Maxon; Secretary, J. M. Burnett.

Note.—Secretaries are invited to send us reports of their elections, together with any facts or information which may be of general interest concerning their works.

Dunbar's Patent Self Adjusting Piston-Packing is now being successfully introduced on this Coast. It is so constructed as to require no springs or serews; is always steam tight, with hut little friction, and never hecomes loose or leaky. It can he applied to any engine, old or uew. Mr. Charles Minturn introduced this packing in the cylinders of the ferry boat Contra Costa, in Novemher, 1863, and after a thorough test and trial of six months, adopted the same to the engines of the Clinton. It has heen in successful use on the locomotive of the Oakland railroad, since August, 1863. We are aware of numhers of others in the city and interior who are using it with universal satisfaction. It appears to he equally well adapted to large or small cylinders. Those of the Contra Costra and Clinton being 28 inches with 9-feet stroke; Chase's hoisting engine, which is also using the packing, possesses a 5-inch cylinder with 10-inch stroke. For cylinders which have become loose from wear, Dunbar's patent is the practical remedy. The agent's advertisement will be found in another column.

The Wanhoe Stock Market.—The cause of the absence of our nsual "Washoe Stock Report," for the past two or three weeks, will he discovered in the following item, which we clip from the Washoe *Herald* of the 21st inst:

Many of our suhscribers at a distance write to inquire why we do not record the transactions in the stock market in this city. For the information of all such "anxious inquirers" we will state, that for the last thirty days there has not heen half a dozen *bona fide* sales in this city. The Stock husiness is absolutely dead. We observe, however, that there is an attempt heing made to galvanize the present inanimate carcass of the stock market; hut whether it will succeed it is heyond the power of the "oldest inhahitant" to tell at present.

French Silver Coinage.—Silver hullion is so scarce in France that the government finds it almost impossihle to keep up the silver coinage in that country. The people will melt it up. As the only resort, to remedy this evil, the government has determined to reduce the commercial value of its silver coin, hy adding ahout seven per cent of alloy. The French chemists are recommending zinc instead of copper for an alloy, its cost heing less—only one fifth that of copper—also from the fact that it tarnishes less readily with sulphureted hydrogen, than copper. The absence of verdigris under the action of acidulated liquors is also spoken of as another advantage.

Large Charcoal Pit.—A coal pit is, or was recently, huruing in Genesee Valley, which, when the fire is put out, will produce about ten thousand hushels of charcoal.

The Pony express over the mountains has now been discontinued; letters are carried through, however, by the regular stages in the same time, and without extra charge.

THE MECHANICS' INSTITUTE FAIR AND PAVILION.

Active progress is being made toward the completion of the pavilion for the approaching Fair of the Mechanics' Institute. The large dome, which forms the most conspicuous portion of the structure, is nearly ready to be raised to its position, on the supporting columns which rise to a hight of forty feet from the central portion of the floor of the main structure. The dome will have a diameter at its base of 100 feet, and at its highest point will be 110 feet from the ground. Some idea of its hight, when placed in position, may be inferred from the fact that the tower of St. Mary's Cathedral, on California street, might stand beneath it without touching its skylight. This immense structure weighs sixty tons and will be raised to its place by means of jack screws. When put in position it will present a light and graceful appearance of itself, and entirely relieve the main building from the low and "squatty" appearance which it would otherwise present.

The structure as a whole, when completed, will present a most notable specimen of architectural skill and design. The chief points aimed at by the architect have been gracefulness of outline, lightness with strength, and inexpensiveness of construction. These three ideas have been most happily combined, and the building itself will form one of the chief and most imposing displays of mechanical skill connected with the exhibition. It covers 43,000 square feet—equal to an area of 430 feet long by 100 wide.

It will readily be inferred from the above that the Pavilion will form a most commodious and convenient room for exhibitors, giving ample space for avenues by which visitors may pass from one point to another without jostling or annoyance. The central space under the dome, and directly in front of the main entrance, will be devoted to the Floral Department. The horticulturalists of Alameda and Santa Clara counties have signified their willness to unite with those of San Francisco in rendering this department the most magnificent and complete witnessed upon the continent. In no other spot within the Union can this be more successfully attempted than in this city. We have here the materials at hand to eclipse, if possible anywhere in the world, the Garden of Edon itself, and no more fitting place for such a display can be found than beneath the converging arches of this magnificent dome, the largest that has ever been framed on the American Continent!

This floral display will be made upon a succession of circular benches rising from the circumference to the center, and reaching far into the dizzy hights surmounted by the dome. On all sides around, radiating avenues will lead out into the various departments of the exhibition, taking the visitor forth into a maze of industrial exhibitions, chiefly of California product, which will there be most appropriately clustered around and in close proximity to the great central display of the varied and beautiful productions of nature brought into existence and nurtured beneath the genial skies and balmy breezes of our Golden-Gated State.

The Exhibition will open on Tuesday, the 30th day of August. The management could scarcely have been entrusted to abler or more energetic hands, by whom nothing within their power will be left undone to make it, as an exhibition of art, science and industry, as nearly Californian as possible, and every way worthy of the genius and industry of the Pacific Coast. Already, we are told, the larger portion of space has been taken up and applications are coming in every day.

The most gratifying feature which has yet appeared is the fact that the evidence is fast accumulating that about every available foot of room can be filled with articles of California and Pacific Coast manufacture, without the admission of anything foreign or from the Eastern States. The array of mining machinery, will comprise about every article of Californian invention in use, including amalgamating pans, separators and concentrators, stamps, crushers, etc., also improved water, steam and magnetic engines, of California invention. Tons of ore will be there from the various mining districts, with which to test the capacity of the mining machinery. The proprietors of the Pacific Foundry have proffered a fine, improved steam engine for motive power. The great wool interest of California will be fully represented, from the raw material through all the grades of quality up to a manufacture which for fineness would do credit to any of the older states. Glass, pottery, paper, cordage, sugars, liquors, wines, fruits fresh and preserved, and numerous other manufactures and productions of interest and value will be there, to testify to the wonderful industrial progress which our young State has made during the last decade.

The Art exhibition will not be neglected. Our home artists can now take an honorable position with their brothers at the East, and have very generally promised to do their part to add value to the exhibition by furnishing some worthy specimens of California art. Many of our citizens will lend their aid in the same direction, and give interest to this part of the exhibition, by loaning numerous gems of art of home and and foreign production, to grace and ornament the gallery of the pavillion.

The "art preservative of all arts" will also find a place in the exhibition. The executive committee have awarded to the publishers of the Mining and Scientific Press the privilege of a small space for a printing office, where we shall print and publish a daily paper, which will be made a fair and full expositor of the exhibition, and in the columns of which will be put upon permanent record a faithful description of whatever new may be exhibited in the way of machinery, manufacture or art.

There is fair promise, also, that one of the chief features of the exhibition will be found in the mineral display of rare and choice specimens, of all the rich and varied regions contributing to San Francisco as their commercial center. In this connection, we cannot do better than clip the following appropriate remarks from the Reese River *Reveille*, which would be equally pertinent, coming from any other of our mining districts:

"Much can be learned by attending the fair, both of the minerals of the different districts, and the various modes of working them. Many of the miners of Reese River are at all times stopping in San Francisco, while there are thousands of residents interested in the mines or other property of this section, and all would like to have the country well represented with mineral productions at so general and important an exhibition. At the present time there is a great depression in mining, and a feeling of doubt as to their value and the safety of investments in them. To dispel these doubts, and by placing our ores where they may be compared with those of other boasted sections side by side, we may thus show to every one the great superiority that we have boasted that our mines possess over all others. It is to be expected that all the mining sections of the Pacific will be represented, and should the miners of Reese River fail to properly represent their mines, the neglect would be criminal. There are a number of cabinets of minerals in the city that would do our mines justice were they to be sent to the fair and kept on exhibition. There are also several cabinets from single mines gathered and arranged by the owners of the claims, containing the different varieties of ores with bars of silver and rock that had been burned, showing the silver dew on the surface; with a description of the mine and the rock. Such a series of cabinets, forming a Reese River collection, whether from Cortez, San Antonio, Washington, Ione or Egan Canon would have a great effect in reassuring the people of the Pacific coast of the superior value of our mines. At the exhibition, the minerals will be seen by people from all the different mines and the most distant cities, who of course will carry home reports of what they have seen, and if we do our duty by ourselves, the report will be of great advantage to us. The people of California are deeply interested in our mines, and we are at present in a great measure dependent upon them, and we should on that account make as good a show as possible."

Those who have not already made application for room in the pavilion, and who intend to exhibit, should lose no time in doing so, as the classification and arrangement for the exhibition is a work of considerable time. Those who delay must necessarily find a less favorable situation for display than those who made application early.

A Terrible Boiler Explosion at Silver City, Nevada Territory.

About two o'clock Monday morning last the huge boiler of the Union Mill, at Silver City, exploded, tearing the whole mill to atoms and instantly killing Joseph Wilde, the engineer. Never before has there been a more tremendous boiler explosion on the Pacific coast. There is absolutely nothing left of the mill. The whole frame and everything connected with it was blown clear away. Had a ton of powder been exploded under the mill it could not have been more utterly wrecked. There were three persons besides the engineer in the mill at the time of the explosion, neither of whom received the slightest scratch. Mr. E. D. Smith, who had charge of the amalgamating department, was standing within ten feet of the boiler when the explosion occurred. He says that for several seconds there was a perfect rain of iron bars about him, all of which appeared to have been blown to a great hight in the air. When the explosion occurred his first thought was to rush for the door. When he discovered that there was no door, and that he was standing in the open air, he was so astonished that he could only stand still and wonder. The boiler was an immense one, being 40 feet in length and about 56 inches in diameter, with two ten-inch flues. Some of those employed about the mill think there was water in the boiler at the time of the explosion, but the majority are inclined to think it contained no water, and that the explosion was caused by gas generated in the highly-heated empty boiler. The boiler had been cleaned out the day before—Sunday—and there had only been fire under it about two hours. About the time the fire was started the engineer remarked that the boiler contained two much water, and that he would draw part of it off. It is thought that he was mistaken, and drew it down too low. There certainly could have been little or no water in the boiler when it exploded, as not a drop was felt by any of them in the mill, nor was any sign of water to be seen. The explosion resembled that of a large quantity of closely confined gunpowder, and must have been caused by the gas within the boiler. At the moment of the explosion the engineer was standing between the furnace and the engine. He was sent with such force against the engine bed that both of his legs were cut off just above the knee as smoothly as though done with an ax. His body went some feet further and fell in the amalgamating room, where his head came in contact with some of the iron machinery, mashing the top of his skull nearly off. His legs both lay above the engine bed, where they were cut off. The engine bed (which weighs about five tons, and which was fastened down by eight bolts of 1½ inch iron, ten feet in length, reaching down through solid masonry,) was turned up on its edge, and the engine was so twisted and warped as to be ruined. The boiler was torn into several pieces. A piece of the front end, two or three feet long, was thrown eastward and fell about twenty rods from the mill. The steam drum and a piece of the boiler were thrown northward from the mill and fell some rods away. Other small pieces fell in various places about the spot. Everything appeared to have been thrown nearly perpendicularly upward. The largest part of the boiler, some twenty feet in length, was thrown to a great hight in the air and fell on the hill west of the mill and about five hundred yards away from it. Part of the flues were still in it. It struck on the hill with such force that the rocks upon which it happened to fall were driven through its end. Where it lies on the hill is between one hundred and fifty and two hundred feet higher than the mill. The fly-wheel was broken to pieces, and nearly everything else in the mill on a level with or above the floor on which the boiler stood. The governor was wrenched from the engine, flew over Mr. Smith's head and landed on Grizzly Hill to the southward. The smoke stack is supposed to have been driven upward to the hight of *over a thousand feet*. A man living in a cabin near by was aroused by the shock of the explosion and came out of doors to learn the cause. He says that after he had been at the door some seconds he saw the smoke stack fall. It fell quite near the mill. There was a well at the west end of the boiler, of solid brickwork, four feet in thickness; against this was a retorting furnace of brickwork, seven feet through, making eleven feet of brick wall; not a sign of this remains to tell where it stood. About all that remains of the building is a section of the roof that rests on a battery frame, and another little piece that fell on the agitators. The battery frame appears to have been all that saved the men who were in the amalgamating department. As it was, bars and plates of iron flew over their heads and rocks and timbers rained down on every side of where they stood. The mill contained a thirty-five horse power engine, ten stamps and eight pans—nothing but the stamps and a portion of the pans are left. The loss must be at least $30,000. The mill was owned by George Hudson, of Silver City, but was being run by parties to whom he had leased it. An inquest was held on the body of the engineer yesterday. We are told that in giving in his evidence one of the parties who had a lease on the mill said he did not consider Wilde a good engineer, but thought he knew enough about the business to run the mill. Let this be a warning to mill owners against hiring persons who by their incompetency will not only endanger their property, but imperil the lives of all about their works. It is almost a miracle that a single man was left alive in the building; they undoubtedly owe their escape to the fact of their being near to the heavy timbers on the floor of the amalgamating room, which is some feet lower than the floor on which the boiler stood, so that most of the splinters and flying iron and rocks passed over their heads. It would be almost impossible for any person who has not been on the ground to believe that such a total wreck could be made of a mill—that a whole first-class quartz mill could in a second be blown away with hardly a timber left to show where it stood—but such is the fact. The explosion shook the whole town, as though an earthquake had occurred, and nearly all the inhabitants started in alarm from their beds.—*Territorial Enterprise.*

An inquest was held upon the body of Joseph Wilde, on Tuesday, and a verdict rendered that the explosion was occasioned by an insufficiency of water in the boiler, and the introduction of cold water upon the heated surface. No one was to blame for the accident but the engineer, the poor victim of the disaster.

The above careless accident and fatal explosion claims more attention than we are able to devote in this issue, and we shall give full comments at a future time.

Good Investment.—A friend and a constant reader of the Mining and Scientific Press remarked to us, the other day, that he got the value of his year's subscription out of the paper every month. Five dollars invested in the Press will yield a better dividend than ten times the amount invested in anything else that can be named. A new volume commenced four weeks ago, and now is a good time to subscribe. Back numbers furnished when desired. No miner or mechanic in California should be without it.

Artistical.—We had the pleasure, a few days since, of examining a beautifully colored photograph of a little four year old cherub, which excels in artistical finish and lifelike appearance, anything we had ever before seen in this line. The artist was Mr. Robert Winter, at the corner of Sacramento and Montgomery streets. We understand that Mr. Winter has but lately come among us. If the picture we saw is a fair specimen of his work, he has no superior on the Pacific coast.

Consider Your Interests.—Secretaries and shareholders, who believe in conducting the business of mining with prudence and economy, are respectfully and reasonably solicited to concentrate their mining advertisements in an active Mining journal. Our circulation and terms are such as render the Press a desirable medium for all mining notices, and your patronage, gentlemen, will enable us to extend the usefulness of your special advocate.

Work Suspended.—We understand that work has been suspended, for the present, by the Mount Diablo Coal Companies, and by the company at Corral Hollow. The greatly increased expenses of hauling from the mines to the river, in consequence of the scarcity and high price of feed, is given as a reason for this suspension. The next winter's supply of coal will probably be derived altogether from up the coast.

Salt Mill.—Messrs. Gartrell & Murray have put a salt mill in operation at Virginia City, which they are running upon Sand Springs rock salt. The grinding is said to be well done, producing an article of table salt equal to the best in the market—fine and white. The mill has the capacity for crushing one ton of the salt rock every two hours. They have at present on hand over 300 tons. Here is another source of wealth for Washoe.

Fires have been raging in the mountains above Oroville, proving very destructive to the pine trees, which have recently been tapped, in that region, for pitch.

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We keep constanly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

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THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
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DENTAL GOODS,	HERBS AND EXTRACTS,
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BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
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GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

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THE UNDERSIGNED GIVE NOTICE THAT THE ABOVE named corporation has been organized for the purpose of carrying on the Banking and Exchange Business, in all its branches, in this City and with the interior of this State, the neighboring State and Territories, and with Mexico; also with the At antic Cities, Europe, China, and the East Indies; for which they are provided with amp e facilities, and in conformity with articles of association will commence operations on the fifth day of July next, at the Banking House now occupied by DONOHOE, RALSTON & CO., corner of Washington and Battery Streets.

With the view of giving to the business of the corporation all the efficiency and promptitude of a private banking firm, together with that confidential seclusion of private business matters so generally desired, the immediate management of its affairs is committed exclusively to D. O. MILLS and WM. C. RALSTON as President and Cashier respectively, to whom, or either of them, the customers of the Bank will apply in all business matters. The regular meetings of the Board of Trustees will take place monthly.

The undersigned deem it advisable to call particular attention to the following peculiarities of their organization, which are positively binding on all its members:

First.—Sales of its Capital Stock can be effected only after due appraisement by Stockholders selected for that special purpose; and the Trustees of the corporation have, in all cases, the right to become purchasers of the Stock appraised at the appraisement, for the benefit of the remaining Stockholders. This restriction is printed upon each Certificate of Stock.

Second.—Loans cannot be made to Stockholders, except upon collaterals other than their Shares in the Capital Stock of this Bank.

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D. O. MILLS,	J. B. THOMAS,
LOUIS MCLANE,	THOS. BELL,
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San Francisco, June 18th, 1864. 26-1m

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Giving the Maximum Power with the Minimum Cost;
Having the Following as Some of its Advantages
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It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easie-t regulated wheel in use—There are now some 500 of them in use in the United States and Canada, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

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BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.

Buy and sell Exchange on California, Oregon and Western Cities.

Grant Letters of Credit, available in any part of the United States.

Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.

Receive consignments of produce from California and Ports in the Pacific.

Make advances upon approved merchandise consigned to our San Francisco house.

Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.

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AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.

Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. of the par value is always required.

We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,

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Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

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HUNT'S ENDLESS CHAIN
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Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly, of the city of New York, and Joseph A. Donohoe, William C. Ralston, and Ralph S. Fretz of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO., San Francisco, will cease on the first (1st) day of July, 1864. Eugene Kelly and J. A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the Banking House of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, Attorney.)
J. A. DONOHOE,
W. C. RALSTON,
R. S. Fretz.

San Francisco, June 13th, 1864.

THE UNDERSIGNED HAVE FORMED A COPARTNERship for the transaction of a general Banking and Exchange Business, under the firm name of DONOHOE, KELLY & CO., in San Francisco, and EUGENE KELLY & CO., in New York, commencing July 1st, 1864. Their Banking House in this city will be at the southeast corner of Montgomery and Sacramento steets.

EUGENE KELLY,
JOSEPH A. DONOHOE.

San Francisco, June 15th, 1864. 26-1m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
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BRIDLES, WHIPS, COLLARS, SADDLERY WARE, ETC.,

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No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

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OWENS & FINE,
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WILL ATTEND TO DRAWING MINING STOCKS, PAYING ASSESSMENTS, BUYING AND SELLING STOCK LOCATED
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OFFICE.—Mammoth Hotel, Main Street, between Second and Third, Silver Mountain. 20-3m

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Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 534 Montgomery Street.

REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Suther & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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Practical Assays made of Gold, Silver and Lead Ores.
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San Francisco, May 10th, 1864. 20

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J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

STEEL! STEEL!! STEEL!!!
OCTAGON, 7-8, 1in, 1 1-8,
SQUARE, 3-4, 7-8, 1in, 1 2in.
For Sale in lots to suit Purchasers by
J. S. CURTIS.
Office, 405 Front street, San Francisco. 6v8tf

D. NORCROSS,
MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.
augl7-tf Masonic Temple, No. 6, Post Street.

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.
Office of the Company No. 325 Montgomery street. 1tf

Lloyd's New Amalgamator
Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING the past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 600 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 15½ ozs., Ryerson's machine having only got 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold	$73 33
Silver	42
To the Ton	$73 76

The assay being made by Messrs. Molitor & Co.

From 2½ pounds of the same ore, worked for the same party, was obtained:

Gold	$63 30
Silver	04
To the Ton	$63 34

Assay made by Kellogg, Hewston & Co.

The mine from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $-5 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney Pan, $33 34.2 per ton; and over the works at the mill, $62 54.2 per ton. Result from 10 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $-.19, Silver, $1.52, amounting to $2.71-100—equal to $361.33-100 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Deetken, at his metallurgical works in this city, obtained by the Varney Pan $-.64 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 68 pounds of ore from the Lady of the Lake Company, Leland Lode, Big Bug District, Arizona Territory, worked for C. W. C. Rowell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $2 6.8-10. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Hewston & Co., yielded $7.58-00—equal to $111.60 to the ton. Difference in favor of Lloyd being $4.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines, can be addressed to the care of Messrs. Kustel Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMined the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes now in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the sands in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no apprec able loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no6-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the revolving of the muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested by the general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Hoosier Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS,
NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on wasie sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

Vulcan Iron Works Company.
P. TORQUET, Manager.
Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the finest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. JONVAL and other Turbine Water Wheels with latest improvements.

No. 137 & 139 First Street San Francisco. tf

Mechanical.

SAN FRANCISCO FOUNDRY
And Machine Works,
Corner Fremont and Mission streets,
SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.

☞ Steam Engines constantly on hand.

Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.

☞ REPAIRING promptly attended to.

DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHInery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KINO.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 1t tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.

Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

a. s. HINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the
LOWEST RATES.
HAYNES & LAWTON,
516 and 513 Sansome st., cor. Merchant, San Francisco.
1-3m

A New and Valuable Book.
PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Is written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.
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Wire Rope Manufacturers,
Established 1857.
Office, No. 412 Clay street—Works, North Beach,
SAN FRANCISCO.

After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for

HOISTING FROM DEEP MINES,
GUY ROPES FOR DERRICKS, &c.
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
SASH CORD FOR WINDOW SASHES,
ETC., ETC., ETC., ETC., ETC., ETC.

It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.

MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.

Wire Fencing Strand,
For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.

Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.

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We are prepared to erect, of any span and capacity, and take pleasure in referring those interested to the many structures of this kind built by us in California, Oregon and British Columbia, of span from 200 to 400 feet. 3-3m

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GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.

☞ Particular attention given to casting Rudder Braces and Ship Work in general.

☞ All Jobs promptly attended to.—Prices moderate. ☜
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[Removed from Oregon street, between Front and Davis.] j2tf

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THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.

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qy29-tf

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STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
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MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.

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DUNBAR'S
PATENT SELF-ADJUSTING
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Requires no Springs or Screws; is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
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Copper Crushing and Grinding.
Attend to all kinds of Grinding & Crushing,
—SUCH AS—
COPPER ORES, MARBLE DUST, FIRE-BRICK DUST,
And Feed of all Kinds,
All of which will be Ground at the Shortest Notice.
—ALSO—
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Works—No. 537 Market Street.
San Francisco, January 1st, 1864. 1-tf

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Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
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WOOD WORK FOR ALL KINDS OF MACHINERY.

☞ SCROLL SAWING DONE TO ORDER. ☜
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3-3m

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MARBLE WORKS,
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Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.

☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

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Quartz Mill and Reduction Works,
ARE PREPARED TO WORK GOLD AND SILVER ORES. in large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
WHEELER & THAYER, Proprietors.

C. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf.

Deetken & Co's
METALLURGICAL WORKS.
We respectfully inform the mining community in general, that having completed our

NEW SMELTING FURNACES

We are now ready to smelt every kind of Silver and Gold Ores. Parties unable to get satisfactory results by amalgamation, will find it to their interest to have their ore smelted at our works.

LARGE CONTRACTS ACCEPTED AT LOW RATES AND RESULTS GUARANTEED.

Facilities on hand to work all and every kind of Gold and Silver bearing ores as well as it can be done in Europa.

Amalgamation & Chloration

Carried on, on Silver and Gold ores as heretofore.

DEETKEN & CO'S Metallurgical Works!
Office, 315 Montgomery street; Works, San Bruno Road.
1v8m

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PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOGRAPHICAL MAPS AND MINING ENGINEERING IN ALL ITS BRANCHES.
☞ References given where required. ☜
26-3m

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—IMPORTER AND DEALER IN—
Juvenile and School Books,
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Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

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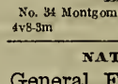
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Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**
613 Clay street, San Francisco.
122 J street, Sacramento. 3-6m

Owen's River Canal Company.
CAPITAL STOCK.....$1,000,000
10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,
Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

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Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

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Office of the Company 328 Montgomery Street. j1tf

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FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
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Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
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Member of Stock Exchange,
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J. K. REARD, STOCK BROKER,
MEMBER SAN FRANCISCO STOCK AND EXCHANGE BOARD, HAS REMOVED HIS OFFICE TO
5v8-tf No. 707 Montgomery street, Brokers Block.

COMMISSIONER OF DEEDS
For Arizona Territory,
B. W. MUDGE,
No. 528 Clay street, San Francisco.
16v8-3m

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

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Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.

Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
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ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
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THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

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Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.

Blanks of all kinds printed and ruled to any desired pattern. j2-tf

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Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps, Repairing of machinery promptly attended to.
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(Member of the San Francisco Stock and Exchange Board,)
Stock Broker and Real Estate Agent.
Office, 705 Montgomery Street, San Francisco. 18-m

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for Nevada Ter.
Office, Montgomery Block, 630 Montgomery Street,
10v8-2m SAN FRANCISCO.

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By FRONTIER & DEVIERCY.
437 Pine Street, San Francisco.
au31tf.

A. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

WM. H. H. FALL,
Commissioner for Nevada Territory
Office, 728 Montgomery St., San Francisco.
1v9m

GOVERNMENT HOUSE.
Northwest corner Washington and Sansome streets San Francisco.

Sixty-Four Rooms and Offices, in Suits or single
THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.
C. A. CRANE, Proprietor.
JOSEPH C. COLLINS, Superintendent. 3-3m

MUTUAL
Life Insurance Company,
—OF NEW YORK—
Capital, : : : : : : : $9,750,000.
H. S. HOMANS, Agent for California.
613 Montgomery corner Merchant street, San Francisco.
3-tf

Coal Creek Coal Mining Company.
Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building, corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President.
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:
JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Steering Ships by Telegraph.—A mode of steering ships by telegraph has been recently invented. The apparatus appears extremely simple. There is, in front of the wheel at which the helmsman is stationed, a neat stand-plate like a sun-dial stand, with an upright dial-plate, upon which works a hand or indicator, which is made transparent at night by a lamp. The officer in command has a similar dial-plate before him, connected with the first by a wire. By an ingenious contrivance a sharp sounding gong is struck with every signal, so that the man's attention is called to the dial-plate before him. The number of strokes directs the helmsman what to do in a storm or battle, when next to impossible to convey a message in any other manner; and thus many battles may be gained or lives saved

Miss Hall, residing near Petaluma, was severely burned by the explosion of a kerosene lamp on Tuesday last. She lies in a critical condition.

There is no doubt that a thoroughly organized band of horse-thieves exists in the Southern interior counties.

THE INDUSTRIAL EXHIBITION.

We feel that we cannot too often or too earnestly urge upon our mechanics, and all others interested, the importance of prompt and personal exertion to render the forthcoming Exhibition that which all desire and expect to see it—a perfect success, and an important stimulus to California industry. Those who have the preliminary executive management are doing everything reasonable within their power, to make it so; but all their efforts will be powerless unless properly aided by those for whose especial benefit the Exhibition has been planned. Every one who can, should feel it his duty as well as privilege to contribute whatever he can in aid of the enterprise. Let our mechanics and manufacturers and our tradespeople of whatever class or order, begin in season to make their arrangements and preparations. It is none to early to commence now. The Institute appeals to "all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and to forward for Exhibition such articles as they may invent, discover, or make that may be useful, instructive, curious or suggestive."

The invitation is broad and comprehensive, and the object in view to be attained, is noble and useful in an eminent degree. The rules and regulations of the exhibition will be found in our advertising columns, and any farther information, which may be desired on that point may be obtained by addressing William Paton, Corresponding Secretary.

The proprietors of the Mining and Scientific Press, have made arrangements with the Executive Committee for the publication of a daily issue of their paper at the Pavillion during the continuance of the Exhibition. Inventors and exhibitors will have a fine opportunity, through the columns of that paper to present the claims and advantages of their machinery, manufactures, goods, etc., to the thousands of strangers who will visit the city during the period of the Exhibition. We shall devote the paper exclusively to matters connected with the Exhibition, and those who desire illustrations, which are not already prepared, should attend to the preparation of the same at once.

July 16, 1864.

STILL IMPROVING!

VOLUME IX
—OF—
The Mining and Scientific Press
COMMENCES
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

The Proprietors of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the Press during the past six months. By aid of the accumulating patronage now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the Mining and Scientific Press substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,
An Economizer for Mining Advertisers,
A Reliable Reporter for Shareholders.
A Faithful Monitor for Stockdealers,
An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,
And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the Press can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

FOR ADVERTISING

Our terms are very reasonable. Mining Companies are especially favored by our rates, and careful attention is given to the publication of Mining Notices.

Office in Government House, Nos. 56 and 57, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. HEWEY.

Rules for Advertising Assessments on Saturdays.

Levy your Assessments upon any day Except Friday.

Advertise the Assessment Notice on the First Four Saturdays succeeding the day upon which the assessment is levied.

Appoint the day for advertising the Delinquent Sale on the Fifth Saturday succeeding the date of levying the assessment.

Appoint the Day of Sale on the Seventh Saturday succeeding the date of levying the assessment, or on any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Twelve thousand rebel prisoners are to be sent to Elmira, N. Y. Barracks are preparing for them.

The Liverpool *Albion* gives thirty-four forms in which the name of Shakspeare has been spelled.

Massachusetts is going to establish a military school, and has already appropriated $175,000 for that purpose.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the Inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the Mining and Scientific Press. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, though the medium of our agency there, in order to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and Inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $30 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. In this connection we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, in fact or per, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: Dewey & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 y'rs and 5 mos..	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; the West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market: Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; Mining Shareholders' Directory; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Feltsch's Ore Separator, Washing and Pressing Machine, Improved Rimpbach, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 15, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Insects; Old Without Knowing it; Eating when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

The Mining and Scientific Press is published every Saturday morning. Each number contains sixteen pages of sixty-four columns. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair

DEWEY & CO., Publishers.

Office, 57 Government House, Corner Sansome and Washington streets.

Mining Companies and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the Mining and Scientific Press, from January 1st to July 1st, can be procured on application to the office.

A GREAT INDUSTRIAL FAIR!

—TO BE—

Opened in San Francisco,

—ON THE—

30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. All parts will be united to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, n check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the interests efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE.
H. D. DUNN,	P. R. DEXTER,
E. SUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER,
E. N. TORRY,	W. H. BRYAN,
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Trading and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent*.

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "SLIGHT COLD" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. *"Brown's Bronchial Troches"* give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in pocket and taken as occasion requires.* Agents for California

1-1m REDINGTON & Co., San Francisco.

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

14t- W. A. H. TOWN, Secretary.

RICHARD WEGENER,

Accountant, Mining Secretary,

AND GENERAL AGENT.

No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-1o

RICHARD S. CLARK,

MINING SECRETARY,

Accountant and Copyist,

Office, No. 610 Merchant street.

N. B.—Mr. Clark has also a commodious room, to rent for annual and Special Meetings of Companies at any hour of the day or evening. 19-3m

POWDER!

The California Powder Works,

Office, No. 318 California street.

ARE NOW RECEIVING FROM THEIR MILLS AT SANTA CRUZ, REGULAR AND AMPLE SUPPLIES

—OF—

SUPERIOR

MINING AND BLASTING POWDER,

Which they offer to the trade and to consumers with full guarantee of its quality in all respects.

4-tf J. A. PECK, Agent.

HENRY V. POSER,

Ornamental Plasterer.

No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.

OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.

☞ Terms Moderate. ☜ 2-1m

Disney's Cylinder Amalgamator.

The Cheapest and Best.

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M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

OTIS V. SAWYER,

NOTARY PUBLIC,

And Commissioner for Nevada Territory.

Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. [23 4t] W. W. WIGGINS.

JUST PUBLISHED,

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NOTICE.

THE COPARTNERSHIP IN THE BANKING BUSINESS heretofore existing between Eugene Kelly of the city of New York, and Joseph A. Donohoe, Wm. C. Ralston, and Ralph S. Fretz, of San Francisco, under the firm name of EUGENE KELLY & CO., New York, and DONOHOE, RALSTON & CO, San Francisco, will cease on the 1st day of July 1864, Eugene Kelly and Joseph A. Donohoe withdrawing from the copartnership.

The business will be settled in New York by Eugene Kelly, and in San Francisco by Wm. C. Ralston and R. S. Fretz.

Depositors are requested to hand in their books for settlement at the banking house of Donohoe, Ralston & Co.

EUGENE KELLY,
(Per J. A. Donohoe, attorney,)
JOSEPH A. DONOHOE,
WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 13, 1864.

THE UNDERSIGNED, CALLING ATTENTION TO THE above card, give notice that on and after the first day of July next, they will continue the business of the above copartnership without interruption, at the old banking house of Donohoe, Ralston & Co., in this city, under the firm name of FRETZ & RALSTON, and in New York through the agency of Messrs. LEES & WALLER, No. 33 Pine street; and that on and after the 5th day of July next, they, together with D. O. Mills, J. B. Thomas Louis McLane, Asa T. Lawton, Wm. E. Barron, Thos. Bell, Jno. G. Earl, Wm. Norris, J. Whitney, Jr., Otis F. Giffin, A. J. Pope, Herman Michels, Frederick Billings, Geo. H. Howard, H. F. Teschemacher, A. Haywood, Moses Ellis, A. B. McCreary, R. M. Jessup, Samuel Knight, A. C. Wilmerding and Wm. Alvord of San Francisco, and Jacob Korn, of Portland, Oregon, having become for that purpose duly incorporated under the laws of this State, will carry on the business of banking in all of its various branches at the same place and through the same agency, and upon the basis of a Gold and Silver currency, under the name of

THE BANK OF CALIFORNIA.

D. O. MILLS and WM. C. RALSTON will be charged with the management of the business of the Corporation.

WM. C. RALSTON,
R. S. FRETZ.

San Francisco, June 15, 1864. 25-1m.

Caution.—Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

The following certificates were sold for delinquent assessments on Saturday, July 16, 1864, and will not be transferred on the books of the company:

Certificate	28 ..... R Bradshaw	5 shares
Do	60 ..... W Haley	5 do
Do	64 ..... Jos Stansfield	40 do
Do	101 ..... S B Clark	10 do
Do	109 ..... M Feuchtwanger	25 do
Do	132 ..... W G Moody	165 do
Do	144 ..... Thomas J Percar	5 do

By order of the Board of Trustees.

4 LAWRENCE C. OWEN, Secretary

Notice of Dividend.

At a meeting of the Trustees of Crescent Quartz Mining Company, held June 20th, 1864, a Dividend of Fifty dollars per share was duly declared, payable on July 1st, 1864, at the Office of the Company, Indian Valley, Plumas County, Cal., or in San Francisco, at the office of Isaac Glazier & Bro., 311 Clay street. [26-4t] WM. A. BOLINGER, Sec'y.

Mining Notices.

Advertised in Previous Issues.

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 3-4t

Aspinwall Gold and Silver Mining Company, Amador District, Lauder County N. T.

NOTICE.—There are delinquent, upon the following described stock on account of assessment No. 2, of fifty cents per share, levied June 10th, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
E E Elliot,	13 53 03—ca 20 shs	60	$30 00
E E Elliott,	87 94 97 98—ea 10 shs	40	20 00
E E Elliott,	99 100 101 102		
	103 104—ca 5 shs	30	15 00
E E Elliott,	55	15	7 50
G P Sparks,	not Issued	55	27 50
G P Sparks,	11 57—ca 20 shs	40	20 00
G P Sparks,	56–40 shs		
G P Sparks,	58–10 shs	50	25 00
E E Meeks,	not Issued	70	30 00
E E Meeks,	78 79—ca 10 shs	20	10 00
H A Chase	not Issued	100	50 00
B T Hunt,	80 81 82 83—ca 10 shs	40	20 00
Richard Roman,	not issued	25	12 50
W D Matheney,	71–20 shs		
W D Matheney,	77–5 shs	25	12 50
W D Matheney,	72 73 74—ca 10 shs	30	15 00
W D Matheney,	75 76—ea 6 shs	12	6 00
A C Nichols,	38–10 shs		
A C Nichols,	39–15 shs	25	12 50
A C Nichols,	06	100	50 00
Ole Torson,	18	20	10 00
Sam Moore,	22 23 24 25		
	26—ea 5 shs	25	12 50
Andrew Smith,	50–25 shs		
Andrew Smith,	86– 5 shs	30	15 00
W A White,	52	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, unless payment be made before, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Wednesday, the 3d day of August, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessments (fifty cents per share) thereon, together with costs of advertising and expenses of the sale.

A. F. EVERETT, President.

JOSEPH HEALY, Secretary. 3-2t.

Bodie Consolidation Gold and Silver Mining Company, No. 2. Location of Mine, Bodie District, Mono county, California,

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 10th day of June, 1864, payable on the 13th day of July, 1864, and assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W S Bailey,	165	15	7 50
Bailey and Greenly	167	15	7 50
Cbas C Bemis,	cert 191 192 199		
	sbs 15 10 5	30	15 00
James Bryson,	450	25	12 50
J A R Cbild,	545	20	10 00
H L Farrington,	388	13	6 50
H S Farrington,	389	12	6 00
R B Gray,	384	20	10 00
F P Howland,	246	10	5 00
H Horstermann & Co	166	10	5 00
Dan. Hardy,	cert 188 189 418 419		
	sbs 25 25 5 5	60	30 00
W L Higgins,	207	60	30 00
Robin J Jones,	cert 535 554 555		
	sbs 10 25 25		
	cert 556 557 558 559		
	sbs 25 25 20 20		
	cert 560 561 562 563		
	sbs 20 20 20 10		
	cert 564 565 566 567		
	shs 10 10 10 10		
	cert 568 569 570 571		
	shs 10 10 10 10		
	cert 572		
	shs 10	310	155 00
Cbas Knapp,	540	5	2 50
Robert McIntyre	415	5	2 50
Daniel Norcross,	414	5	2 50
L W Newell,	cert 435 436 451 452		
	sbs 25 15 15 10	65	32 50
B S Proctor,	cert 297 298		
	shs 10 10	20	10 00
Jonathan Peel,	cert 479 480 481		
	sbs 25 25 50	100	50 00
O V Sawyer,	112	5	2 50
J H Stearns,	133	20	10 00
D C Somers,	244	10	5 00
Mortimer J Smith, January and June assessments,	382	10	10 00
R W Thompson,	190	10	5 00
H Van Every,	287	20	10 00
Joseph Vangundy,	cert 500 526		
	shs 30 10	40	20 00

And in accordance with law, and an order of the Board of Trustees, made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessmeots thereon, together with costs of advertising and expenses of the sale.

A. L. CHAMBERLIN, Secretary.

Office, Southwest of corner Clay and Montgomery streets, San Francisco. 3-3t

Clinton Gold and Silver Mining Company, Reese River District, Lander County, Nevada Territory.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 2d day of July, 1864, an Assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 2d day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the company, No. 25 Montgomery Block, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 26th day of August, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. G. APPLETON, Secretary.

Office, No. 25 Montgomery Block, San Francisco. 2-4t

Copp Gold and Silver Mining Company, Sierra District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Charles Jones	22	80	$80
W A Hughes	58	10	10
G S Burrage	59	5	5
Charles F Williams	81	10	10
Simeon Rosenthrall	100	10	10
Simeon Rosenthrall	107	10	10
Ewes & Nye	115	10	10
T S Mitchell	117	15	15
G H Johnson	118	35	35
Chas. Jones	123	10	10
Joseph G Cowden	127	5	5
Dr Claybourn	132	0	6
W K Spencer	89	20	20
Chas Jones	135	10	10
Chas Jones	137	10	10

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

E. X. FIELD, Secretary.

Office, 509 Clay Street, San Francisco. 3

POSTPONEMENT.—The above sale is postponed to Tuesday, the 9th day of August, 1864, at the same hour and place. By order of the Board of Trustees.

5-2t E. X. FIELD, Secretary.

Chandler Gold and Silver Mining Company, Palmyra District, N. T.

NOTICE.—There are delinquent upon the following described Stock, on account of Assessment levied, of 25 cents per share, on the Eighth day of March, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D Frees	53	5	$1 25
D Frees	56	10	2 50
D Frees	57	10	2 50
C F Secor	74	24	6 00
C F Secor	75	5	1 25
Wm J Bailey	9	40	10 00
G Percival	19	20	5 00
G Percival	20	20	5 00
G Percival	21	10	2 50
G Percival	22	10	2 50
G Percival	23	10	2 50
G Percival	24	5	1 25
G Percival	25	5	1 25
Wm R Brown (not issued) Dec. 14, '63		40	10 00
Wm R Brown (not issued) Mar. 8, '64		40	10 00
R Kirk	2	40	10 00
J W Lyon (not issued)		40	10 00
M Ahern (not issued)		20	5 00
M Bailey	65	34	8 50

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by Jerome Rice & Co., No. 327, Montgomery street, San Francisco, on the 3d day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, N. E. Corner Pine & Montgomery. 3-3t

Dexter Tunael and Mining Company.—Location, Reese River, Nevada Territory.

NOTICE.—There is delinquent upon the following described stock, on account of an Assessment (No. 2) levied on the 1st day of April, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shs.	Amt.
Betz, H	102, 103, 104, 105, 106, 107, 108, 109, 110, 111 —10 shs ea	100	50 00
Bell, G H	185	25	12 50
Bell, G H	186, 187—20 shs ea	40	20 00
Dexter, C H	72, 73, 74, 75, 76, 77, 78, 79, 80, 81 —10 shs ea	100	50 00
Ebert, Geo.	179, 180, 181, 182, 183—10 shs ea	50	25 00
Folz, G	162, 163, 164, 165, 166—10 shs ea	50	25 00
Gruhler, J	6	50	25 00
Gruhler, J	8	10	5 00
Gruhler, J	9	5	2 50
Gerhardt, C	132, 133, 134, 135, 136, 137, 138, 140, 141 —10 shs ea	90	45 00
Gunther, J B	177	10	5 00
Henneman, A	167, 168, 169, 170, 171 —10 shs ea	50	25 00
Kapus, Otto	172, 173, 174, 175, 176 —10 shs ea	50	25 00
Kressel, J	152, 153, 154, 155, 156—10 shs ea	50	25 00
Leisse, H	127, 128, 129, 130, 131—10 shs ea	50	25 00
Lowis, Oscar	189, 190, 191, 192, 193, 194, 195, 196, 197, 198—not is'd —10 shs ea	100	50 00
Lambert, R	157, 158, 159, 160, 161 —10 shs ea	50	25 00
Morrison, J C Jr	27...not issued	65	32 50
McNulty, C A	28, 29, 30, 32, 33—10 shs ea	50	25 00
McNulty, C A	59	5	2 50
Marshall, H	34	5	2 50
Maguire, Thomas	60	100	50 00
Master, P A	148, 149, 150, 151—10 shs ea	50	25 00
Needen, Wm	178	10	5 00
Orcar, D	62, 63, 64, 65, 66, 67, 68, 69, 70, 71 —10 shs ea	100	50 00
Ohmert, F W	112, 113, 114, 115, 116, 117, 118, 119, 120 —10 shs ea	90	45 00
Ploschke, Wm	92, 93, 94, 95, 96, 97, 98, 99, 100, 101 —10 shs ea	100	50 00
Stevens, W H	53	10	5 00
Stevens, W H	54	13	6 50
Shmidt, H	58	5	2 50
Schmidt, H G C	82, 83, 84, 85, 86, 87, 88, 89, 90, 91 —10 shs ea	90	45 00
Schmittburg, H	142, 143, 144, 145, 146 —10 shs ea	50	25 00
Shafer, L	184	10	5 00
Uhrig, C A	16	25	12 50
Uhrig, C A	17	35	17 50
Uhrig, C A	18	5	2 50
Wolleb, E	41	5	2 50
Wolleb, E	42, 43, 44, 45, 46, 47—10 shs ea	60	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of April, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 11th day of July, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

C. H. HORTON, Secretary.

Office, No. 543 Clay street, Golden Era Building, San Francisco. 24-4t

POSTPONEMENT.—The above Sale is posponed to Monday August 1st, 1864. By order of the Board of Trustees.

C. H. HORTON, Secretary.

San Francisco, July 9th, 1864. 3-3t

Dane Gold and Silver Mining Company, Esmeralda.

Notice is hereby given, that at a meetiag of the Board of Trustees of the Dane Gold and Silver Mining Company, held on the 5th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 8th day of August next, will be advertised on that day as delinquent, and unless payment be made before, will be sold on Saturday, August 20th, 1864, at 12 M., at the office of the company, to pay assessment, advertising, and expense of sale. By order of the Trustees.

EDWARD CONNER, Secretary.

Office, 607 Washington Street, July 9. 2-4t

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of July, 1864 an assessment of twenty cent per share was levied upon the capital stock of said company, payable on the 6th day of July, 1864, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on the 13th as delinquent, and unless payment shall be made before, will be sold on the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

JOHN J. SCOTCHLER, Secretary

Office, 204 Front Street, San Francisco, Cal.

July 5, 1864. 2-4t

Enterprise Copper Mining Company, Empire Ledge, Garden Bar District, Placer County.

Notice is hereby given, that the office or principal place of business of the above Company will be removed on the 15th day of August next, to Lincoln, Placer County.

M. O. ELMORE, Secretary.

San Francisco, July 9th 1864. Office 621 Clay street. 2-4t

Eureka Mill and Mining Company, Big Creek District, Lander County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of July, 1864, an Assessment of Three Dollars and Fifteen Cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Monday, the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees. N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco.

The advertisement of stock delinquent, on the above assessment, is postponed until August 13th, 1864, and the sale thereof is postponed until August 27th, 1864. By order of the Board of Trustees. (2-5t) N. DUPERU, Secretary.

Enterprise Copper Mining Company, Empire Ledge, Garden Bar District, Placer County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessments levied on the 20th day of September, 1863, and the 12th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

ASSESSMENT LEVIED SEPTEMBER 20TH, 1863.

Names.	No. Certificate.	No. Shares.	Amt.
Thomas Donahue	66	15	$1 50
John M. Cannon	53	25	2 50
John Cochran	52	25	2 50

ASSESSMENT LEVIED MARCH 12TH 1864.

Thomas Donahue	66	15	7 50
John M. Cannon	53	25	12 50
John Cochran	52	25	12 50
Alfred Bateman	5	100	bal 30 00
	75	25	12 50
Wm Harris	6	200	100 00
	56, 57, 58, 59, 60, 61, 62, 63, each 25 shares.	200	100 00
James P. Dameron	46	100	50 00
J Daly	65	10	bal 4 00
O W Meloney	67, 69 ea 10 shs	20	bal 80
Bechler & Schwartz	90	34	bal 10 20
Abell & Evans	6, 9, ea 100 shs	200	bal 45 50
D Elsner	10	133	bal 26 60
J Krone	13	133	bal 39 90
V C Putnam	15	200	bal 40 00
E F White	32	100	
	33, 34, 35, 36 ea 25 shs	100	bal 60 00
P Robinson	37	100	
	39, 40, 41, 42 43, ea 10 shs	50	bal 60 00
Wm Davis	51	25	bal 10 00
J E Kincaid	55	25	bal 10 00
E Livermore	67, 88 ea 50 shs	100	bal 4 00
M Berkowitz	89	50	bal 2 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 9th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. M. O. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 2-4t

Good Hope Gold and Silver Mining Company, Alpine District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of July, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of August, 1864, in United States Gold Coin, to the Secretary, or to H. Morris, at Markleeville.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. PRESTON MORRIS, Secretary.

Office, No. 626 Montgomery street, San Francisco, 4-4t

Great Western Tunnel and Mining Company, Aurora, N. T.

Notice is hereby given that a Stockholders' Meeting of the above company will be held in this city, in the office of the Company, No. 20 Exchange building, corner Washington and Montgomery streets, on Saturday, August 6th, 1864, at 2 o'clock P. M. By order of the Board of Trustees.

JOSEPH C. FORD, Secretary.

San Francisco, July 1st, 1864. 1

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

Grosh Consolidated Gold and Silver Min. ing Company, Storey county. N. T.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Ray,	11	8	$1 60
J H Ray,	159	8	1 00
J H Ray,	211	6	1 20
J H Ray,	228	20	4 00
J H Ray,	229	16	3 20
G W Ryckman Jr	12	10	2 00
G W Ryckman Jr	13	10	2 00
G W Ryckman Jr	14	10	2 00
G W Ryckman Jr	15	10	2 00
G W Ryckman Jr	16	10	2 00
G W Ryckman Jr	17	10	2 00
G W Ryckman Jr	18	10	2 00
G W Ryckman Jr	19	10	2 00
G W Ryckman Jr	20	10	2 00
C W Ryckmaa Jr	21	10	2 00
G W Ryckmaa Jr	203	10	2 00
G W Ryckmaa Jr	204	10	2 00
G W Ryckmaa Jr	205	10	2 00
G W Ryckmaa Jr	206	10	2 00
G W Ryckmaa Jr	207	10	2 00
G W Ryckmaa Jr	206	10	2 00
C W Ryckmaa Jr	200	10	2 00
G W Ryckman Jr	211	5	1 00
C W Ryckman Jr	212	5	1 00
G W Ryckman Jr	213	5	1 00
G W Ryckman Jr	214	5	1 00
G W Ryckmaa Jr	215	5	1 00
G W Ryckman Jr	216	5	1 00
G W Ryckmaa Jr	217	5	1 00
G W Ryckmaa Jr	218	5	1 00
A H Gorley	105	3	60
J A Folger	240	10	2 00
Thos O Shaw	107	10	2 00
Thos O Shaw	108	10	2 00
Thos O Shaw	109	30	6 00
Thos O Shaw	110	7	1 40
John Johnson	111	6	1 60
John Johnson	112	6	1 60
John Johnson	113	6	1 60
J J Newsom	230	16	3 20
C Pierson	202	2	40
A Ryckman	23	10	2 00
A Ryckman	24	10	2 00
A Ryckman	25	10	2 00
A Ryckman	26	10	2 00
A Ryckman	27	10	2 00
A Ryckman	22	10	2 00
D M Hosmer	235	25	5 00
D M Hosmer	236	25	5 00
D M Hosmer	237	25	5 00
D M Hosmer	238	10	2 00
E W Willett	239	5	1 00
Wm Jackson	233	5	1 00
James Morgan	234	5	1 00

The following stock is held by certificates under the 5rst issue, previous to the increase of capital stock, with the number of shares to which the respective holders are entitled, under the new issue, with the amounts due thereon.

John L Samuel	40, 41, 42, 46, 47 46, 49, 51, 53, 55 51, 62, 92, 93, 94 95, 96, 97, 98, 99 100, 101, 103.	351	158	47 55
Horace Cole	182, 183, 184, 185 186		8	2 40
J L Reed		400	40	12 00
E W Willett	358, 359, 360,	361	6	1 80
John Gorman		362	1	30
E F Northam		377	10	4 80
J H Ray	380, 384, 385,	386	20	9 00
Mrs A M Ransom		363	14	4 20
G W Ryckman Jr	367, 364, 337	335	112	33 60
John Bigler	330, 329, 328,	327	8	2 40
John McHenry	no number		480	144 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864. so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company on the 3d day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHAS. H. RYDER, Secretary.

Office, No. 4, Court Block, Clay street, San Francisco. 3

Gobernadora Silver Mining Company, San Antonio District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N A Abbott,	63 64—ea 55 shs	110	$77 00
J C Bedeman,	100	30	21 00
Peter Brown,	309	17	11 90
T H Downing,	119	30	21 00
C W Hayden,	318	41	28 70
E R Hawley,	269 270—ea 25 shs	50	35 00
Hopps & McAhee	284	40	28 00
A P Hodgden,	322	15	10 50
A P Hodgden,	323 324—ea 5 shs	10	7 00
T & J Iuderstroth	233-10 shs 234-15 shs	25	17 50
A H Jordan,	286 287—ea 25 shs	50	35 00
W H Knapp,	70 71 98—ea 10 shs	30	21 00
W H Knapp,	73 76—ea 15 shs	30	21 00
W H Knapp,	74-20 shs 77-25 shs	45	31 50
H Kilham,	235 236—ea 10 shs 237 238 239 240 241 242—ea 5 shs	50	35 00
C H Mathews,	113	10	7 00
H McCorrister,	152	5	3 50
C F Nolte,	245	20	14 00
J W Sprague,	78 79—ea 60 shs	120	64 00
D W Smith,	325	50	35 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on the 1st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay Street, San Francisco. 3-2t

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pais District, Marin County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of July, 1864, an assessment, No. 7, of ten cents per share was levied upon the capital stock of said Company, payable immediately, in U. S. Gold Coin, to the Secretary at his office, or to the Superintendent, Mr. H. N. KEAP.

Any stock upon which said assessment shall remain unpaid on Saturday, the 20th day of August, 1864, will be advertised on that day as delinquent and unless payment shall be made before, will be sold on Monday the 6th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

B. ROTHSCHILD, Secretary.

4-4t Office, 522 Montgomery street, San Francisco.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of ten (10) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.

Office, 302 Montgomery street, third floor, room 5, San Francisco. 4

Illinois Gold and Silver Mining Company, Smoky Valley District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to Ralph Brown, Superintendent, Carson City, Lander County, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 2d day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. A. WHEELER, Secretary.

Office, No. 1 and 2, Government House, corner Sansome and Washington streets. 3-4t

Imperial Gold and Silver Mining Company, Location, San Francisco District, A. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the above named company, there will be sold at public auction, at the office of the company, No. 410, Montgomery street, San Francisco, on Tuesday, the 2d day of August, 1864, at 2 o'clock P. M., to the highest bidder for Cash, in United States Gold Coin, so many shares of the Capital stock of said Company, standing in the names of the following persons, as will be necessary to pay the assessment now due and delinquent thereon, together with all costs accruing for advertising sale, etc.

Assessment No. 1 of 50 cents per share, Levied March 17, 1864.

Names.	No. Certificate.	No. Shares.	Amount.
John Chapman	6	15	$7 50
John Chapman	10	10	5 00
John Chapman	11	10	5 00
John Chapman	12	25	12 50
John Chapman	13	25	12 50
John Chapman	14	25	12 50
John Chapman	33	25	12 50
John Chapman	34	5	2 60
John Chapman	35	5	2 50
John Chapman	47	50	25 00
John Chapman	46	50	25 00
John Chapman	65	5	2 50
John Chapman	66	5	2 50
John Chapman	67	5	2 50
John Chapman	68	5	2 50
John Chapman	70	5	2 50
John Chapman	71	5	2 50
John Chapman	72	50	25 00
John Chapman	73	50	25 00
John Chapman	74	50	25 00
John Chapman	75	50	25 00
John Chapman	76	25	12 50
John Chapman	77	25	12 50
John Chapman	78	25	12 50
John Chapman	79	25	12 50
John Chapman	60	10	5 00
John Chapman	61	10	5 00
John Chapman	62	10	5 00
John Chapman	63	10	5 00
John Chapman	84	50	25 00
John Chapman	66	20	10 00
John Chapman	67	20	10 00
John Chapman	66	20	10 00
John Chapman	89	20	10 00
John Chapman	90	20	10 00
John Chapman	95	50	25 00
John Chapman	96	50	25 00
Rodney Clark	107	500	250 00
Rodney Clark	108	340	170 00
Charles A Hertel	17	50	25 00
Charles A Hertel	18	50	25 00
Charles A Hertel	19	50	25 00
Charles A Hertel	20	50	25 00
Charles A Hertel	21	50	25 00
Charles A Hertel	22	50	25 00
Horace Little	52	50	25 00
Horace Little	53	50	25 00
Horace Little	54	50	25 00
Horace Little	55	50	25 00
Horace Little	56	50	25 00
Horace Little	57	50	25 00
James Rea	63	50	25 00
M M Johnson	26	10	5 00
P Ford	30	25	12 0
M Parker	32	25	12 50
L Teese Jr	106	5	2 50
J F Godfrey	123	5	2 50
A E Tiffany, stock not issued		300	150 00

L. B. WOOSTER, Secretary.

Office, No. 419 Montgomery street, Room No. 6. 2-4t

John J. Crittenden Gold and Silver Mining Company, Reese River District, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment (No. 2) levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Frank Snow,	4, 5, 63, 54, 55	135	$33 75
Geo W Leet,	23, 24	20	5 00
John Ridgeway,	11, 25, 20, 27 28, 29, 31	120	30 00
E A Isaacs,	54	10	2 50
Samuel Mc Brown,	42	20	5 00
W W Hartman,	40. 43, 44 45 46, 47, 46	120	30 00
Mrs E Hartman,	41	10	2 50
C Nixon,	62	25	6 25
R Hackins,	not issued	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 509 Clay street, San Francisco, on Wednesday, the 3d day of August, 1864, at 10 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. D. B. FRANCIS, Secretary.

Office, 509 Clay street, San Francisco. 3-2t

American and Foreign Patents.—Letters Patent for Inventors can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

A Good Canvassing Agent Wanted at this Office, immediately, for the interior. None but an active business man with good references, need apply.

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander Co. N. T.

There are delinquent upon the following described stock, on account of assessment number one, levied November 17, 1863, and assessment number two, levied March 21st, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
John Ridgeway.	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 13, 14,	111¼	$74 00
William Terry,	15, 16, 9, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,	108⅛	54 35
Geo. L. Hendricks,	56	6¾	4 38
C S Johnson,	61	10	5 00
A Hartman, Sr.	93	10	5 00
Elizabeth Hartman.	78	5	2 50
Michael Widrow, 79, 80, 61.	82	87½	43 75
Robert Hutchinson,	not issued	10	10 00
W W Hartman,	not issued	40¾	40 63
John McBrown,	not issued	43¾	43 76
H H Pearson.	not issued	21⅞	21 88

And in accordance with law and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the the company, No. 26, Montgomery Block, in the city of San Francisco, on the 6th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessments thereon, together with the costs of advertising and expenses of sale.

F. G. APPLETON, Secretary.

Office, No. 26 Montgomery Block. 1-4t

Leland Gold and Silver Mining Company, San Francisco District, Arizona.

NOTICE.—There are delinquent upon the following described stock on account of Assessment No. 1 of 50 cents per share levied January 5th 1864, upon each and every share of the capital stock of the above named company, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Samuel L Theller,	23 45-50 ea	100	$50 00
Samuel L Theller,	67 68-20 ea	40	20 00
C E Levan,	56	20	10 00
E M Hall,	55	130	65 00
P B Fagaa,	38	50	25 00
P B Fagan,	40 41 42 43 44-10 ea	50	25 00
W M Allen,	not issued	190	95 00
L P Ward,	74	40	20 00
C W C Rowell,	4	100	50 00
C W C Rowell,	12 15 16 17-10 ea	40	20 00
C W C Rowell,	18	15	7 50

And in accordance with the laws of the State of California, and the order of the Board of Trustees of said company made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 529 Clay street, San Francisco, on Friday, August 26th, 1864, at the hour of 12 o'clock M. of said day, payable in United States gold coin, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. By order.

(4-5t) THEO. A. MUDGE, Secretary.

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There is delinquent, upon the following described Stock, on account of Assessment levied on the 13th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C. Brown,	12	25	$125
J G Beideman,	64	25	125
O W Childs,	49	25	125
H Hubbard,	46	25	125
T R Hayes,	15	50	250
C Hayward,	51	10	60
P L Kraner,	10	25	125
J McMechan	4	50	250
C J Mosely,	16	25	125
W C Root,	48	25	125
L A Sanderson,	11	25	125
J Tirrell, Jr.,	69	50	250
Francis & Whitney,	71	25	125
Francis & Whitney,	72	25	125

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of June, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the office of the Company, No. 623 Montgomery st., San Francisco, California, on Friday, the 5th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 3-3t

La Traviata Gold and Silver Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of, July, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 3-4t

Lancaster Gold and Silver Mining Company, Palmyra District, N. T.

NOTICE.—There are delinquent upon the following described stock on account of assessments levied on the above company, of 25 cents per share, on the 8th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
G Percival	19	20	$5 00
G Percival	20	20	5 00
G Percival	21	10	2 50
C Percival	22	10	2 50
C Percival	23	10	2 50
G Percival	24	5	1 25
G Percival	25	5	1 25
R Kirk	104	30	9 00
M Bailey	65	25	6 50
C F Secor	73	5	1 25
C F Secor	74	28	7 00
Wm R Brown, Dec 14, '63 not issued		40	10 00
Wm R Brown, Mar 3, '64 not Issued		40	10 00
J W Lyon (not issued)		40	10 00
M Anorn (not issued		20	5 00

And in accordance with law, and an order of the Board of Trustees made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by Jerome Rice & Co., No. 327 Montgomery street, San Francisco, Cal., on the 3d day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. J. S. MEYER, Secretary.

Office, N. E. Corner Montgomery & Pine, 3-3t.

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It lt a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

Libertad Gold and Silver Mining Company,
District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an Assessment of five dollars per share was levied upon the Capital Stock of said Company, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, August 20th, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

4-4t LAWRENCE C. OWEN, Secretary.

Lady of the Lake Gold and Silver Mining Company, San Francisco District, Arizona Territory.

Notice is hereby given, that in accordance with law and an order of the Board or Trustees, there will be sold at public auction, at the office of the company, No. 304 Montgomery street, San Francisco, on Thursday, August 25th, 1864, at 10 o'clock A. M., to the highest bidder for cash, so many shares of the capital stock of the Lady of the Lake Gold and Silver Mining Company, standing in the names of the following persons, as may be necessary, to pay the assessment due thereon, together with expenses of advertising and sale, unless the said assessment and charges are previously paid, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
P B Fagan,	35 36 37 38 39 40 41 42 44	90	$45 00
F M Hall,	2 59	130	65 00
W M Allen,	not issued	190	95 00
H M Cox,	47	20	10 00
G G Webster,	55	100	50 00
*C W E Rowell,	7 8 9 15 10 21	bal 115	67 50
*William Packard,	45	50	25 00

—*Assigned to other parties but not transferred.

4-4t WM. HOLLIS, Secretary.

Moscow Gold and Silver Mining Company, Esmeralda.

Notice is hereby given that a meeting of the Stockholders of the Moscow Gold and Silver Mining Company will take place on Monday, August first, 1864, at 4 o'clock P M. All shareholders are requested to be present as business of importance will be brought before the Company. By order of Trustees. CEO. STURTEVANT, Secretary.

1-5t Office, 608 Montgomery street.

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an Assessment of five dollars per share was levied, payable in United States gold coin, and that at a meeting of the Board of Trustees of said company, held on the 11th day of July, 1864, it was ordered that said assessment should be payable on the 13 day of August, 1864, to the Secretary, at the office of the Company, No. 433 Montgomery street, city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 29th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, 433 Montgomery street, in the city and county of San Francisco. 3 4t

McElroy Gold and Silver Mining Company, Pamlyra District, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied of 25 cents per sharo, on the 8th day of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
G Percival,	20	20	$5 00
G Percival,	21	20	5 00
G Percival,	22	10	2 50
G Percival,	23	10	2 50
G Perelval,	24	10	2 50
G Percival,	25	5	1 25
G Percival,	26	5	1 25
D Frees,	55	5	1 25
D Frees,	58	10	2 50
D Frees,	59	10	2 50
C F Secor,	69	24	6 00
C F Secor,	70	5	1 25
M Bailey,	63	34	8 50
Wm J Bailey,	10	40	10 00
R Kirk,	01	36	9 00
Wm R Brown, not issued, Dec. 14, 1863		46	10 00
Wm R Brown, not issued, March 8, 1864		40	10 00
J W Lyon, not issued, March 8, 1864		40	10 00
M Ahern, not issued, March 8, 1864		20	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, by Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of August, 1864, at 11 o,clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, N. E. Corner Pine & Monigomery streets. 3-3t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 9th day of July, 1864, an Assessment (No. 13) of $1 per share was levied upon the capital stock of said Company, payable immediately, in United States currency, to the Secretary, at his office in San Francisco.

Any stock upon which said assessment shall remain unpaid on the 11th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. A. G. WOOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 3-4t

Oxford Beta Tunnel and Mining Company, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an Assessment of fifty (50) cents per share was levied upon the capital stock of said Company, payable on the 12th day of July, 1864, in United States gold coin, to the Secretary, at his office, or to Thomas Lytle, Superintendent, at Aurora, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 3-4t

Point Arena Petroleum Mining Company.

The Stockholders of the Point Arena Petroleum Mining Company are hereby notified that, by order of the Board of Trustees, there will be a meeting of the Company held at the Secretary's office, Room 28 Government House, corner Sansome and Washington streets, San Francisco, on the fifth day of August, 1864, at 7½ o'clock, P. M. A full representation of stock is requested, as important business is to be transacted. Attest, D. S. CUTTER, Secretary.

San Francisco, Cal. July 7th, 1864. 2-5t

Pena Silver Mining Company, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of three dollars per share was levied upon the assessable stock of said Company, payable on the 22d day of July, 1864, in United States Coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday the 20th day of August, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday, the 3d day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, 411 Clay Street. 4

Quartz Hill Gold Mining Company, Placerville, El Dorado County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 23d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
G Hayward,	not issued	100	$40 00
W A Quarles,	13 14—ea 50	110	40 00
J P Davis,	not issued	40	hal 16 00
R A Davis,	not issued	116	44 00
Morrit Wilton,	not issued	200	80 00

And in accordance with law, and an order of the Board of Trustees, made on the twenty-third day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the company, No. 623 Montgomery street, San Francisco, California, on Wednesday, the 10th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623, Montgomery Street, San Francisco, California. 4

Rose Matilda Mining Company,
Charter Oak Mining Company,
North Star Mining Company,
Diamond Mining Company, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Companies, held on the 9th day of July, A. D. 1864, an Assessment (No. 3) of ten cents was levied upon each and every assessable share of the capital Stock of each of said Companies, payable immediately in United States gold or silver coin, to the Secretary, at his office in San Francisco.

Any stock upon which said Assessments shall remain unpaid on the Eleventh day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 27th day of August, 1864 to pay said delinquent Assessments, together with costs of advertising and expenses of the sale.

A. O. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner Pine. 3-4t

Rhode Island Gold and Silver Mining Company, Keys Mining District, Mono county, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on Saturday, the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Adams S K	32	10	$1 50
Adams J S		575	118 75
Blinn S P		675	168 75
Butler Margaret	52	50	12 50
Butler Warren O	50	50	12 50
Bankot E H	82	30	4 50
Bateman W A	119	5	1 25
Bush Alonzo	151	10	2 50
Carmarilch Geo	73	5	1 25
Carmarlich Geo	74	5	75
Carmarlich Geo	78	5	1 25
Carter W P	63	25	6 25
Chase H A	62	10	2 50
Chadwick W F	35	10	1 50
Colby Alonzo	71	10	1 5
Collins J W	00	5	1 25
Collins J W	7	5	1 25
Collins J W	8	10	2 50
Collins J W	46	25	6 25
Collins J W	87	10	2 50
Dent L M	29	25	6 25
Dunn R D	57	25	6 25
Delatich M	79	15	2 25
Doudy John	102	25	6 25
Doudy John	103	25	6 25
Dieterle H	124	10	1 50
Dieterle H	142	5	1 25
Dieterle H	143	5	1 25
Dieterle H	144	5	1 25
David Eleanor	145	5	1 25
Evans P J	148	10	1 50
Flinn William	36	100	25 00
Flinn William	43	100	25 05
Fennell M	53	75	18 70
Goodwin H E	140	200	50 00
Goodwin H E	141	20	5 05
Gutcher William	115	5	1 20
Gaylord William H	72	10	1 50
Horn Andrew	101	12	3 00
Johnson Geo H	33	25	3 75
Kinsman F	134	100	25 00
Kinsman F	135	100	25 00
Kinsman F	136	100	25 00
Kinsman F	137	20	5 00
Kinsman F	138	10	2 50
Kinsman F	139	10	2 50
Kinsman F	154	335	83 75
Kinney James	100	12	3 00
Loosor J C	06	5	75
Looser J C	97	5	75
Looser J C	98	5	75
Looser J C	00	5	75
Littleton J	56	25	6 25
Laske S	125	10	2 50
Myrick J W	19	10	2 50
Myrick J W	20	10	2 50
Myrick J W	38	10	1 50
Myrick J W	39	10	2 50
Myrick J W	40	10	2 50
Myrick J W	56	25	6 25
Myrick J W	66	5	1 25
Myrick J W	68	5	1 25
Myrick J W	83	5	1 25
Myrick J W	84	5	1 25
Muhn Anna	48	25	3 25
Muhn Anna	49	25	3 75
Miles M	54	25	6 25
Myrick A G	121	5	1 25
Oldham Frank	17	100	25 00
Oldham Frank	05	15	3 75
Oldham Frank	107	10	2 50
Oldham Frank	108	20	5 00
Oldham Frank	109	10	2 50
Oldham Frank	110	10	2 50
Oldham Frank	111	10	2 50
Oldham Frank	112	10	2 50
Oldham Frank	113	10	2 50
Oldham Frank	114	10	2 59
O'Byrne Felix	24	25	6 25
Pollard J	95	10	2 50
Quirk Pierce	150	10	2 5
Ryan Thos	123	10	2 50
Rice A W	122	5	1 25
Ransom Leander	58	25	0 25
Reed John	37	50	12 50
Roop George	104	20	5 00
Roop George	105	5	1 25
Roop George	106	10	2 50
Roop George	10	100	25 00
Shirley F P	10	5	1 25
Shirley F P	11	10	2 50
Shirley F P	12	25	6 25
Spencer L B	110	10	2 50
Spencer J W	21	25	0 25
Spencer J W	22	15	3 75
Spencer J W	23	25	6 25
Spencer J W	24	25	0 25
Spencer J W	25	10	2 50
Smith J C	132	10	2 50
Shaw F F	133	6	90
Schumaker F	118	10	1 50
Spencer R D	1	5	1 25
Spencer E D	4	20	5 00
Spencer E D	153	375	03 75
Spencer O W	5	10	2 50
Spencer O W	6	20	5 00
Spencer O W	155	445	111 25
Tromley C H	42	25	6 25
Whitlock M Wills	117	11	1 65
Welsh Thomas	51	50	12 50

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many share of each parcel of said stock as may be necessary, will be sold at the office of Daniel Sweeny, 423 Pacific street, on the 30th day of July, 1864, at the hour of 3 o'clock, P. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. W. MYRICK, Secretary.

3-2t Office, No. 526 Montgomery street, San Francisco.

Schmeltzer Mining Company, American District, Humboldt County, Nevada Territory.

Notice.—There is delinquent upon the following described stock, on account of assessment levied on the 11th day of April, and 25th day of August, 1863, the several amounts set opposite the names of the respective shareholders, as follows:

ASSESSMENT NO 1, LEVIED APRIL 11, 1863.

Names.	No. Certificate.	No. Shares.	Amount.
Holt Warren, 15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea		40	$10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B 189 & 189½ 100 sh's ea		200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 196 297, 25 sh's ea	100	25 00
do do	194 & 195, 10 sh's ea	20	5 00
do do	199	13	3 25
Brown, John	206	20	5 00
Dikman, J		186	46 50
Callin, E	202	40	10 00
Dryden, W R	205	55	13 75

ASSESSMENT NO. 2, LEVIED AUGUST 25, 1863.

Neal, T H	42	1	25
Holt Warren 15, 16, 17, 18, 20, 21, 23, 24, 5 sh's ea		40	10 00
do do	25	6	1 50
do do	155	35	8 75
Lathrop, A B 189 & 189½ 100 sh's ea		200	50 00
do do	190 & 191 50 sh's ea	100	25 00
do do	192 193 196, 197, 25 sh's ea	100	25 00
do do	194 & 195 10 sh's ea	20	5 00
do do	199	13	3 25
do do	198	20	5 00
Barker, B M	157	1	25
do do	10	10	2 50
do do	164	25	6 25
Brown, John	163	70	17 50
do do	205	20	5 00
Schmeltzer, Geo	59	3	75
do do	26 and 28 5 sh's ea	10	2 50
do do	70	2	50
do do	108	15	3 75
Neal, Z H	136	23	5 75
do do	44 142 143 50 shs' ea	150	37 50
do do	144	25	6 25
do do	154	14	3 50
Schmeltzer, John	109 110 111 112 6 sh's ea	20	5 00
do do	113 114 115 117 10 sh's ea	40	10 00
do do	118 119 120 121 122 123 15 sh's ea	90	22 50
do do	123 124 125 20 sh's ea	60	15 00
do do	5 125 127 25 sh's ea	75	18 75
do do	131 132 133 100 sh's ea	300	75 00
do do	129	50	12 50
Bryan, Henry,	32	50	12 50
do do	33	25	6 25
do do	36	8	2 00
Davis, W H	9	5	1 25
Ransom L	41	25	5 25
Knapp W H	48	20	5 00
do do	71 and 72 10 sh's ea	20	5 00
Wolf, J M	69	5	1 25
Pray, I C	92	118	29 50
Douglas J M	76	5	1 25
do do	63	1	25
do do	122	10	2 50
Haine Joseph	66	20	5 00
Woodward Wm	79	100	25 00
do do	74	10	2 50
Christian E J	73	5	1 25
Hayward B	178	90	22 50
McDonald D A	82	10	2 50
Parks W A	83	5	1 25
Bucklin E P	91	7	1 75
Whiting W J	95	5	1 25
Hill M M	96	10	2 50
do do	197	5	1 25
Conolly W J	99	10	2 20
do do	100	14	3 50
Treadwell J J	101	5	1 25
do do	180	5	1 25
McDonald Maria B	104	5	1 25
Mayer Robert	107	5	1 25
Hadley D L	139	10	2 50
Hanson L B	153	10	2 50
Brerelon J	166	8	2 00
Darnell H Y	167 and 169 10 sh's ea	20	5 00
do do	159 160 161 162 20 sh's ea	80	20 00
Burdick E B	175	5	1 25
Brown R W	172	5	1 25
Webb F A	177	10	2 50
Bewley A H	179	5	1 25
Trakey E D	181	25	6 25
Robertson W E	184	10	2 50
do do	182 and 183 25 sh's ea	50	12 50
Welton M	188	5	1 25
Catlin E	202	40	10 00
Dryden W R	205	55	13 75
McLane J	151	20	5 00
Dikeman Joseph	not issued	186	46 50

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, 621 Clay street, on the 3d day of August, 1864, at the hour of 10, o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary.

Office, 621 Clay street, San Francisco, July 2, 1864. 1-4t

Schmeltzer Mining Company, American District, Humboldt County, Nevada Territory.

A Stockholders' meeting of the Schmeltzer Mining Company will be held at the office of the company, 621 Clay st., on Wednesday, the 3d of August, 1864, at 7½ P. M., for the election of officers, and such other business as may be presented. M. G. ELMORE, Secretary.

San Francisco, July 2, 1864. 1-4t

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 13th day of July, 1864, an assessment (No. 7) of $1 per share was levied upon the Capital Stock of said company, payable immediately, in gold coin of the United States of America, to the Secretary, at the office of the company, 627 Clay street, in the city of San Francisco, California, or to J. H. Bradley, Esq., at Pine Grove, Amador county, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 3-4t

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of July, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable on the 16th day of July, 1864, in United States gold coin, to the Secretary, at his office, No. 605 Sacramento street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Wednesday, the 17th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. C. GARDNER, Secretary,

Office, 605, Sacramento Street, San Francisco.

Postponement.—The advertisement of delinquent stock on the above assessment, is postponed until August 20th, 1864, and the sale thereof is postponed until September 3d, 1864. By order of the Board of Trustees.

3-5t S. C. GARDNER, Secretary.

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an Assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in U. S. gold coin, to the Secretary, or to J. M. Pike, Superintendent, at Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

M. O. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 3-4t

Warfield Mining Company, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately to Thatcher Ross, Gold Hill, Placer County, or to the Secretary at the office of the Company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 22d day of August, 1864, to pay the delinquent Assessment, together with costs of Adverlising and expenses of the Sale. R. K. ALLEN, Secretary

Office, No. 16 Metropolitan Block. 1-5t

Standard Gold and Silver Mining Company, Amador Mining District, Lander County, Nevada Territory.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees, there will be sold at public auction, by Cobb & Sinton, No. 405 Montgomery street, San Francisco, on Monday, August 22d, 1864, at 12 o'clock M. of that day, to the highest bidder for cash, in United States gold coin, so many shares of the capital stock of the above named company, standing in the names of the following shareholders, as will be necessary for the payment in full of assessment No. 1, duly levied February 24th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
W J Paugh,	not issued	100	hal due $120 00
C M Bennet,	not issued	80	
	32	10	hal due 176 13

By order of the Board of Trustees.

F. S. CARTER, Secretary.

Office, 623 Washington street, San Francisco. 4-4t

Steamboat Silver Mining Company, Star District, Humboldt Co., Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 28th day of May, 1864, the amount set opposite the name of the following shareholder:

Name.	No. Certificate.	No. Shares.	Amount.
E D Blair	22	20	$10 00

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of May, 1864, so many Shares of said stock as may be necessary, will be sold at the sales-room of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 2d day of August, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent Assessment thereon, together with costs of Advertising and expenses of Sale. S. O. PUTMAN, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 3-3t

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the Mining and Scientific Press on application at the office.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

CHANGED THEIR BASE.—The Diamond Copper Mining Company have recorded in the office of the Clerk of the County Conrt a notice of their intention to change their place of business from Del Norte county to San Francisco.

LOW WATER.—The water in the Sacramento river is exceedingly low this season, so low that at Sacramento the tides of the Bay have a great effect—making a fluctuation at from one to two feet.

DURING the last six months the stock sales in San Francisco amonnted to $18,000,000.

BONNETS are now being made in France of Iudia Rubber, colored to resemble leghorn.

THE Sydney papers are filled with accounts of destructive floods in various quarters.

GREENBACKS COMING.—The Esmeralda *Union* of the 19th inst. is credibly informed that over half a million of dollars in greenbacks are now on their way from the East to this place. Some of the best mines iu Bodie are said to have been purchased by New York capitalists. who are coming out with greenbacks to work them on a large scale.

LUCKY AT LAST.—Our Fairplay correspondent, under date of July 18th. sends us the following: "The Buchanan Tunnel Company, near this place, has, for nearly nine years, been running a tunnel through the hardest kind of rock; and, on Saturday last, the boys struck a bed of beautiful gravel, which prospects from seventy five cents to one dollar to the pan. There is an abundance of it. We are glad that the persevering fellows have struck it at last and that it pays so well. The tunnel is about nine hundred feet in length."—*Placerville Democrat, July 23d.*

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

"MINING AND SCIENTIFIC PAPER."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

The Pavilion Illustrated.

Our Artist is now engaged upon a splendid lithograph engraving of the New Pavilion of the Mechanics' Institute, which will appear shortly. **DEWEY & CO.,**
Publishers Mining and Scientific Press.

A Daily Reporter of the Fair.

We shall publish a daily issue in the approaching Mechanics' Institute Industrial Exhibition, illustrating the progress nf the Fair by cuts and drawings and carefully written descriptions of the various inventions and articles displayed. An opportunity will thereby be offered to advertisers for bringing their inventions and business notices prominently before the visitors of the fair. **DEWEY & CO.,**
Publishers Mining and Scientific Press.

New This Week.

Eagle Quartz Mining Company. Locution, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of June, 1864, an Assessment of Two Dollars per share was levied upon the Capital Stock of said Company, payable on the 28th day of July, 1864, in United States gold coin, to the Secretary, at the office of the Company, 708 Montgomery street, city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Thursday, the 1st day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 17th day nf September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.
Office, 708 Montgomery Street, San Francisco.
San Francisco, July 28, 1864. 6-5t

Great Western Gold and Silver Mining Company. Location, Keyes District, Mono Co., California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 25th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 20th day of August, 1864, in United States gold coin to the Secretary,

Any stock upon which said Assessment shall remain unpaid an Saturday, the 27th day of August, 1864, will be advertised nn that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 14th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. BROCK JOHNSON, Secretary.

Office, No. 28 Government House, San Francisco. 5-4t

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice is hereby given that at a Meeting of the Board nf Trustees of said Company, held on the 14th day of June, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the company, No. 728 Montgomery Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Saturday the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. G. FRENCH, Secretary.
Office, 728 Montgomery street, San Francisco, Cal.

N. B.—The above notice is hereby given in consequence nf an error in former advertisement for the collection of the above assessment. (5.4t) N. G. FRENCH, Secretary.

Kelsey Gold and Silver Mining Company, Kelsey District, El Dorado County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 27th day of July, 1864, an assessment of ten cents per share was levied upon the capital stock of said Company, payable on the 28th day of July, 1864, in United States gold coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday 10th the day of September, 1864, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees.

S. C. GARDNER, Secretary.
Office, 605 Sacramento street, First door West of Montgomery street, up stairs. 5-4t

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, or to J. H. Cassidy, at the mine.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be declared delinquent, and advertised as such on Saturday, August 27th, 1864, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.
Office, No. 322 Front street, San Francisco. 5-4t

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees said Company, held on the 23d day of July, 1864, an assessment of 50 cents per share was levied upon the Capital stock of said Company, payable on the 25th day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the Company, No. 25 Montgomery Block, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday the 16th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. F. G. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 5-4t

Ossipee Gold and Silver Mining Company, El Dorado County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day nf July, 1864, an Assessment of five cents per share was levied upon the capital stock of said Company, payable in United States gold coin; and that at a meeting of the Board of Trustees of said company, held on the 26th day of July, 1864, it was ordered that said assessment should be payable on the 26th day of July, 1864, to the Secretary at the office of the company, No. 708 Montgomery Street, city and county of San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 13th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.
Office, 708 Montgomery street, city and county of San Francisco. 5-4t

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of five dollars per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold Coin, to the Secretary at his office, or to the Superintendent R. R. Moss, at Virginia City.

Any stock upon which said assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. J. J. TREADWELL, Secretary.

Office, No. 626 Montgomery street, San Francisco. 5-4t

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of one dollar per share was levied upon the assessable stock of said Company, payable on the 24th day of July, 1864, in United States coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order nf the Board of Trustees.

GEO. L. FAULKNER, Secretary.
Office, 411 Clay Street, San Francisco. 5-4t

Pacific Powder Mill Company, Marin Co., California.

NOTICE.—A special meeting of the Stockholders of the above Company, will be held at the Office, No. 708 Montgomery Street, San Francisco, on Saturday, the 20th day of August, 1864, at 7 P. M., for the purpose of amending the By-Laws. By order of the Trustees.

4-4t A. H. MEYERPETER, Secretary.

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF AUGUST, 1864.

Aug. 3—UNCLE SAM.....
Aug. 13—GOLDEN CITY.....Capt. W. F. Lapidge.
Aug. 23—GOLDEN AGE.....Capt. E. S. Fransworth.

From Folsom street Wharf, at nine o'clock A. M., punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 29th day of June, 1864, the several amounts set opposite the Names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Butler, Mrs S F	154	20	$4 00
Chapman, Mrs S	80	5	1 00
Clark Joseph	77	35	7 00
Dennis, J R	78	20	4 00
Gilson E	178	10	2 00
Hardy, L J	1-2	5	1 00
Johnson, Ann M	157	8	1 60
Kiler, M	29	30	6 00
Lange, Elizabeth	98	5	1 00
Lange, Katrina	99	5	1 00
Lange, Eva	100	5	1 00
Lee, Andrew	17	5	1 00
Lee, Andrew	18	5	1 00
Lewald, Georgo	33	30	0 00
Matthews, L C	34	10	2 00
Miller, J H	173	5	1 00
McComb, E C	48	10	2 00
McCormick, H	49	10	2 00
McNeil, P	25	50	10 00
Nolan, M	172	15	3 00
Ryland, G F	82	20	4 00
Smith, George	38	5	1 00
Smith, Georgo	39	5	1 00
Smith, George	78	45	9 00
Snow, Ansil	142	10	2 00
Sommers, Simon	44	25	5 00
Stuhoff, R	81	5	1 00
Takham, H	141	20	4 00
Whaleu, John	75	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st, San Francisco, on the 13th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale. N. O. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 5-3t

Queen of Antilles Consolidated Gold and Silver Mining and Tunnel Company, Reese River, Lauder county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 1, levied on the 9th of January, 1864, of five cents per share; No. 2, twenty-five cents per share, levied on the 30th of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Reamer,	22 to 31	00	$22 50
Miron Pixley,	69 to 67	90	22 50
J Davis,	91 to 96	81	20 25
J W Denison,	37 to 93	75	18 75
P J Nolan,	97 to 99	45	13 25
C F Myers,	100 to 119	263	78 90
B Littlefield,	120 to 136	271	81 30
G Mitchell,		00	17 00
H Harps,	199, 140 to 158	250	75 00
J L Snyder,	158 to 163	00	27 00
Geo Bortle,	5, 7, 8, 10, 11, 12	61	15 25
C McElvy,	53, 54, 55	07	16 75
W H Head,	56, 57, 58	45	11 25
T Green,	89, 90	90	22 50
J P Boyce,	73	0	2 70
J C Triblebone,	22	20	5 00
C E Helfrich,	20, 21	10	2 50
J H Long,	32	10	2 50
W P Winham,	34	10	2 50
J G Dennison,	35	6	1 50
G R Baker,	4	3	75
S S Hussey,	14	5	1 25
R A Frazer,	15	3	75
T W Hollingshead,	68, 69 70	40	10 00
W H Estus,	71 to 74	25	6 25
J Stotla,	75 to 77, 70, 82, to 84	86, 88	107	26 75
T C Wales, Jr.	51, 52	25	6 25

And in accordance with law and an order of the Board of Trustees made on the 29th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the Office of the Company, on the 2d day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

G. B. LARRABEE, Secretary.
5-4t Office, 528 Clay street, San Francisco, Cal.

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment No. 3, levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows, being $1.50 per share:

Names.	No. Certificate.	No. Shares.	Amount.
Geo Brown,	10	50	$75 00
Geo Brown,	22	50	75 00
R Hughes,	11	75	112 50
W Wainwright,	23	90	135 00
W Schadi,	24	100	150 00
J S Scott,	25	80	120 00
Mrs W Wainwright,	20	100	150 00
Jas P Clough,	14	25	37 50
Jas P Clough,	15	25	37 50
Jas P Rogers,	8	20	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of John Middleton & Son, N. E. corner Montgomery and California streets, San Francisco, on Saturday the 13th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

SAM. P. HOWES, Secretary.
Office, Nos. 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 6-2t

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory. Office, No. 523 Clay street, San Francisco, California, July 23d, 1864.

Notice is hereby given that in accordance with an order duly made by the Board of Trustees of the Illinois Gold and Silver Mining Company, there will be sold at public auction by Jerome Rice and Co., at their salesroom, No. 327 Montgomery street, San Francisco, on Monday, August 29th, 1864, at 12 o'clock M., to the highest bidder for cash, in gold coin, so many shares of the Capital Stock of the said company, standing in the names of the hereinafter mentioned stockholders, as will be necessary to pay all assessments now delinquent thereon, together with costs of advertising, and all accruing charges, unless previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
Morgan Richards,	9	100	$100 00
Thomas Waters,	65	83	bal 52 00
N T Carpenter,	54	10	10 00
C L Johnson,	67 68	15	15 00
John Jones,	92	101	101 00

By order of the Board of Trustees.

5-5t B. W. MUDGE, Secretary.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Mr. Jarvis Jewett is our duly authorized advertising agent and collector in this city.

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 29th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
J P Davis,	33	10	$4 00
J P Davis,	15	5	2 00
J P Davis,	19	5	2 00
J P Davis,	79	10	4 00
W L Hutchinson,	24	5	2 00
W L Hutchinson,	26	5	2 00
W L Hutchinson,	28	10	4 00
W L Hutchinson,	31	25	10 00
W L Hutchinson,	32	25	10 00
Andrew Hutchinson,	96	25	10 00
F R Baby,	48	26	10 00
F R Baby,	49	25	10 00
F R Baby,	50	25	10 00
F R Baby,	51	25	10 00
A D Allen,	52	50	20 00
A D Allen,	53	20	8 00
A D Allen,	54	20	8 00
A F Mitchell,	59	25	10 00
A F Mitchell,	60	10	4 00
A F Mitchell,	61	15	6 00
M Wilton,	72	50	20 00
E Rnodell,	73	50	20 00
C W Brown,	82	45	18 00
F Mayo.	56	10	4 00

And in accordance with law and an order of the Board of Trustees, made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 623 Montgomery st., San Francisco, California, on Friday the 19th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.
Office, No. 623 Montgomery street, San Francisco, California. 5-3t

Well Partridge Mining Company, Weaver District, Weaver's Placer Diggings, Arizona Territory.

Notice.—There are delinquent, upon the following described stock (of said company), on account of assessment No. 1, levied on the 6th day of January, and assessment No. 2, levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders as follows, viz:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Asquith,	ass't 1 & 2 not issued	16	$4 75
Wm Asquith,	do do	45	11 25
H Bennison,	ass't 2	26	6 25
H Bennison,	do	27	50	6 25
H Bennison,	do	28	25	3 12
H Bennison,	do	29	25	3 12
Hugh Carlan,	do	45	10	1 25
E Draddy,	do	3	5	62
W B Gereau,	dn	62	20	2 50
W B Gereau,	dn	63	20	2 50
W B Gereau,	do	64	20	2 50
W B Gereau,	do	65	20	2 50
W B Gereau,	dn	67	20	2 50
W B Gereau,	do	68	20	2 50
W B Gereau,	do	69	10	1 25
Wm Hunt,	ass't 1 & 2	16	10	2 50
D B Harrison,	do 2	80	75	11 25
Benj Lewis,	do 1 & 2 not issued	45	11 25
G A Lloyd	do 2	81	25	3 12
T E Marchant,	do 1 & 2 not issued	05	16 25
T E Marchant,	do do	25	6 25
Wm McGowan,	do 14	10	2 50
Wm Watson McGowan assessments 1 & 2		15	10	2 50

And in accordance with law, and an order of the Board of Trustees of said Well Partridge Mining Company, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, to the highest bidder for cash (in United State's Gold and Silver Coin), at the salesroom of Messrs. Jerome Rice & Co., No. 327 Montgomery street, San Francisco, State of California, on Saturday the 27th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. MARSHALL WINN, Secretary.

Office, No. 430 Montgomery street, Room No. 6, up stairs, San Francisco, California. 5-4t

Sisters Gold and Silver Mining Company, Augusta District, Lander county, N. T. Office, 406 Front street, city and county of San Francisco.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 17th day of October, 1863, and 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Abraham Bryant	2 ass'ts, 61 62 64 65 97 103 104	94½	$28 35
W J Davis,	1 ass't 34	62½	9 37
J S Hughes,	do 81 82 83	575	86 25
Wm G M Janson	do 76	50	7 50
Ed Muller,	do 20 21 22 23	37½	5 63
Frank Melville,	2 asst's unissued	250	76 00
A H Parker,	1 ass't 9 11	60	9 00
I J Rolfe	do 24 25 27		
	23	100	15 00
G W Welch,	do 30	25	3 75
C Winter,	do 69		1 88
Wilson Brown,	77	200	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, city and county of San Francisco, on the 31st day of August, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. C. DODGE, Secretary.

5-4t

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, city and county of San Francisco.

There are delinquent, upon the following described Stock on account of assessments levied on the 2d day of November, 1863, and the 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C E Black,	1 ass't 71	50	6 25
Wm Franey,	1 ass't 74	100	12 50
O A F Gilbert,	2 ass'ts not issued	50	12 50
J G Hughes,	2 ass'ts 64 65 66	250	62 50
F S Lovejoy,	2 ass'ts unissued	450	112 50
Ed Muller,	1 ass't 19 20 21 22 23 24	62½	7 81
C B O'Bannon,	2 ass't's unissued	550	137 50
A H Parker,	1 ass't 18	25	3 13
I J Rolfe,	1 ass't 27	6½	81
G W Welch,	1 ass't 32	25	3 13

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 31st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. C. DODGE, Secretary.

6-4t

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, AUGUST 6, 1864.

VOLUME IX. Number 6.

Contents of Present Number.

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☞ FOR NEW MINING ADVERTISEMENTS see last page. ☜

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is only equalled in one instance by that of any other. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

ELECTION OF OFFICERS.

GOODWIN G. & S. M. Co.—Meeting, Aug. 1st. Trustees, G. M. Burnham, A. J. Shrader, Wm. Smith, E. V. Joice and J. D. Burdick. President, G. M. Burnham; Secretary and Treasurer, E. M. Chapin.

SUMNER G. & S. M. Co.—Meeting, Aug. 1st, Trustees, H. W. Byington, J. C. Beideman, J. T. Saxby, E. D. Wheeler and M. J. Burk. President, H. W. Byington; Secretary, M. G. Elmore; Treasurer, J. T. Saxby.

TECORIPO M. Co.—Meeting, August 4th. Trustees, John Carperton, Ogden Hoffman, I. P. Rankin, S. C. Bigelow, Charles Wittram, Smith Brown and James H. Goodman. President, John Carperton; Secretary, T. B. Bigelow; Treasurer, John Sime.

UNION M. Co.—Meeting, Aug. 3d. Trustees, W. O. Andrews, Joseph Powell, N. B. Terwilliger, James McCoy, J. L. Downs, J. R. Boyce and William Troop. President, W. O. Andrews; Secretary and Treasurer, J. C. Hutchinson, Superintendent, George W. Taylor.

NOTE.—Secretaries are invited to send us reports of their elections, together with any facts or information which may be of general interest concerning their works.

SMELTING COPPER ORE.—To test the practicability of smelting the valuable ores with which the Pittsburg district abounds, says the Shasta *Courier*, of the 30th ult., Mr. Karskie, of Copper City, on Thursday and Friday of last week, at the ranch of Johnson & Bro., on Stillwater, subjected fifty pounds to the smelting process. The ore selected for the experiment was from the Original Bully Hall claim, and although the arrangements made were quite imperfect, the result was far beyond the most sanguine expectations, fourteen pounds of metal being obtained, containing, it is estimated, not over five per cent. dross. We look upon this experiment as very encouraging to those holding interests in the Pittsburg district, and to our citizens generally, as it demonstrates the feasibility of reducing the ore at our doors and keeping at home capital that otherwise would be diverted to other points. The estimated cost of smelting per ton we have not ascertained, but we understand that the great saving in freight between shipping the crude ore and the metal from the furnace will much more than pay the expense of smelting.

The *Courier* farther adds in reference to the Pittsburg mines:—"Although business in this section has felt the general depression existing throughout the State, there are evidences of a better future soon to dawn. Work in the Twenty-six Company's claim is being proceeded with vigorously, in the full faith of their ultimate success. The Baxter, we learn, have struck some excellent float mineral, in sufficient quantities to indicate their near approach to the ledge. The Original Williams & Kellenger and Original Bully Hill companies are daily hoisting from their works a large quantity of valuable ore, and expect to commence shipping in a few weeks. When this is begun, with a prospect of continuance, we predict lively times for Copper City."

RECEIPTS of Treasure from the interior and mining districts since the 21st ult. amount to $1,500,000. The Branch Mint during the same period has taken about $575,000.

DEW is an invisible vapor, which, chilled by the cool surfaces of the flowers, bursts into tears over the beauty that must fade.

THE MUSIC OF THE TELEGRAPH.—The wires strung along the telegraph poles vibrate in the winds, and give forth notes regulated by the force of the gale. We have often placed our ear against a telegraph pole in the still quiet of a country road, and listened to the music of the wire. In the gentle breeze it breathes forth a harmony as soft as that from an Æolian harp, a fitting refrain, one might imagine, to the sorrowful details of battle or disaster which they might at the time be conveying. During the fitful blasts of a storm an imaginative person might well suppose the alternate swelling and softening notes were in sympathy with a corresponding raging and waning battle tide, the report of which was being transmitted by a thousand wires radiating from the scene of conflict to the uttermost parts of the continent.

A NEW FLANK MOVEMENT.—The Spaniards are talking about a maritime canal around the Rock of Gibraltar, so as to avoid the passage of the straits, in case of war. The French are also much interested in the proposed project. It is said no great obstacles are in the way, and the cost is estimated at *only* fifty millions. This would be a greater flank movement on old Johnny Bull, than any which Grant has yet attempted on Lee. It was formerly the great study of engineers to surmount obstacles. Now their ingenuity is more sensibly directed towards avoiding them.

THE NATIONAL DEBT.—The chief debt of this great nation, and the one which ought to press with the heaviest weight upon our shoulders, at the present time, is the debt of gratitude which the people who stay at home owe to the brave defenders of our soil and liberties—to that great multitude of patriot heroes who have gone out in the tide of battle to breast the surging waves of treason, and "man the life boats" to save the good old ship of State from the "breakers" with which she is surrounded. Dollars and cents can never pay, in full, that enormous debt.

THE EXPORTS of Treasure from New York for the first six months of the present year have been $29,268,000, against $20,587,000 during the same period last year, and are larger than during any similar period on record, except 1859. The imports for the same period were $129,300,000, against $90,100,000, during the first six months of 1863, and $84,800,000, in the first six months of 1862.

FIRES IN THE WOODS.—Fires are said to be raging in the woods in various parts of the State. In many places they are doing much damage by burning fences, valuable pre-empted timber, etc. There is a heavy penalty attached to the crime of setting the woods on fire, and if the guilty parties can be detected they should be severely punished.

HUNTER'S CONCENTRATOR, for gold, silver and copper, which we noticed, at length, last week, is now open for public exhibition, at 526 Montgomery street, over the "Blue Wing Saloon," where all persons interested in such machinery are invited to call and see it.

[Written for the Mining and Scientific Press.]

The Coal Fields of California.

EDITORS OF MINING PRESS:—The coal fields of California were seldom heard of when feet were the rage; but now, as feet are dead, coal may be of more interest. There are but few persons who are aware of the extent of the coal basins of California, or of the instructive lessons they teach with regard to the formation of coal from vegetable matter. Few people suppose, as they travel on the bonts to Sacramento and Stockton, that they are passing over a large coal basin with different coal strata, made through just the same process as is now taking place. Large extents of tule are year after year decaying and forming new matter for additional coal beds, until some upheaval in the ocean shall send the salt water again over our plains, as has been the case many times already, as the different coal strata will testify. The grain of our coal shows the tule leaves distinctly; and in no part of the world have I seen as reasonable indications from which to comprehend the theory of the origin of coal. From the foot hills of the Sierra to far out in the Pacific Ocean, is the coal formation seen, but the upheaval of the Coast Range and Mt. Diablo have destroyed the southwest portion of them, and have left the asphaltum as a residue. The coal dips to the San Joaquin, following nearly the descent of the hills to the plains, where it flattens as the plains flatten. It has been formed in a few places on its northern crop, but has not been worked there much as yet. The mines near Mt. Diablo have been worked for some years, and are now sending to market about two hundred and fifty tons per day. Most of the coal has been taken out quite shallow, and would not sell in other countries; but now the workings are getting deeper, and the coal improves in quality accordingly. As soon as the companies have finished their crop coal, they will probably find good house and steam coal. There is already a marked improvement as it deepens. It being new and owned by poor men, there has not as yet been much improvement made; the coal is handled too often to come to market in very good shape, and the cost of mining is too great to allow of much profit.

The character of the coal also is interesting. There is none such found on the Atlantic seaboard. At its first discovery it was called lignite by our scientific men, but now it is called cretaceous. There is considerable lignite found in California, on the summit of the Sierra. On the Dutch Flat road there are tertiary deposits in its original formation, and I believe the first found coal formation in so high an altitude, independent of volcanic upheaval. There is also tertiary and lignite on the sea coast, but it has been tossed about by volcanic action. All the coal on the Pacific is white ash coal; it does not cement, consequently will not do for blacksmiths, though at first discovery some of them are sure to pronounce it better than Cumberland coal. There is considerable money foolishly spent in trying to find coal of a character different from that which the geological formation will warrant; but more of this another time, from

CLAYTON.

[Written for the Mining and Scientific Press.]

Letter from Owensville.

EDITORS OF MINING PRESS:—The mineral wealth of any country, when so apparent a that of this region, will never fail to elicit the enquiry from the newly arrived, of "How and what is the best and most available means by which to extract the hidden wealth?" We all know that it takes capital and time to work and develop, even only one of our many mineral deposits, and we naturally look around us to see where the capital is to come from. The chief portion of California capital which has not been invested in real estate, is already employed in the mines of California and Nevada Territory. There are many mines throughout the country, and in this portion especially, that are now lying idle for the want of capital with which to work them. Here, as in all newly discovered mines, a few men who have the individual means and energy to develop some of their richest mines are at work; although their work is slow, still it cannot fail to be remunerative in the end; and in due time there will undoubtedly be an influx of capital adequate to the wants of the country. But little would be required to place them in a paying condition.

THE MINES.

To speak of any individual mine as being the richest, as is often the case with correspondents, would be absurd. The true wealth of no mine is known until it is thoroughly developed, or at least worked to the water line. Several companies have been, and some are now at work, upon their ledges; but doing, so far as I have seen, no more than what may be called surface work. In no one instance have they exceeded the depth of eighty feet; but in almost all cases they have found their ledges to improve. The formation is such here that it requires the use of powder and drills, it being a species of trap rock mixed with granite and slate. The ledges usually run northerly and southerly; some ledges, however, run east and west, which show, as do the others, an abundance of rich mineral. Not only are the mineral deposits found to be rich in one locality, but they are equally rich wherever found in this range of mountains, throughout a space extending north from Owens Lake at least one hundred and fifty miles and including both slopes of the mountain.

THE MILLS.

The works now in use, and also those being erected for the purpose of extracting the precious metals are not of the most extensive character, or not in all instances of the right kind. In Russ District the Union mill has been vainly endeavoring to extract the precious metals from lead and antimonial ores by amalgamation, whereas if they would erect furnaces, assort their rock and crush only that portion the most free from lead and antimony, and smelt the other portion, they could look for a good return. Perhaps they think thirty and forty dollars per ton will do, but as their rock undoubtedly contains more, why not save it all?

The Ida mill has been crushing Santa Rita rock, for several days past, with what success I do not know. Some people here predict that she will fail in saving the metal, as has been the case before on other and equally as rich rock. The new mill at San Carlos is expected to make a good run. She is certainly working good rock.

ROASTING FURNACES.

Two large furnaces are being erected near San Carlos, which will be, when completed, capable of doing constant work. They will not be ready for work until December. The builders having met with success in erecting a small furnace, have concluded to try it on a larger scale.

SAW MILLS, ETC.

Both saw mills are now running and turning out a large supply of lumber. Every thing looks dull about town to those who have nothing to do, but at no time has there been more work going on in the valley than at present. Hundreds of men come here to get work; they stop in town and because they see but little work going on, and cannot get employment at once they leave and report the country dull. Constant employment for the many can only make things look lively, and no mining camp was ever yet known to always have that at hand.

NEW ARRIVAL.

OWENSVILLE, July 24, 1864.

Meteors.

There is hardly any rational way of escaping from the conclusion, that all space must be as thickly peopled with these aerial fragments as is the air in a room with particles of dust. When the rays of the sun shine through a narrow chink, all these minute particles in the course of a ray are made evident, and so these atoms of the dust of the space are from time to time seen, not indeed when the sun is shining, but when in the dark but clear nights we watch the heavens, and note all the shining points that shoot out from the blue vault, and seem to disappear as they came. Probably, in the majority of cases, where there is merely this momentary line of brilliant light, the atom has been made bright by the friction produced and heat evolved in passing the thin air overhead. Heated intensely, the whole has become dissipated, being either broken up or oxydized into particles quite invisible. In other cases, where the magnitude is greater, the time longer, and the phenomena more marked, a sensible mass of it is caught up, and though attracted to the earth and approaching its surface, yet fails to reach it, being also broken up into minute fragments of dust by the enormous friction met with before it can reach the actual land and sea. That in their course downward these masses are occasionally swayed about, taking a zigzag or irregular path, seems certain; and now and then the actual broken fragments are seen to approach the earth, though they cannot be picked up on the spot where they appeared to fall. Now and then, however, a giant appears—a Titan among the minnows of the sky; molten on the surface by the friction, it yet succeeds in retaining its natural state, until at last it falls to the earth a solid, though not unbroken mass. Masses of magnetic iron and nickel, with occasionally other metals, and also masses of sandstone, have been picked up on the earth, after falling from the sky, and have been examined by competent chemists. They are the materials that people space; they are fragment of matter widely and perhaps universally distributed; they are materials collected or left behind by the wild comet in its course; they may be the food of the sun, the fuel conveyed in some mysterious manner to keep up that burning mass that is the source of light and heat, whose rays give life, and of whose atmosphere we are now beginning to learn something from the experiments recently made on light. And these materials accord pretty well with those common on the earth. They afford no new metal or mineral. They are combinations not unknown, if not common, of very familiar ingredients.

SOLDIERS STRIKE A GOLD DEPOSIT.—A letter of late date from Meade's army says: Two chimney-stacks all that remain to show the former site of a plantation house, were pointed out to me by General Foster. He tells me that a miserly old widow named Rice lived there "lang syne." She made her slaves catch fish from the prolific waters of the James, just before her door, which were sold for good prices in the Richmond market, so that she was enabled to hoard up money. Some time since she died, and her relations eagerly sought to get the fruits of her parsimony; but to their surprise, none of the coin could be found. The circumstance remained unexplained until our soldiers established themselves upon the late old lady's lands. Some of the lads, hungry for fresh fish, began digging about the chimneys for angle worms, which there abounded, of particularly tempting taste and size to eel and catfish. Suddenly one of them struck a vein of gold and silver, which was confined to a common iron pot, which doubtless had done good culinary service in its day. Here the old woman buried her treasure, which the soldiers disposed of so hurriedly that it is scarcely probable its precise sum will ever be known. There were eagles, half eagles and quarter-eagles, besides pieces of larger value and quantities of silver coin. Some say there were as many as $20,000, and others not more than $1,000. At any rate there was great scrambling and no attempt at a fair division, the finder being so astonished at his good luck that the spoils were gone before he could recover his senses. I saw specimens of the "find," which looked very bright and winsome—especially at the present Wall street quotations.

THE Shasta *Courier* says that springs and wells, in that region hitherto, supposed to be never-failing, are drying up. It is feared that all in the valley will fail before rain comes.

The Mining Panic—Fluctuations in Silver Mining.

Two years ago, in writing of the excitement which pervaded this entire State upon the then new theme of silver mining, whilst admitting the probability of ultimate good results in a general State and National sense, we cautioned individuals against allowing themselves to be hastily led away from the humbler yet surer and far more pleasant vocations into which society here was gradually settling down. We prophesied that capitalists would possess themselves in some way of all the valuable discoveries of labor, and that even capital, in a business traditionally so uncertain and fluctuating as silver mining, would meet with many rebuffs and disasters, which, when the times became ripe for the final crash, would involve thousands of men besides the mining adventurers. These things are now in course of verification. The bubble raised by the thousands of speculators, which for two years has kept the State in a condition bordering on madness, has exploded. Confidence in silver mining is shaken, and before it can be restored the whole business must be reformed. The age of wild-cat stocks has gone by. "A child once burnt avoids the fire ever after." The really good and valuable mines will suffer with the thousands of humbugs. Indeed, it is found that the very best of them have been overrated. They have infirmities which can neither be seen or guessed at from anything visible on the outside, and though the dividends may pay four per cent one month, no man knows what the morrow may bring forth. There are "horses"—dead horses of huge proportions concealed in the richest veins, and subterranean water channels which defy the power of machinery. Then, too, the broadest veins run to a sharp point sometimes, and just when the company is in the fullest blast of prosperity, employing hundreds of men night and day, and declaring the largest dividends, the Superintendent makes the startling announcement—"No more pay rock; 'horse;' vein run out!" The hands are discharged, shareholders become alarmed, the stock is thrust upon the market in haste, and the panic becomes universal. We suppose the Gold Hill silver mines and the Gould & Curry have paid about as well for the last two years as any mines ever worked in any country. They have yielded their holders from two to three and a half per cent on investments, steadily. Of the more than five million dollars produced from the latter mine during the last year, more than a million and a half has been clear profit. The net yield in some of the Gold Hill mines has been proportionally larger. These have been the successes in Washoe silver mining. Compared with the failures they are as one to five hundred. The Wide West, Real del Monte, and Burning Moscow, all two years ago thought to be as valuable as the best, have proven but sad failures, involving hundreds of worthy parties in ruin. But even these are nothing to scores and scores of others, which at Reese River, Aurora, and elsewhere, have attracted poor adventurers, become popular on the reputation of the Comstock ledge, and ultimately wasted the hard earnings of thousands of our people who invested in them when the excitement ran high.—[We think the writer, albeit he has given much sound sense in treating this subject, is rather sweeping in his assertions in this immediate connection. We give his language, however, as we find it.—ENS. PRESS.

Men who took the trouble to inform themselves about the history of silver mining in Mexico and South America are not much surprised at these results. While at times it has happened that no business has more amply rewarded capital, these have been exceptions and not the rule; even in the best localities failures have been numerous, and the very richest mines have ruined more than they have rewarded. It is is said, on good authority, that the great mine of La Luz, in Mexico, produced yearly, for five consecutive years, a net profit of $5,000,000 to its owners. It then "run out," and and became worse than a dead loss. In 1808, there were 500 mining establishments in active operation in the country, working rock from 4,000 different veins; yet the annual production of silver was but $20,000,000, though a far greater sum than that must have been expended for labor, machinery and supplies. A few got rich; the vast majority sunk capital and wasted their labor.

The *London Quarterly Review*, for April 1864, furnishes some valuable and interesting statistics of two of the most noted and profitable Mexican mines. The first is the Real Del Monte, situated in the State of Durango. This mine attracted but little attention until 1749, shortly after which it fell into the hands of one Count de Regio, who followed it down through water to the depth of 600 feet from the surface, employing five thousand mules to pump and keep it dry. He worked it for nearly thirty years, and up to the time of his death, had taken out $15,000,000 in silver, realizing immense profits. His mule power failing to keep the water out of the mine, it was abandoned and lay idle until 1824, when an English company took possession and introduced powerful machinery. After getting to work at enormous expense they soon found the vein even richer than they expected; but after working for 23 years, and producing $10,481,475 worth of silver, they found their expenses greater than the proceeds of the mine by $5,000,000. The company was then dissolved and its property all sold to a party of Mexican adventurers. These last settled down to work on a lead which had for half a century been abandoned for its poverty, and which they called the Rosario. At the end of twelve years their net profits were nearly nine millions of dollars—nearly five millions of the amount having been realized in the years from 1857 to 1863. The gross proceeds of the mine from 1851 to 1862, inclusive—a period of twelve years—were $18,488,278. The cost of working, was $9,643,063. Profits, $8,835,205. From this statement it must be inferred either that the ore of the Rosario mine was far richer than that of the Gould & Curry, or that the costs of working were much cheaper in the former than the latter. The net profits in the Gould & Curry have been but about 33 per cent. of the gross proceeds, while in the Rosario, for a term of 12 years, the net profits were 48½ per cent. of the gross proceeds of the mine.

The success of one or two companies in Mexico in 1835-6, created a mining excitement in Europe, which ran very high among London capitalists and adventurers. In 1837 these Englishmen invested $15,000,000 in mining enterprises. It was nearly a total loss. Yet good came of it in a general way. New towns and settlements sprang up, roads were built, and the country obtained temporary and permanent advantages, which will be realized under a regime of more moderate expectations and more practical workers. And so it will be with Washoe. The crash is inevitable. The thousands *must* be worsted for the present; high hopes must languish and go about in mourning; shyster lawyers and gloved brokers in wild cat stock, with all the multifarious horde of gambling vagrants who follow after the chase for gold where the trail is hot, must be exchanged for a different and more useful class of men. Practical knowledge, by and by will step in to the aid of earnest industry, titles will be settled, and then the new start will be fairly begun. Till then, we fear it will go a little hard for Washoe. Meanwhile, however, all has not been for evil. These discoveries and the wild hurrah for the new god Silver, have given us solid and admirable roads across the mountains, planted towns on the other side, and laid the solid foundations, we trust, for a new State in which the American character will not suffer deterioration.—*Stockton Independent.*

THE LAKE SUPERIOR GOLD EXCITEMENT is still on the increase, and is attracting a large share of public attention in the north western states. The Detroit *Tribune*, of a late date, says:—

There has been no less than four steamboat arrivals from Lake Superior since Saturday. The most important item is that pertaining to the auriferous deposits. The fact of the existence of gold in quantities that will repay the labor of mining is no longer a matter of doubt, and the excitement at present surpasses that growing out of the silver-bearing lead discoveries. The "pure stuff" has been found in section two, township twenty-seven, range forty-eight west. The excitement growing out of this discovery is very great.

The most important discoveries thus far are those in the tract on section ten, in township fifty north, range twenty-eight west. Here a vein of iron pyrites six feet wide has been discovered, the pyrites being exactly similar in appearance to those first brought from Lake Superior, which were analyzed last winter by the most accomplished chemists in Philadelphia, and found to be rich in pure gold.

The geology and topography of the country, where these discoveries have been made, are considered highly favorable for an extensive development of mines containing this precious metal.

THE WASHOE.—This boat is fast becoming a favorite with the traveler, and every attention is paid to the wants and comforts of passengers. The, tables which are presided over by Mr. Grush, are spread with every luxury which the season affords. This culinary Sage has raised the art of cooking into a profession. In regard to the speed of this and the old line boats, there is not much difference. The latter have some advantage in crossing the Bay, but in threading the Sacramento, Capt. Kidd takes advantage of the short turns and lands his passengers fully as soon as his competitors.

Formation of Mineral Veins.

Mr. E. J. H. Broad, of Liskeard, under date of June 20, writes to the *London Mining Journal* as follows: Having of late read such abstruse theories as, for instance, of those who believe the earth was ejected from the sun, just as a spark would fly from a smith's anvil; and the sun's influence, through the number of years which it has existed, having brought it to its present state of perfection; it is far more feasible to think that the Divine Being, to whom we owe our existence, created the earth of its present density, and then gave it motion. The motion I mean in this case is the susceptibility things have of being altered—anything out of its element must decompose and disseminate the atoms of matter of which it is composed to their simple state. All organic substances are in one continuous motion, and all inorganic substances (out of their element) are decomposing by the principal destructive agent in nature (oxygen). Thus is the whole universe in one continuous motion. After substances have existed, and can no longer exist, in their present form, nature brings all those atoms to their simple state to join others in the formation of a new substance. From this hypothesis I infer that mineral veins are formed; the water carrying those atoms which are congenial to it through fissures of the earth, and continues to run until it meets with a strata of ground impervious to it; there it meets with other waters carrying in solution that which has affinity for it. Consequently, from a law in chemistry, that two bodies unite to form a third, distinct from either of the combining bodies, a precipitation takes place; the water runs on, and from the downward pressure, eventually forces up at a lower level, and forms those beautiful springs which are so beneficial to mankind.

Now, in deep sea soundings it is the general impression that it is owing to the under current we find no bottom, without knowing why the under current should exist. It appears to me that all submerged substances float at a certain depth for this reason. The superincumbent pressure of water, conjointly with the decreased attraction of gravity, renders the water equal in density to the submerged body, consequently it floats in equilibrium. If such is the case, we can easily account for those huge rocks rudely placed so far inland; and I believe it to be an established fact that the earth is continually changing its form. Hence it is those large stones were broken from the rock and floated until they found the acclivity of land, where they might have been tumbled about by the action of the water, until the crust of the earth assumes another form, the water recedes and leaves them dry. No doubt the change which takes place within the crust of the earth is owing to the formation of substances. Why not, on the same principle that vegetable substances petrify, should not the beds of rivers, in which are imbedded shell-fish, &c., petrify? then we might easily account for shells being found in rocks. I trust no one will be so presumptuous as to attempt to unfold the mysteries of this mysterious world, nor jump hastily at conclusions, before asking themselves the reason why.

A Kind Word for "Mother."—Despise not thy mother when she is old. Age may waste a mother's beauty, strength, limbs, scenes, and estate; but her relation as mother is as the sun when it goes forth in its might, for it is always the meridian, and knoweth no evening. The person may be grey-headed, but her motherly relation is ever in the flourish. It may be autumn, yea, winter with a woman, but with the mother, as mother, it is always spring. Alas, how little do we appreciate a mother's tenderness while living! How heedless we are in all her anxieties and kindness! But when she is dead and gone, when the cares and coldness of the world come withering to our hearts, when we experience how hard it is to find true sympathy—how few will befriend us in misfortune—then it is that we think of the mother we have lost.

Don't Work.—The movement of the "loyal" ladies in the East, to wear calico and do away with silks, etc., don't work. The New York papers say the movement is a failure. We are sorry to hear it.

The Treasure Shipment by the Uncle Sam on Wednesday was $1,365,210; the excess, thus far, this year over last is $8,843,874.

A Practical Miner on Scientific Mining.

A writer, who signs himself "Practical Miner," sends the following to the Mariposa *Gazette*:—

Although mining has been carried on successfully for centuries, and like every other branch of business, whether mechanical, artistic or scientific, still admits of many and important improvements. Yet to us, who have learned what little we know in California, it is amusing sometimes to hear the experiences of men who have spent a life-time in scientific research, and have as yet failed to make mining profitable. The trouble appears to be that their's is a *scientific* process, they carry out the old system in vogue in England, Germany and Mexico, taking it for granted that to us it may appear scientific. It is probably well for us to see the contrast, or none of our many rich mines would pay the expense of working. We see this fully confirmed in this country. It is needless to cite instances, as all are well aware of the facts.

Sometimes they persuade the extensive holders of feet in San Francisco, that they can make the sulphurets pay from $800 to $1,500 per ton if they could manage it their own way; and often the holders of feet regret having learned their way—for developing mines is rather expensive—and the consequence is they *devil-up* the entire enterprise; or they conclude the *adverse lores* are very difficult to work, they cannot be made profitable outside of their laboratory.

The only way mining can be carried on successfully is by hard work—every man engaged in it to be a working man. The only important improvement as yet made in extracting ores has been studied out by these men, and every *practical* man admits that they are improvements.

Barrel Quartz.—On Laidlaw's Hill, forming the eastern division of the Waverley Gold District, Nova Scotia, has been found in great abundance, a peculiar variety of quartz-rock which has acquired a wide reputation under the name of *barrel-quartz*. Mr. Philips, of London thus described it:

The most remarkable deposit of auriferous quartz hitherto found in Nova Scotia is undoubtedly that at Laidlaw's Farm. The principal workings are here situated near the summit of a hill composed of hard, metamorphic shales, where openings have been made, to the depth of four or five feet, upon a nearly horizontal bed of corrugated quartz of from eight to ten inches in thickness. This auriferous deposit is entirely different from anything I had before seen, and when laid open presents the appearance of trees or logs of wood laid together side by side, after the manner of an American corduroy road.

From this circumstance the miners have applied the name of "barrel-quartz" to the formation, which, in many cases, presents an appearance not unlike a series of small casks laid together side by side and end to end.

The rock covering this remarkable horizontal vein is exceedingly hard; but beneath it, for some little distance, it is softer and more fissile. The quartz is itself foliated parallel to the lines of curvature, and exhibits a tendency to break in accordance with these striæ.

The headings, and particularly the upper surfaces of the corrugations, are generally covered by a thin bark-like coating of brown oxyd of iron, which is seen frequently to enclose numerous particles of coarse gold, and the quartz in the vicinity of this oxyd of iron, is itself often highly auriferous.

The corrugations, or folds, appear to be accounted for on the hypothesis of a lateral thrust producing the undulations. The value of the barrel quartz has been not so much from its large average yield of gold as from the comparative cheapness with which it has been mined. It appears from the statements in the Chief Gold Commissioner's Report, dated Jan., 1863, that each miner on Laidlaw's Farm averaged for the last three months of the previous year over nine tons per month, while in other districts the average monthly product per man was from two to three tons. The average yield of gold was small, about five pennyweights to the ton; the maximum being three ounces, not including remarkable discoveries, like that of the Chebucto Company, of a mass of this quartz, yielding as already mentioned in the introduction, for a volume of not over two cubic feet, over $4000 in value, of gold.

The only refreshing thing that came to note yesterday, says the N. Y. *World*, was an incident that occured between two acquaintances. "Can't you propose something cooling?" remarked one, to which the other replied, "Yes, lend me fifty dollars!"

The Pope has sent $1,000 to the Sanitary Fund. The amount was equally divided between the Federals and Confederates, as directed by the donor.

How Age Changes Us.—These who are old enough to know the ways of the world will agree with us when we say there is much truth in the following paragraph written by Sir E. Bulwer Lytton. It occurs in one of his essays:

There was one period of my life when I considered every hour spent out of the capital, as time wasted; when with exhilarated spirits I would return from my truant loitering under the summer trees, to the smoke and din of London thoroughfares. I loved to hear the ring of my own tread on the hard pavement. The desire to compete and combat—the thirst for excitements opening one upon the other in the onward march of an opposing career—the study of man in his thickest haunts—the heart's warm share in the passions which the mind, clear from inebriety, pauses to analyze—these gave to me, as they give to most active men in the unflagging energies of youth, a delight in the vista of gas lamps and the hubbub of the great mart for the interchange of ideas. But now I love the country as I did when a little child, before I had admitted into my heart that ambition which is the first fierce lesson we learn at school. It is partly that those trees never remind us that we are growing old. Older than we are, their hollow stems are covered with rejoicing leaves. The birds build amid their bowering branches rather than in the lighter shade of the sapling. Nature has no voice that wounds the self-love; her coldest wind nips no credulous affection. She alone has the same face in our age as in our youth. The friend with whom we once took sweet council, we have left in the crowd a stranger—perhaps a foe! The woman in whose eyes, some twenty years ago, a paradise seemed to open in the midst of a fallen world, we passed the other day with a frigid brow. She wore rouge and false hair. But these wild flowers under the hedge-row—those sparklings in the happy waters—no friendship has gone from them! Their beauty has no simulated freshness—their smile has no fraudulent deceit.

"Hope On."—The student toils in his lonely attic, wearing his life away with the "midnight oil" pouring over books that

> "Turn back the tide of ages to its head,
> And hoard the wisdom of the honored dead,"

hoping with the magic power of eloquence, the witchery of sons, the vagaries of philosophy, or the voluminous flow of imagination all, as yet, unsyllabled, undreamed of and unsung, to startle the world.

Hope on, whispers the heart. He hopes and waits, unhonored and unnoticed. He labors and toils, and despairs, and sinks to rest on the right arm of his strength—while another, far less of a giant in intellect, fills all the heavens with the brightness of his meteoric blaze. The sculptor chisels at the uncouth stone—destroying and reproducing—encouraging and disheartened—cursing the visions of beauty which haunt his midnight hours, and which he would give the world to catch. The artist plies the pencil in the studio, blending the yielding colors, in increasing and subduing the light—now at the hight of hope—anon at the depth of despair. The adventurer treads the mazes of the forest, or parts the long prairie grass and gazes on the undiscovered regions only in fancy.

Hope on! whispers ambition. They wait. A Powers startles the world—a modern Michael Angelo "fills out his short cycle"—and a De Soto, with his Eldorado dreams unrealized, while the torch-light flashes up on the waves of the Mississippi, is lowered to find rest upon the bosom of the cold waters.

Hope on! murmurs Faith to the dying Christian. His dark eye loses its luster, his lips quiver, delicious strains float upon the air, winged messengers people the room, a short struggle and he is gone. He waited! He waited long and patiently. He suffered and was strong; and while the rest who waited and played like children with the sea shells upon the beach of eternity were swept away one by one, he was at rest in that glory which at times was so dimly visioned to him when he knelt in the quiet twilight in prayer!

What They Say of us Abroad.—The London *Times* says that there has been no such fighting in the history of the human race as that between Grant and Lee in Virginia. The Paris papers also think the recent battles in America surpass everything of which history furnishes an account. Xerxes, Darius, Tamerlane, Attila, led larger armies into battle, but never did these armies fight for weeks together, without giving signs of lassitude and discouragement.

A Connecticut farmer has discovered that his cows have been regularly milked by black snakes, who took occasion to attach themselves while the cows were reposing in the fields. Many snakes have been thus caught and killed.

The Press—What is It?—The realm of the Press is enchanted ground. Sometimes the Editor has the happiness of knowing that he has defended the right, exposed the wrong, protected the weak; that he has given utterance to a sentiment that is not lost—a sentiment that has cheered somebody's solitary hour, made somebody happier, kindled a smile upon a sad face, or hope in a heavy heart. He may meet with that sentiment months, years after; it may have lost all traces of its paternity, but he feels an affection for it. He welcomes it as a long absent child. He reads it for the first time, and wonders if, indeed, he wrote it, for he has changed since then. Perhaps he could not give utterance to the sentiment now; perhaps he would not if he could. It seems like the voice of his former self calling to the present, and there is something mournful in its tone. He begins to think, to remember—remember when he wrote it, and why; who were his readers then, and whither they have gone; what he was then, and how much he has changed. So he muses, till he finds himself wondering if that thought of his will continue to float on after he is dead, and whether he is really looking upon something that will survive him. And then comes the sweet consciousness that there is nothing in the sentiment he could wish had been unwritten; that it is the better part of him; a shred from the garment of the immortality he shall leave behind him, when he joins the "innumerable caravan," and takes his place in the silent halls of death.—*Chicago Journal.*

How Birds Cling to a Limb.—How ingenious are the springs which move the feet of birds? It is not by a play of the muscles which their immediate will determines, that they hold themselves firm on a branch; their feet are so constructed that, when they are pressed in the centre or at the heel, the toes naturally grasp the object which presses against them. From this mechanism it follows that the claws of a bird adhere more or less rapid; for, in the waving of the branch, either the branch presses against the foot or the foot against the branch, and in either case there results a more forcible contraction of the claws. When in the winter season, at the approach of night, we see ravens perched on the leafless summit of the oak, we imagine that it is only by continual watchfulness and attention, and with incredible fatigue, they can maintain the position amid the howling tempest and the obscurity of the night. The truth is, however, that unconscious of danger, and defying the storm, they sleep amid the war or winds. Boreas himself fixes them to the branch from which we every moment expect to see them hurled; and, like the veteran mariner whose hammock is slung to the masts of a vessel, the more they are rocked by the hurricane the more profound are their slumbers.

The Human Eye.—The language of the eye is very hard to counterfeit. You can read in the eye of your companion, while you talk, whether your argument hits him, though his tongue will not confess it. There is a look by which a man shows that he is a going to say a good thing, and a look when he has said it. Vain and forgotten are all the fine offices of hospitality, if there be no holiday in the eye. How many furtive invitations are avowed by the eye though dissembled by the lips. A man comes away from a company; he has heard no important remark, but if in sympathy with society, he is cognizant of such a stream of life as has been flowing to him through the eye. There are eyes which give no more admission into them than blue berries; others are liquid and deep wells that men might fall into; and others are oppressive and devouring, and take too much notice. There are asking eyes, and asserting eyes, and prowling eyes, and eyes full of faith—some of good and some of sinister omen.

Thunder During Disease.—William Vincent, Esq., of Waterford, called at our office this morning to inform us of a most remarkable occurrence on Thursday, the 28th ult., in Green township. Captain Amos Walker, an aged citizen of that township, who has been very deaf for many years, had his hearing suddenly restored during a thunder storm on that afternoon. Captain W. states that immediately after a loud report of thunder his head seemed to "feel all hollow," and that he told those about him that he could distinctly hear all they said. He is now able to converse without the slightest difficulty, hearing as well as persons fifty years old (he is a great deal older) generally do, and presenting in his case a curious fact for the investigation of the learned and scientific.—*Erie Gazette.*

George Peabody, the American banker in London, will retire finally, from active business in October next, when his existing partnership terminates. He intends to return to this country, and remain permanently.

Judge Rondurant has decided that all court fines are payable in greenbacks.

Our Summary of Mining News.

OLEANED FROM VARIOUS EXCHANGES.

WASHOE.

The Dardanelle, which has been engaged for some two or three weeks in repairing its old drift, is about ready to commence running ahead again.

The Kentucky struck a stratum of quartz in its tunnel a few days since, which is evidently a feeder to a ledge. It is about a foot in thickness, and is composed of excellent looking mineral. The tunnel is now about 665 feet in length, and will not have to be run more than a hundred feet or so to strike the ledge, 300 feet below the surface of the ground.

The Central American is down to the depth of about 100 feet with its shaft, and has run a drift west about fourteen feet. No ledge has yet been struck, but the drift will not run far without coming into one. It does not crop out, but it comes to the surface, and its situation and course is well known.

The Baltic is running a drift from its shaft westward to the ledge. It will probably have to be run two or three hundred feet in all to strike the ledge, but a considerable portion of the distance has already been run. The company have no doubt but that when the ledge is struck by the drift, it will be at a sufficient depth to find good pay rock. The company has for some time past been busy running a drift to the north, to connect with the North American mining works, for the better ventilation and development of both mines. That work is now accomplished.

The Globe Company keeps steadily along with their work.

The New Oregon Company has probably started up its new machinery ere this.

The Knickerbocker intends to suspend operations in the lower shaft, in the course of a week or so and commence work in its upper shaft again. If the ledge pitches into the hill, which it in all probability does, this upper shaft is the proper one to work the ledge through for it approaches nearer to the ledge the deeper it goes.

The Belcher just as they reached the water level in their old works, struck a vein of very rich ore, which was sacked, amounting in all to six tons. This small lot was worked at the Eureka Mill, and yielded the enormous sum of seven hundred and seventy dollars per ton. The Belcher company are sinking their south shaft, so as to drift at a lower level, where they will intersect the same strata.

The Jewett & Sheppard is still busy sinking its shaft deeper. There is considerable water, but no more than is easily taken out by the use of the machinery. If the company keeps on sinking a few days longer, which it intends to do, it will have the deepest shaft on American Flat.

Sutro Mine.—This claim is located on the north side of Cedar Hill, about in a line with the Sacramento claim. The company claim 2,400 feet on the lead upon which they have located, and have been at work for its development nearly all the time since 1860, the time when the location was made. They started in near the ravine which bounds the hill on the north with a tunnel, and following a feeder ran into the hill southward about nine hundred feet, when the feeder led them to a vein some twenty feet in width, containing very fine looking rock. This rock assays from $25 to $100 per ton, but taking the average between the walls is not rich enough to pay the crushing. In order to find the ore in a more concentrated state, the company started a shaft at this point four feet by eight in the clear, which is now down forty feet. Owing to the rapid influx of water, this shaft has been abandoned for the present. There are drifts reaching back some one hundred feet further than the shaft, which were driven for the purpose of further defining the vein; they show no more, however than was shown at the point where the shaft was started. Until lately the Company have had fifteen men at work upon the claim, but a few days since, under the pressure of the dull times, all but four were discharged. What they need at present is money, to put up some sort of apparatus for draining their shaft, in order that they may follow the lead to a greater depth below the water level. The feeder which they followed in from the ravine was exceedingly rich in places, though there was never a sufficient width of ore to prove profitable. In some places the feeder was four or five feet in width, when, again it would pinch out to a mere streak of clay an inch in width, yet it never fairly disappeared and finally led into what appears to be a main vein. Men who have worked upon the Ophir, Gould & Curry and other famous veins in the Territory, having examined the ore of the main vein of the Sutro, speak of it in terms of praise very encouraging to the owners. It is certainly in a good range and the croppings on the hill are very encouraging.—*Enterprise.*

The "Dana," on Reservoir Hill, have an incline 160 feet deep, with a 16-inch lode looking as rich as almost any vein in the vicinity.

REESE RIVER.

The *Reveille* speaks very encouragingly of the mining prospects of Reese River. Late experiments having freely proved the importance of roasting the ores of that region, nearly all the mills will have roasting furnaces as soon as they can have them built. In addition to the furnaces which we have already mentioned from time to time as in process of erection, we have noticed since our last issue, that the Clifton have determined upon putting up furnaces. The ground for the same has already been prepared. The proprietors of the Eureka mill, at Big Creek, have let a contract to Mr. McGinnis, of Austin, to put up furnaces for their mill. Mr. McG. has already completed similar contracts at the California, Hildreth, and Oregon mills and given the fullest satisfaction.

We condense the following items from the *Reveille*:—

Hildreth's mill, which has been stopped a short time for repairs is now running again.

A new quartz mill is now on the way to Egan Cañon, and will be used for crushing the rock of the Gilligan lead, which is proving to be extremely rich.

Mr. A. Maynard is building a new two-stamp quartz mill which will be run by hand power, and will crush upward of three hundred pounds a day. It will be ready to work next Monday, and Mr. Maynard expects to build a larger one in a short time, and have it run by horse power.

Near the mouth of the Union tunnel is a small two-stamp mill operated by wind. The stamps are made of an iron axletree, bisected in the center, and are capable, in a windy day, of crushing two hundred pounds. They are operated with a very slight wind.

An enterprising German has started a two-stamp quartz mill in Cedar ravine, which is propelled by an industrious Shoshone, and is doing splendid work. It promises to yield largely.

A gentleman has been visiting Austin, who is interested in a quartz mill in Colorado Territory, which he intends at an early day taking to Austin.

In Marshall Cañon, South of Austin, there are now quite a number of claims which are attracting considerable attention, among which are the Cox and Rose, Whitlatch Union, Union, No. 2, Eclipse, Marshall, etc.

Little Minnie.—Two tons of ore from this claim, lately crushed at the Pioneer mill, yielded $420, over all expenses of hauling and milling. It is said that a plenty of equally rich ore can be obtained.

"The Mother of Ledges," in Santa Fe district, is said to yield very rich rock, rich in both gold and silver. Several other late and rich discoveries are reported in this district.

The "Lander Ledge," is one of the oldest locations on Lander Hill, on which considerable work has been done, and from which much rich rock has been taken. They have an incline down 80 feet. The Lander is supposed to be on the same range with the North Star.

The "Mills, Post and White" is now a consolidated company, from which considerable good rock has been taken, but as yet from no great depth. A tunnel is now in progress to strike the ledge at the depth of 80 feet.

Two tons of ore from the "Esther," lately yielded at the Pioneer mill, 2,400 ounces of silver 900 fine; $152 were taken out from 100 pounds of assorted rock from the above two tons.

The "Seymour" company after sinking 100 feet, lost their vein. They are now running a horizontal drift at a still lower depth, hoping soon to strike the ledge again.

The "Oregon" mill recently took out 260 lbs. of amalgam from one charge of their steam tub, the result of four hours run, which indicates over $2,000 per ton. This is considered "the big clean up of the season." This mill has recently been crushing rock taken from the North Star claim that is yielding $800 per ton.

The "Perseverance," commonly known as the "Warner & Wells," though a small lode, has produced some of the richest ore ever obtained. From it was taken the ore that was worth over $22,000 per ton. An incline is now down eighty feet finding the lode continuous and regular, with much good rock. It is natural to expect that a lode furnishing so exceedingly rich an ore near the surface, should prove a more than common mine at a greater depth. Under such favorable expectations the owners are vigorously sinking the incline for its thorough development.

The "Whitlach" company shipped over $6,000 in bullion on the 26th and 27th ult. Some of their rock overun $400 to the ton. The company are now going ahead with the intention of having all the rock crushed which they can possibly get worked.

The "Morgan & Muncey" owners are making some important developments upon their ground.

The "South American" is now raising some very fine ore, having lately passed through a somewhat broken ledge. The lode is quite large, and would, it is thought, pay well, could a mill with roasting furnaces be obtained for working it. Twenty or thirty tons of good ore are now in store ready for the mill.

The "Ozark Company" are progressing rapidly with their incline, under favorable auspices. The lode is rapidly improving as it is further opened.

The "Fenian Lode" is located on Austin Hill. An incline of 50 feet has developed a 20-inch vein, the rock from which, it is said has paid from $30 to $150 to the ton. Small lots worked by hand process have gone up into thousands to the ton. The owners of this mill have become dissatisfied with returns from the mills, and are now putting up a small one, of two stamps to be operated by man power.

The "Banner Lode" has an incline 80 feet deep, showing a lode upwards of two feet wide, with considerable ore and all indications favorable.

ESMERALDA.

The Del Monte, according to the Esmeralda *Union*, which not long since had dwindled down to an inch in width in the lower shaft, is now four feet wide and is beginning to look as if it meant to become still wider and as rich if not richer than above.

The *Union* very correctly adds that whenever a company have a well defined lead there is little fear of it "petering out" only in the imagination of those who never studied the science of mining. It is the confident belief of every good and practical miner in this district that the Del Monte cannot fail to reach a large deposit of the precious metals at no great distance from the bottom of their lower shaft, and the fact of the lead at that point becoming larger and better, ought to convince any of the skeptics that are or have been idling about our streets to the detriment of the interests of the district, that their discouraging theories are unfounded.

[This strike has been at or near the water level, and the work in this direction has been carried on at the suggestion of Mr. Attwood, made at the time of his late visit to that mine, who then assured the company that they would in all probability find good pay rock at this particular point. Eds. Press.]

Wide West.—Of this company's mine the *Union* says:—It was said by many that the Wide West company when their lead narrowed to an inch in width, would never strike pay rock again, and the lead would finally become entirely extinct; but miners of experience never for a moment entained an idea so clearly absurd. Work in the shaft was vigorously pushed forward and the result is highly gratifying. Had the Wide West company, while working out the rich chamber, the rock from which yielded such an abundance of gold and silver, continued to sink upon the lead and prospect their claim in a scientific manner, the result to-day would be far different, and in all probability ere this they would have reached the second chamber. But instead, unfortunately, they pushed forward a tunnel that to the practical and experienced miner promised little or no fruit, thus squandering a sufficient amount of money to have developed the permanency of the mine. Under the direction of the present superintendent, however, a more judicious expenditure of the company's money is being made, and a satisfactory result may be expected.

The Crockett.—The energetic superintendent of this claim, Mr. John Daggett, has shipped, the present week, for the company $2,341 the result of the first month's work under his charge. This result is highly satisfactory, considering the heavy expense of putting the claim in working order, improvements, etc.

OWENS RIVER.

A correspondent of the Visalia *Delta*, writing under date of July 27th, says that a Boston company has bought out the New York company's mines in Russ District. The same company is also bargaining for the New York ledge, in the same district. A very rich ledge was struck a few days since in the foot-hills of the Sierra, near "Lone Pine." The first assay showed over $600 in silver, per ton. Gold could be seen sticking out on the rock in coarse chunks. Broder struck it in the Palmetto a few days ago, up on the White Mountains. This ledge is large and well defined; the gold is coarse, and in most of the rock, it can be seen with the naked eye.

The mill at San Carlos will commence running on Monday or Tuesday, they are now putting on the finishing touches of paint. The new saw mill, at Bishop's Creek, will be ready to run next week. The saw mill at Big Pine is turning out a fine quality of lumber, and finds a very good market.

CALIFORNIA.

Sierra.—A nugget of gold and quartz weighing twenty-five pounds, the gold in which amounted to $4,077,38 was recently taken out of the Packer claim, Smith's Flat, says the Mountain *Messenger*.

The "New Strike" recently made on a tributary of the South Fork of the Yuba, near Howard's Ranch, is reported as being more extensive than at first supposed.

Nevada.—The Grass Valley *National* says that the mines on Moore's Flat, are among the most remunerative in Nevada county. At Snow Point, about two miles above Moore's Flat, mining is going on energetically. Three companies—Cower & Blackwell, Price & Fuller, and Cummings—are now working with excellent prospects. Several other companies will have their claims opened before another year, and Snow Point promises soon to tell a cheering golden tale.

Calaveras.—The Calaveras *Chronicle*, says that quite a mining town is being built up at Blue Mountain, although but little work is being done upon the mines. This is in consequence of the general stagnation in business and the scarcity of money growing therefrom. The *Chronicle* adds that "aside from its mineral resources Blue Mountain has advantages which will recommend it to those who wish to settle down in the vicinity to steady employment. Its climate cannot be excelled anywhere, while wood and water are there in abundance. Silver can be extracted from the ores at Blue Mountain at one half the expense attending the operation in the adjoining Territory. We do not expect that much will be done there this year, but another season we do believe its wealth will attract thousands who have this Summer been deluded to migrate to far distant and unhealthy localities."

New Quartz Mill.—The '76 Company (Messrs. Nave, Byers & Co.,) says the Quincy *Union*, is building a large quartz mill on Jamison Creek, to crush the rock of the '76 quartz ledge.

Brown's Valley.—The Marysville *Appeal*, was shown, on Monday last, $160 in coarse gold and retorted amalgam, the result of five tons of rock crushed in the Donneboge mill last week, from the Rare Ripe Ledge, near Brown's Valley. Little over one half of this amount is coarse gold, which was taken from the battery. The company have one hundred tons of such rock on the surface, ready for hauling to the mill. It was from a depth of about one hundred feet.

Markleeville, Alpine County.—The Alpine *Chronicle* says the citizens of Summit City have organized a company for the purpose of erecting a quartz mill at Markleeville. About $3,000 has already been subscribed, and a committee appointed to make all necessary arrangements in furtherance of the object. It is the intention of the company to erect an eight stamp mill. If we rightly understand the *Chronicle*, the ladies of Markleeville, will give a ball in aid of the enterprise, on Tuesday evening next. If the ladies take the matter in hand it will surely succeed.

Silver Era.—This company have struck their ledge in their upper tunnel, which is in a distance of 30 feet, and are taking out very good rock, about one ton of which the company intend sending to San Francisco to be tested. Their lower tunnel has been run in about 260 feet, and they are in daily expectation of striking the ledge.

Boulder Hill.—Woods, Marston & Dudley have just finished crushing with their arastra about twelve tons of Boulder Hill rock, from which they have obtained nine pounds of amalgam, worth about $800. They have run their arastra with a wooden shaft which has annoyed them very much by breaking, and to prevent a recurrence they have sent to San Francisco for an iron one.

Buckeye.—Silver has been roasted from rock taken from this claim. It is thought that this will be one of the best claims in the Mokelumne District.

The Iowa has commenced work with promising croppings and flattering prospects. On the Rosalinda, a shaft, has been sunk 80 feet, at which point rich quartz has been struck. The Black Hawk are working with two shafts and meeting with very favorable prospects.

Have Struck It.—The Dayton, N. T., *Sentinel* is informed that the labors of the Newcastle Coal Company, have at last been crowned with success. At a depth of some eighty or ninety feet, they struck an extensive vein of most excellent coal. This claim is situated in El Dorado Cañon, seven or eight miles east of Dayton.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delin uent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T. DAY FOR ADV'G—SALE.

Augusta, Augusta, R. R , 2 ass'ts 12½c each..July 30—Aug 31*
Animas, Durango, Mex., $1.....Aug 13—Aug 27*
Arizona, Cons., Eureka, 20c.....July 30—Aug 13*
Amador Cons., Lander co., $1.....Adv July 27—Sale Aug 8*
Asphwall, Reese River, 50c.....Adv July 15—Sale Aug 13*
Agawam, Nye County, $1.....Adv July 23—Sale August 10
Alemania, San Antonio, $2.50.....Adv July 23—Sale Aug 4
Armagoza, San Bernardino co., $1..Adv July 18—Sale Aug 5
Alpine, Amador Dist. 25c.....Aug 9—Aug 20
Archer Cons., Summit Lake, $1.....Aug 8—Aug 23
Apolla, R. R.....Sale Aug 11
Argentoro, R. R.....Annual Meeting Aug 11
Adriatic, Flowery, $1.....Aug 20—Sep 3
Adelaide Cons.....Annual Meeting Aug 10
Ashland, Arizona, $1.....Aug 14—Aug 29
Amagorza, Salt Spring, $2.....July 28—Aug 16
Amagorza.....Annual Meeting Aug 25
Adelaide Cons., 50c.....Aug 22—Sep 5
Alameda Coal, $1.....Sep 8—Sep 24

Brooklyn, Reese River, 50c....Adv. July 2—Sale July 16*
Black Ledge, Reese River, $2.....Aug 19—Aug 31
Baja California, San Antonio, 30c.. Adv July 29—Sale Aug 9
Big Blue Lead, Coso.....Special Meeting, Aug 23
Bella Vista, Lower Cal. $1.....July 25—Aug 11
Big Blue Lead, Tulare co.. $1.....July 28—Aug 10
Buckeye & Old Hickory Cons. S. Catal., 50c...Aug 5—Aug 25
Barreteros, Mex., $5.....Aug 15—Aug 27
Bullion, Virginia.....Sale Aug 10
Bamboo Chief, Silver Mountain.....Sale Aug 8
Black Rock Ledge, R. R., $1.....Aug 18—Sep 5
Burning Moscow, $5.....July 19—Aug 15
Blanding, Devil's Gate. $2.....Aug 26—Sep 10
Boyee & Reynolds, Gold Hill, $2.....Aug 8—Aug 17
Boston Copper, El Dorado co., 50c.....Aug 11—Aug 23
Belcher, Baldwin & Abernethie, Div'd $8,..Payable July 10
Ballic, $6.....Levied July 23
Buckeye, Davil's Gate, $1½.....July 9—Aug 11

Clinton, R. R., 50c.....Aug 6—Aug 26*
Charter Oak, Santa Catalina, 10c.....Aug 11—Aug 27*
Chandler, Palmyra.....July 16—Aug 3*
Copp, Humboldt, $1.....Adv July 16—Sale Aug 9*
Comstock, San Antonio, $4.....Aug 22—Sep 3
Cole, Virginia, $1.....Adv July 18—Sale Aug 13
Capital, R. R. 50 cents.....Adv July 16—Sale July 30
Chicago & Detroit, Amador co 75c. Adv July 22—Sale Aug 13
Caledonia, Gold Hill, $1.....Aug 2—Aug 17
Cortez, Lander co., $2½.....July 29—Aug 13
Cinco Senores.....Special Meeting, Aug 11
Cosmopolitan, Gopher, 50c.....July 29—Aug 11
Columbia, Tuolumne co., $2.....July 30—Aug 15
Chase & Cornwall, Amador Dist. 25c.. .....Aug 9—Aug 20
Central American, Gold Hill, $1.....Aug 2—Aug 22
California, La Paz. 75c.....Aug 8—Aug 22
Cassell, Indian Springs District, $1.....Aug 2—Aug 17
Caledonia T. & M., Gold Hill, $1.50.....Aug 12—Aug 24
Cossette, Arizona, $1.....Aug 13—Aug 27
California, Virginia, $12.50.....Aug 12—Aug 25
Cedar Hill T. & M., Virginia, 50c.....Aug 24—Sep 12
Crawn Lead, Mariposa, $1.....Aug 18—Aug 30
Calaveras Iron Mt. Copper, 50c.....Aug 19—Sep 3
Consolacion, Sinaloa, $5.....July 25—Aug 10
Cosala, Sinaloa, $1.50.....Aug 12—Aug 24
Correl Viejo, Sonora, $7.50.....Aug 15—Aug 29
Chipionena, Mex., $5.....Aug 1—Aug 13
Coral Hill, Lander co., 25c.....Aug 26—Sep 12
Chihuahua & Western Summit, Esmeralda.....Sale Aug 22
Chihuahua & Western Summit.....Annual Meeting Aug 15
Chrysopolis, Virginia, $1.....Sep 5—Sep 20
Camargo, R. R., $1.....Sep 1—Sep 17
Catalina Cons., San Pedro, 20c.....Sep 6—Sep 17
Crown Point Ravine, Gold Hill, $1.....Aug 30—Sep 14

Diamond, Santa Catalina, 10c.....Aug 11—Aug 27*
Dane, Esmeralda, $1.....Aug 8—Aug 20*
Daniel Webster, 20c.....Aug 8—Aug 27*
Diana, R. R., $2.....Aug 20—Sep 1
Daeota, R. R., $1.....Adv July 22—Sale Aug 6
Duhuque, Galena, $1.....July 14—Aug 20
De Soto, Star, $2.50.....Aug 27—Sep 12
Daniel Webster, Devil's Gate, $10.....Aug 24—Sep 7

Eagle Quartz, Amador co., $2 .....Sep 1—Sep 17*
Enterprise Copper, Placer co.....July 9—Aug 9*
Enterprise Copper, Placer co.....Removal of office Aug 15*
Eureka M. & M. Co., Lander county, $3.15...Aug 13—Aug 27*
El Toro, Mex., $2.....Sep 3—Sep 13
Eclipse, Sierra 50c.....July 30—Aug 13
El Taste, Mex., $3.....Aug 8—Aug 18
El Tesoro, Lower Cal., $2.....Aug 8—Aug 23
Eureka, Coal, Alameda co., $1.....Aug 15—Aug 29
Emilia, Guerrero, Mex., 25c.....Aug 2—Aug 20
El Dorado, Virginia, $2.....Aug 15—Aug 31
Ethan Allen, Lander co., $3.....July 29—Aug 15
Empire State, Contra Costa, ...Assessment 10c
Eureka & Elizabeth Cons., Calaveras co., 10c..Aug 18—Sep 1
El Tigre, Durango.....Sale Aug 13
Eureka Coal, Alameda co.....Annual Meeting Aug 29
Eyla, Summh, 50 c.....Aug 25—Sep 8
El Alamo de San Antonio, Lower Cal., 50c....Sep 1—Sep 15

Fortuna, R. R., $1.....Aug 6—Aug 29*
Fairview, Copper, Calaveras co., 40c.....Sep 10—Sep 26*
Forest Queen, Amador Co., 50c..Adv July 16—Sale August 1*
Franco Americaua, San Antonia, $10.....Sep 2—Sep 13
Figaro, San Antonio, 25c.....Aug 27—Sep 8
Florida, Lander Co., $5.....Sep 6—Sep 20

Good Hope, Alpine, 75c.....Aug 24—Sep 10*
Great Western, Keyes, Mono co., $1.....Aug 27—Sep 14*
Good Return, Cons., Tulare, $1.....Aug 24—Sep 10*
Great Western T. & M. Co., Aurora, 25c....July 30—Aug 17*
Great Western T. & M. Co., Aurora.....Meeting Aug 6*
Goborunadora, Lower Cal., $1.....Sep 3—Sep 17*
Guadalupe del Aguajito, 50c.....Aug 20—Sep 1
Gold Canon, Gold Hill.....Sale Aug 10
Orattan, 20c.....Aug 1—Aug 13
Gold Hill Tunnelling, Gold Hill, $1.....Aug 13—Aug 26
Gov. Seymour, R. R. $ .....Aug 10—Aug 23
Grosh Cons., Storey co., 20c.....July 16—Aug 13

Those marked with an asterisk (*) are advertised in this journal.

Great Cons. Reise, Idaho, $1.25.....Aug 23—Sep 10
Great Central, Weaver, 25c.....July 23—Aug 10
Golden Rule, Tuolumne, 50c.....Aug 25—Sep 14
Guadeloupe de los Angeles, $1.50.....Aug 23—Sep 2
Great Central, Smoky Valley, 50c.....Aug 29—Sep 10

Honest Miner No. 2, R. B , 62½c.....Sep 5—Sep 17*
Holcombe, R. R., Lander co., $1.....Aug 6—Sep 5*
Heidelberg, Marin co., 10c.....Aug 20—Sep 5*
Henry & Barnard, Wenver, 10c.....Aug 20—Sep 5*
Hale & Norcross, $25.....Aug 22—Sep 7
Hornitos, Hornitos, $1.....Aug 24—Sep 6
Hallcck, Alpina ca., 30c.....Aug 2—Aug 22
Hawley, Devil's Gate, $7.50.....Aug 1—Aug 20
Harmon, El Dorado co., $5.....Aug 9—Aug 27
Humboldt Canal, $3.....July 23—Aug 10
Henry Clay, Lander co., 50c.....Sale Aug 16
Heckendorn, Calaveras.....Annual Meeting Aug 6
Hornitos.....Annual Meeting Aug 10
Hornitos, Mariposa, 75c.....Aug 24—Sep 6

Illinois, El Dorada Canon, A. T.....July 30—Aug 29*
Illinois, Smoky Valley 50c.....Aug 13—Sep 2*
Imperial, Arizona 50c.....Sale Aug 12*
Independent, R. R., $1..Adv. June 21—Sale July 9, Gold Hill
Iowa, Virginia, $6.....Aug 19—Sep 5
I X L.....Special Meeting Aug 17

J C Fremont, Sil. Mt. 4 ass'ts at 25c....Adv Aug 1—Sale Sept 1
Josephine Copper, Calaveras Co., $2.....July 30—Aug 13
Joe Lane, R. R., 50c.....Aug 11—Aug 24
Josepine, Coso, 50c.....Aug 31—Sep 12

Kate Lamar, R. R., 50c.....Aug 27—Sep 16*
Kelsey, Eldorado co., 10c.....July 27—Aug 27*
Keokuk, Contra Costa, 15c.....Aug 27—Sep 10*
Kate Lamar, R. R.....July 2—Aug 6*
Keutneky, Mme. Felix, 50c.....July 30—Aug 16
Kohler Bros., San Antonio, Mex., $1.....Aug 16—Aug 27
Keokuk, Clayton.....Special Meeting Aug 10

La Libertad, Cacachillas, L. C., $1.....Sep 3—Sep 17*
Libertad, Mex., $5.....Aug 20—Sep 5*
Libertad, Ures, Mex., Caution.....Adv July 23*
Lady of the Lake.....July 23—Aug 35*
Leland, Arizona, 50c.....Sale Aug 26*
La Traviata, Calaveras co, 50c.....Aug 13—Aug 27*
Laurel Hill, $1.....Adv July 17—Sale July 30
Lone Star, Lander co.....July 30—Aug 13
Lochinvar, Gopher, 50c.....Aug 5—Aug 16
Lonisiana, R. R., $1.....Aug 13—Sep 2
Los Angeles, Arizona, $1.50).....Aug 1—Aug 15
Luerno, Gold Hill.....?.....Sale Aug 11
La Palma, San Antonio, Mex., 25c.....Aug 18—Aug 30
Loudon Quartz, Siskiyou co., $1.....Aug 11—Aug 25
Legal Tender, Lander co., $1.....Aug 9—Aug 24
Lady Bryan, Flowery, $3.....Aug 24—Sep 10
La Blanca, Sonora, $2.50.....Aug 22—Sep 5
La Fernandez, Hermosillo, Mexleo.....Aug 25—Sep 9
Latrobe, Virginia 50c.....Sep 1—Sep 15
Lady Bell, Low Divide, 20c.....Sep 1—Sep 14
Lotus, Gopher, 25c.....Aug 31—Sep 17

Mosquito, Calaveras co., $5.....Aug 13—Aug 29*
Mount Zion, Clayton Dist., Contra Costa, $1.Aug 11—Aug 27*
Melones & Stanislaus, C. H, $2.50..Adv. July 30—Sale Aug 13
Mandot, Del Norte, 50c.....Aug 1—Aug 13
Musidora, San Antonio, 50c.....July 30—Aug 13
Mount Washington, Devil's Gate, $2.....Aug 26—Sep 10
Manchester, Monitor, $1.....Aug 16—Aug 31
Mammoth Ledge, Del Norte, $1.....July 29—Aug 10
Mina San Felipe, San Antonio, 50c.....Aug 6—Aug 17
Michigan, O H, $10. Adv July 9—Sale at Gold Hill August 10
Mina Rica de Las Flores, Calaveras county .....Sale Aug 10
Morning Star, Alpine Co., 75c.....July 30—Aug 11
Mineral Hill, Mono co., 50c.....Aug 7—Aug 20
Marathon, Mono co., 50c.....Aug 3—Aug 17
Metropolitan, Silver Mountain, 20c.....Aug 13—Aug 21
Monster Cons., Santa Catalina, 50c .....Aug 8—Aug 20
Manzanilla, Sinaloa, 25c.....Aug 20—Sep 3
Mechanics, Clayton.....Annual Meeting Aug 10
Mineral Hill, Mono co.....Annual Meeting Sep 1

North Star, Santa Catalina, 10c.....Aug 11—Aug 27*
North Star, R. R., $2.....Aug 20—Sep 2
Nevada Copper, Nevada co., 50c.....Aug 13—Aug 25
Nuestra Senora de Guada', Mex. $1.....Aug 20—Sep 5
Nelson, Inyo.....Sale Aug 17
New England Cons., Santa Catalina, Annual Meeting Aug 22
New York Quartz, El Dorado co., $1.25.....Aug 20—Sep 2
New Era, Tuolumne co., 50c .....July 30—Aug 15
New Year Diggings, Tuolumne $1.50.....Sep 2—Sep 14

Ossipee, Eldorado co., 5c.....Aug 27—Sep 13*
Oxford Beta, Esmeralda, 50 cents.....Aug 13—Aug 31*
Overman, Gold Hill, $30.....Levied June 7—Sale Aug 10
Open Sesame, Clayton District, $1.....Aug 12—Aug 27
Occidental, Los Angeles co., 30c.....Aug 6—Aug 20
Occidental Copper, Del Norte, 40c.....Aug 1—Aug 25
Overman.....Sale Aug 10, Gold Hill
Occidental Copper, Soledad.....Annual Meeting Aug 24
Oak Flat Quartz, Sierra co ,20c.....Aug 30—Sep 13
Ontario, R. R.....Annual Meeting Aug 17
Ontario, R. R., $6.....Aug 31—Sep 14
Owens River, Inyo, $3.....Sep 3—Sep 14

Palmyra cons.....Annual Meeting Aug 22*
Porter, Virginia, N. T., $5.....Aug 27—Sep 10*
Palma, Sonora, Mex., $1.....Aug 27—Sep 19*
Pena Silver, Lower California, $3.....Aug 20—Sep 3*
Point Arena Petroleum .....Meeting Aug 9*
Prince Imperial, Calaveras co.....July 30—Aug 17
Peninsular, San Antonio, 50c.....July 30—Aug 13
Paris, Gold Hill, 50c.. .....Aug 13 Aug 27
Patrocina & Dolores, Mex., $2.....Aug 13—Aug 24
Planet, Arizona, 50c.....Aug 25—Sep 7
Peninsula, San Antonio, $10.....Aug 25—Sep 9
Plumbago, Sierra, $1.....Sep 3—Sep 17

Queen of Antilles Cons., R. R., 5c.....July 30—Sep 2*
Quartz Mountain, 40c.....July 30—Aug 19*
Quartz Hill, El Dorado co., 40c....Adv July 23—Sale Aug 10*

Rose Matilda, Santa Catalina, 10c.....Aug 11—Aug 27*
Real del Monte, Esmeralda.....Sale Aug 22
Royal Eagle & Cliff, Gold Hill, $1.....July 27—Aug 13
Rancheria, San Antonio, $1.....Aug 18—Aug 31
Rosario and Carmen, $1.....Aug 23—Sep 2
Roach, Mono co.....Annual Meeting Sep 1

Simpson & Bosselle, Carson Valley, 30c.....Aug 6—Aug 17*
Sierra Nevada G. Q., Sierra co., 50c.....Sep 3—Sep 17*
Sisters, Augusta, R. R., 2 ass'ts 15c each....July 30—Aug 31*
Standard, Amador, R. R.....Sale Aug 22*
Silver Age, Lander co., $1½.....July 30—Aug 10*
Sumner, $5 .....Adv July 22—Sale Aug 11
St. Nicholas, Lander co., $1..... .....July 26—Aug 10
San Marcial, Sonora Mex.....July 26—Aug 15
Sixty Ninth, Sierra co., 3c.....Levied June 25
Sierra, Ormsby co., $2.....July 27—Aug 15
Soledad, Los Angeles co, 25c.....Aug 9—Aug 23
San Francisco, Gold Hill, $5..... .....Aug 2—Aug 16

San Francisco Stock & Exchange Board and Pacific Board of Brokers.

WEEKLY REPORT OF PRICES BID AND ASKED.*

			Saturday.		Monday.		Tuesday.		Wednesday.		Thursday.		Friday.	
WASHOE STOCKS.	PAR	SHARES	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.
Ophir	1,400	10,800	500	435	600	575	590	540	565	500	545	—	—	550	600
Gould & Curry	1,200	4,800	500	1,025	1,100	1,080	1,100	1,095	1,125	1,100	1,110	—	—	1,000	1,040
				1,010	1,100	1,075	1,125	—	—	1,058	1,100	—	—	1,000	1,030
Savage	800	800	2,000	800	825	850	1, 00	900	1,000	900	1,000	—	—	900	1,000
Chollar	1,400	5,600	800	295	305	300	325	300	310	300	315	—	—	290	320
					300										
Potosi	1,400	2,800	500	800	1,000	910	1,000	900	950	880	900	—	—	880	980
Hale & Norcross	400	800	500	—	—	—	—	200	—	300	—	—	—	—	—
								300	1,000			—	—	—	—
Sierra Nevada	3,000	3,000	500	—	—	7½	25	10	25	15	40	—	—	225	600
														15	—
Daney	2,000	800	60	20	—	20	25	20	20	20	—	—	—	20	25
Burning Moscow	4,100	4,100	500	11	12	12	13	14	15	15	—	—	—	15	18
								13½	—	13½	—	—	—	14½	15½
North Potosi	2,000	2,000	250	25	40	35	45	43	55	44	55	—	—	45	50
North American	4,100	4,100	300	—	—	—	—	45	60	40	—	—	—	—	—
								37½	30	—	—	—	—	—	—
Lady Bryan, F D	5,000	5,000	100	—	—	—	—	—	—	—	—	—	—	—	—
Buckeye, D G	3,000	2,500	100	4¾	5	6¼	7	6¼	7¼	5¾	6¾	—	—	4¾	5
Balt. American	2,600	2 600	500	1¾	2½	2	2½	2	2	2¼	3	—	—	2¼	3
				5	27½	—	—	—	—	25	—	—	—	—	—
Uncle Sam	1,200	1,200	200	100	—	100	—	125	200	110	—	—	—	140	250
								—	—	40	—	—	—	—	—
El Dorado	1,600	1,600	500	½	¾	1½	2	—	—	1¾	—	—	—	1¾	2¼
Burnside	2,800	2,800	500	—	—	—	—	—	—	—	—	—	—	—	—
Adriatic	2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—	—
Pride of West	1,400	1,400	100	—	—	—	2	½	2	¾	—	—	—	—	—
Imperial	184	4,000	500	135	139½	135	142½	135	141	136	140	—	—	—	—
Crown Point	600	1,200	100	—	—	—	—	—	—	—	—	—	—	—	—
Seneca	—	—	—	—	—	—	—	6¾	—	—	—	—	—	—	—
Caledonia Tun'l	—	—	—	—	1½	—	5	—	—	—	1	—	—	—	1
Bajazet & O Era	4,000	4,000	300	—	—	3	20	—	—	—	—	—	—	—	20
ESMERALDA.															
Wide West	1,400	1,400	2,600	21	22½	16½	17½	13	14	11	12	—	—	13	14
				20	21	—	20	10	15	8	—	—	—	—	—
Antelope	1,200	1,200	500	—	40	—	40	15	30	—	—	—	—	16	60
Esmeralda	1,600	1,600	1,000	2	3	1	5	1	5	—	5	—	—	—	—
Real del Monto	4,400	4,400	400	10	15	20	21	17½	20	15	15½	—	—	12	19
				11	14	19	30	16	17½	13½	17½	—	—	13	17
Utah	1,600	1,600	250	15	20	—	25	12	25	10	—	—	—	10	—
Goldn Age & Em	2,600	2,600	250	—	—	—	—	—	—	—	—	—	—	—	—
				5½	—	8½	9	9	9½	8	—	—	—	10	12
COSO.															
Josephine	9,600	4,800	2,500	—	4	—	4	—	4	—	4	—	—	—	4
Coso	2,600	3,600	600	—	—	—	2	—	—	—	1½	—	—	—	1¼
COPPER.															
Napoleon	2,700	2,700	600	—	60	—	50	—	65	—	65	—	—	—	65
				—	65	—	—	—	70	—	—	—	—	—	—
Live Oak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CALIFORNIA.															
Blue Ledge	1,000	1,000	1,200	—	50	46	50	45	50	—	50	—	—	—	—
				2	2½	2¼	2¾	2	2¾	2¼	2¾	—	—	2¼	3

*—The first line of figures opposite the name of each Company represents the Stock Exchange, and the following line the Paeific Board.

San Marcial, Sinaloa.....Sale Aug 6
Salvatierra, Catalina Island, 50c.....Aug 8—Aug 22
Segregated Crown Point, Gold Hill, $26. .....Aug 9—Aug 22
Scott Mining and Exploring, Humboldt, 75c..July 31—Aug 15
Sharon, Gold Hill, $1.....Aug 3—Aug 15
Superior, Plumas co., 50c.....July 30—Aug 13
Scottish Chief, Humboldt co., $1.....Aug 9—Aug 24
Salambo, Tuolumne co., 50c.....Aug 16—Sep 3
Santa Rosa de Ures, Mex., 50c.....Aug 15—Aug 27
Starlight, Humboldt co., 50c .....Aug 10—Aug 30
Starlight, Humboldt.....Annual Meeting Aug 8
Sigel, Humboldt, $1.....July 23—Aug 8
Siempre Viva, Sinaloa, $2.50.....Aug 20—Sep 3
Santa Teresa de Jesus, Cueurpe, Mex., 50,.....Aug 20—Sep 5
Sides, Virginia.....Sale Aug 12
Santa Fe, Virginia.....Sale Aug 6
Sailor, Calaveras co., 20c.....July 30—Aug 13
Sierra, Douglas co., $2.....Aug 1—Aug 15
San Francisco, Gold Hill, 40c.....Aug 18—Aug 31
Santa Anna, San Antonio, Mex., 10c.....Aug 19—Aug 31
Star of Hope, Alpine co, 35c.....Aug 19—Sep 5
Santa Cruz, San Antonio, $2.50.....Aug 22—Sep 2
San Antonio, Chiquito, Mex.....Sale Aug 31
San Lorenzo, Santa Cruz, 50c.....Aug 22—Sep 7
Sierra Consolidated.....Annual Meeting Aug 8
Seneca, Virginia, $5.....Sep 2—Sep 16
Silver Cloud, Alpine co., 50c.....Aug 28—Sep 8
San Carlos Exploring & Mining, $4.....Aug 31—Sep 12
Sweet Vengeance, Yuba co., $1.....Sep 6—Sep 20

Teutonia, San Miguel, 25c.....Aug 6—Aug 20*
Tellurium, Pine Grove dis., Amador co., $1..Aug 13—Aug 27*
Tallulah, Sierra, $15.....June 17—Aug 9
Tecorlpa.....Sale Aug 8
Tennessee, Coso.....Annual Meeting July 25
Taurus, Lander County.....Annual Meeting Aug 2
Toledana.....Annual Meeting Aug 10
Texas, R. R. 50c.....Aug 13—Sep 2
Teeumseh, Gopher, $3.....Aug 22—Sep 6
Tesoro, Lower California, $1.....Aug 18—Aug 31
Tennessee, Echo, 50c.....Aug 13—Aug 30
Tecoripa, Hermosillo.....Annual Meeting Aug 4
Toledona, Mariposa, 25c.....Aug 23—Sep 9
Teutonia, Mount Diablo.....Special Meeting Aug 23
Tranquillon, Fresno.....Annual Meeting Aug 15
Tecumseh.....Adjourned Meeting Aug 18
Tulare, Inyo, 40c.....Aug 31—Sep 14
Tornado, 30c.....Sep 3—Sep 15
Triunfo, San Antonio, $1.....Aug 31—Sep 14

Union, Copper No. 2.....Special Meeting Aug 18
Union, Sierra co.....Annual Meeting Aug 8
United States, Lander co, 5c.....July 23—Aug 8
Union, Sierra co., Dividend.....Payable July 15
Vulcan, Lander co.....Annual Meeting Aug 2
Veatch, Clifton.....Sale Aug 22
Well Partridge, Weaver, A. T., 12½c.....July 30—Aug 27*
Wide West Cop., Calaveras co., 20c.....Aug 13—Aug 27*
Wellington, Santa Catalina, 25c.....Aug 17—Aug 31*
Warfield, Placer co., 15c.....Aug 5—Aug 22*
Whitman, Indian Springs, $7½.....Adv July 21—Sale Aug 11
White & Murphy, Virginia.....Adv July 22—Sale Aug 9
Williams, Silver Mountain, 25c. 20c & 25c..... Aug 1— Sept 1
Wm. Penn Cons.....Annual Meeting Aug 18
Washington, Lander co., 50c.....Sep 1—Sep 15
Yankee Blade, R. R., $2.....Adv July 25—Sale Aug 10
Young Harmon, El Dorado co., 25c.....Aug 8—Aug 23
Yellow Jacket, $30 per foot.....Levied July 21
420, Virginia, $6.25.....Aug 22—Sep 6

THE wild men of Oronsko said to a priest: "Thou keepest thy God in a church, as if he was sick and needed care. Our God is on the mountain top, directing the storm, and guarding us in the still watches of the night."

Sales of Mining Shares

For the week previous to Saturday, Aug. 5.

By the San Francisco Stock and Exchange Board, and Pacific Board of Brokers.

NAMES OF COMPANIES.	SHS. SOLD.	HIGHEST.	LOWEST.	CLOSING.
Burning Moscow	75	22½	12	21½
Blue Ledge	150	2½	2¼	2½
Baltic	10	10	10	10
Buckeye	30	2¾	2¼	2¼
Chollar	48	330	300	330
Crockett	57	2½	2¼	2½
El Dorado	25	1½	75c	1½
Esmeralda	100	4	3	3
Florida, R. R	50	5	5	5
Gould & Curry	190	1135	860	1040
Golden Age & Empire	145	10	8	10
Green	40	1	1	1
Harmon	90	25c	25c	25c
Imperial	21	141	138	141
Kohler Brothers	20	5	5	5
Lady Bryan	2095	8¾	4	4
Melones	155	30	12	29
Milton	5	11	11	11
North Potosi	20	45	45	45
Ophir	132	600	530	555
Potosi	12	950	890	950
Real del Monte	60	21	15	15
Refugio, Mex	15	10	10	10
Sacramento	28	8	8	8
Savage	1	750	750	750
Silver Hill	10	5	5	5
Utah	8	15	15	15
Uncle Sam	2½	200	200	200
Wide West	259	23	11	13
Yellow Jacket	1	425	425	425

Gold in New York.

Friday, July 29.....253.
Saturday, July 30.....255.
Monday, Aug. 1.....257
Tuesday, Aug. 2.....257@259.
Wednesday, Aug. 3.....256½.

Legal Tender Notes.

San Francisco, Friday, Aug. 5.....40 per cent.

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the Journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also — EDS. PRESS.]

SALT AS A PRESERVATIVE FOR TIMBER.—J. B. Simmons, of Brush Valley, Indiana, thus writes to the *Scientific American*:—"I have used common salt for the preservation of mill-shafts, and it has had a good effect in staying the decayed timber. Take a two inch auger, bore holes into the stick of timber, and fill up with salt, and then plug up the holes tight. In a large stick of timber, like a water-wheel shaft, bore a hole through the centre, like a pump, and fill up with salt, and plug up; and there is no telling how long this may last, as it has been tried with us, and has answered very well."

THOUGHTS.—Unspoken thoughts are virgins. They must be wedded to words ere they can attain perfect existence; and once united, they live and bear fruit forever. No decree can divorce them.

Mechanical and Patent Department.

Important Improvement In Photographing.

Mr. Jacob Shew, of this city, has discovered a new and most important improvement in the photographic art, the advantages of which consist in the production of a softness, clearness and delicacy of tone in the pictures, unattainable by any process hitherto employed. It is applicable to any size of photograph, and can be employed with equal success in printing old negatives—as with those recently taken.

The discovery consists simply in the employment of ground glass, instead of plain glass, as the medium through which the light is made to pass in producing the transfer from the negative. It is well known that the advantage of the chromatic process of photographic printing is much greater with some kinds of negatives than with others. The prints from all faint negatives lacking intensity, will be much improved by this process and any photographer knowing the difficulty of at all times obtaining the proper degree of intensity, will at once appreciate the advantage of a printing process which corrects any such lack of perfection in their negatives. Again the spots often seen on photographic prints, caused by specks of dust lighting on the glass of the frame while printing, are avoided by the effects of the diffused light falling through the ground glass used in the new process.

But the greatest advantage of all is in the softness and mellowness of the tone of the prints, giving them something of the finish and appearance of finely retouched pictures without losing any of the detail or expression sometimes lost in retouching. A patent for this improvement has been applied for through the Patent Agency connected with this office.

A New Turbine.—Our attention has been called to a turbine water wheel of quite a new and ingenious construction, invented by Mr. James Leffel, of Springfield, Ohio, and patented in 1862. This wheel is known as the "Leffel's American Double Turbine Water Wheel." *Turbine* is a general name given to water wheels which revolve on a perpendicular shaft. These wheels are quite various in character and mode of construction, and are built double and single, that is with a single and double discharge. The general range of the power of these wheels varies from 50 to 75 per cent. of the actual weight of the water used. The Leffel wheel, it is claimed, is constructed on purely scientific principles, and when properly put together is capable of taking off the largest possible amount of power which any given weight of water can impart.

One of the wheels may be seen at the International Hotel, in this city, the first which has ever been brought to this coast, where its principles and capabilities will be explained by Mr. Myers, the agent of the inventor. These wheels have been subjected to numerous trials with other wheels of various construction in the Atlantic States, and, it is claimed, with universal success. We have seen numerous testimonials as to their efficiency, and the wheel certainly appears to possess merit in an extraordinary degree, in various ways. It will be on exhibition at the Industrial Fair.

Rapid Vibration—The reed in a melodeon which gives the tone C, as it is called, vibrates 112 times in a second, and travels 430 feet in a minute. The manufacture of this little instrument is one of the most delicate operations in mechanics. A slight blow upon it would so alter the particles or texture of the metal of which the reed is made, as to impair the delicacy of the sound which it gives, and the slightest scratch will produce a similiar effect. Hence too great care can scarcely be employed in handling these delicate portions of the instrument.

A Chinese Invention.—The idea of building ships in water tight compartments was borrowed from the Chinese, who have long practiced that method of constructing their watercraft.

Improved Bomb Shell.—Mr. William Berney, an ingenious mechanic of this city, has invented an improvement relating to the explosion of bomb-shells, which it is thought may be of important advantage in using these weapons against an enemy. The invention consists in an ingenious device for bursting the shell, either at the instant of impact, or at any desired instant afterwards. The experiments are not yet fully perfected, but enough has been done to render its success almost a certainty. Mr. B, is a brother of the gentlemen who invented the Greek Fire, which produced such a sensation in Charleston, when it was lately introduced into that city by Gen. Gilmore. He was led to experiment in this direction from learning the failure of so many shells to burst during the bombardment of that city. We believe that no device has yet been employed which will burst a shell from impact except in the use of elongated ones, which sometimes are not desirable to employ. By the use of this invention round shells as well as elongated may be discharged with equal facility and certainty of precision. We shall have more to say upon this matter when the working of the principle shall have been more fully verified by future experiments.

California Patents.—Among the improvements for which patents were issued from the U. S. Patent Office for the week ending June 21st., we notice that Mr. Zenas Wheeler of this city has received a patent for his improved dry quartz crushing machine. By this invention the quartz after being reduced to an impalpable powder is taken from the battery and carried to a deposit chamber, by means of a current of air which is made to act as a suction draft from the former to the latter. This current is kept up by means of a common blower. The invention also covers an improved method of securing the dies in the bed of the mortar, also an improvement in the construction of the frame of the mortar, whereby it is rendered more desirable and better able to withstand the jar and concussion of the stamps. We have already in a previous number given a lengthy description of this invention.

Boiler Scraper—A New Invention.—H. D. Cooper, of New York city, has invented an apparatus which he calls "Cooper's Boiler Scraper." It consists simply of a shaft set lengthwise across the inside, and near the lower portion of the boiler. Attached to this shaft are a number of arms or scrapers. One end of the shaft is continued through the boiler head, by a steam tight box, and to it a crank is attached by which it may be turned. The scrapers are so set that when the shaft is turned they remove from the bottom of the boiler, or disturb any sediment that may have settled there. By turning this shaft two or three times round, once in three or four hours, any sediment that may have settled in the bottom of the boiler is disturbed or loosened and again mixed with the water. By this disturbance the formation of scale is in a measure prevented or at least retarded. Stirring up the water in this manner also facilitates the more perfect discharge of sediment in "blowing out." It is claimed that this arrangement is a very useful one. It was patented in May last.

Trifling but Useful.—Among the new patents recently issued at Washington, is a little machine designed for performing what would at first be thought a trifling work—cutting off the ends of lead pencils. The final operation in the manufacture of this useful instrument, is the cutting off, smoothly, the ends. This operation, simple as it appears, is nevertheless a very difficult one to accomplish, because it must be done after the pencils are varnished, and in such a manner as not to mar the varnish, or splinter the wood or lead. It has heretofore been accomplished altogether by hand. By the use of this machine the work is done automatically, requiring no other hand labor than feeding, which can be performed by a child. This is another instance of the value of trifling inventions, as elsewhere alluded to.

Great and Small Inventions.—The apparent insignificance of an invention is no measure of its value. Inventions in the meanest of household arts, such as improvements in washing and wringing machines, have not only contributed most materially to domestic comfort, but have given rise to single manufacturing establishments employing over half a million of dollars of capital. Improvements in articles so trivial as hooks and eyes, and pins for infants clothings, have been the foundation of patents which have produced tens of thousands of dollars.

The application of a pencil mark in submarine blasting, and the explosion of military mines by the electric current, enables the operator to dispense with cumbersome and costly batteries and machinery formerly indespensable. A spring for holding to the reflector and chimney upon a coal oil lamp, consisting simply of a bent strip of brass, has gone into universal use, and a tariff of merely a few mills upon each lamp to which the invention is applied has yielded several hundred thousand dollars to the inventor. The more minutely the arts are studied, the more will the conviction be forced upon the mind that, as the distinction between great and small appears to be unrecognized by Providence, the distinction between important and trivial, and useful and worthless should never be applied to any original work of human ingenuity.

This is the doctrine of Sir David Brewster, who believed that "patents should be granted for every new idea, whatever that idea might be; that every encouragement should be given to persons to bring forward such ideas; and that instead of throwing difficulties in their way, even when the ideas appear to be frivolous, every facility should be given for their development, because they contain the germ of future inventions. They may contain ideas which will suggest others more useful and practical; and what is a simple and amusing experiment in one age may become a great invention in another."

Lamb's Fire Damper Regulator.—Mr. Philip Lamb, of this city, has secured letters patent for his improved fire damper regulator. This regulator consists substantially of a cylinder, a piston and a spring, the cylinder receiving steam at one end from the boiler to act upon the piston which is arranged within it, the piston being connected by a crank with the damper and the spring being applied within the cylinder to act upon the piston in opposition to the pressure of the steam which tends to move it in a direction to close the damper.

Mining Machinery for Colorado.—Mr. Bovee, forwarding merchant at Atchinson, Missouri, has had one million pounds weight of mining machinery consigned to him for Colorado, to be freighted thither by the 1st of September. The transportation of this amount of freight will require one thousand wagons, and twelve thousand oxen. Other forwarding houses in Atchison, Leavenworth, Nebraska City, St. Joe, and Omaha, are having their full share of consignments for Colorado. A vast business is rapidly springing up between the Western States and Colorado, Salt Lake, and points even still farther west.

Shingles Rendered Fire-Proof.—Mr. John Mears says, in the Boston *Cultivator*, that he has prepared shingles in the following manner, and after an experience of eleven years, and using seven forges in his blacksmiths' shop, he has never seen a shingle on fire, nor has a nail started. The shingles are prepared in the following manner:—"Having a large trough, I put into it a bushel of quick lime, half a bushel of refuse salt and five or six pounds of potash, adding water to slack the lime and dissolve the vegetable alkali and the salt—well knowing that pieces of an old lime pit, a soap barrel, or a pork tub, were not the best kindling stuff, and having long since learned, while at the Vineyard Sound, that hot salt water whitewash would endure far longer than that made with fresh-water, absorbing moisture, striking into the wood and not peeling and washing off. I set the bundles of the shingles nearly to the bands, in the wash for two hours; then turned them end for end. When laid on the roof and walls, they were brushed over twice with the liquid, and were brushed over at intervals of two or three years after."

Barbaires' Feathering Paddle Wheel.—Felix Barbaires, of Solano county, in this State, has obtained a patent for an ingenious device for feathering the paddles of steamboat wheels, by which he hopes to save much power which is now lost in the back or lift water.

The Open Stock Board has given way to the pressure of the times and gone in.

An Ancient Bucket-Engine.—M. Deligny, now engaged in working the copper mines of San Domingos, in the province of Alemtejo, Portugal, has just sent a bucket-wheel, dating from the Roman period, to the Conservatoire des Arts et Metiors, and a paper on the subject to the Academy of Sciences. The above-mentioned mines, where this wheel was found, were worked in the earliest ages by the first nations that peopled the Iberian Peninsula. The chief mines in Portugal were Setubal and Troya; in Spain, the mountains of Tharsis and Zalamea, or Solomon, whither Solomon and Hiram sent their fleets to procure the copper required for the decoration of the Temple. The great importance of these mines is shown by the masses of scoriæ still visible around, and which are estimated at 20,000,000 of tons, accumulated in the course of several ages; the copper extracted thence is calculated at 800,000 tons. These scoriæ also reveal two different systems of treatment of the ore, pertaining one to the Phœnecian, the other to the Roman period, there having been an interruption between the two, caused by the wars between Carthage and Rome, and the conquest of the country by the latter. It would appear that the Romans resumed the working of these mines under Cæsar, coins bearing his effigy and that of Augustus having been found in them; the working was not discontinued until the invasion of the barbarians under Honorius. An inscription preserved in the Mining School at Madrid shows that under Nerva the working of the mines of Thartesis Batica was regularly organized. The Romans worked them very systematically, the waters were drained off through galleries, which in many cases attained a considerable length, as much sometimes as 1400 metres. When these shafts were very deep, an additional shaft for ventilation was sunk close to the main ones; they sometimes were 80 metres in depth. But as the hardness of the rock sometimes prevented the miners from continuing their galleries below the level of the waters, these would accumulate in certain places, and then a bucket-engine was used to pump them out. The one sent to the Conservatoire, and discovered at San Domingos, is 6.66 metres in diameter. The spokes are of fir, the axle and its supports of oak. The buckets, 25 in number, are 16 centimetres in width, by 50 in length and 13 in hight. All the pieces of the wheel are joined without any metallic fittings. The wheel was set in motion by men in the manner a treadmill is worked. The quantity of water thrown out per second was 1.84 hectolitres. This wheel dates from the year 412 of our era, and has, therefore, existed 1452 years. It is certainly the oldest relic of its kind.

Flow of Water Through Pipes.—Mr. Root, of New York, recently read a paper before the Polytechnic Association of the American Institute in which he described an experiment he had tried for the purpose of ascertaining the effect produced on the flow of water through pipes by dividing the pipes with perforated diaphragms. In a three-inch tin pipe he inserted ten diaphragms, at equal distances, with a hole three-fourths of an inch in diameter through the center of each diaphragm. The pipe was perforated on the upper side by a minute hole in each space between the diaphragms, and water was admitted under a head. The jet from the minute opening nearest the end of the pipe where the water was admitted rose to the hight of ten inches, the next jet to the hight of nine inches, the next to the hight of eight inches, the next to seven, the next to six, and so on to the last, where the water rose one inch, and it flowed out of the three-quarter opening at the end of the pipe without any projectile force, falling perpendicularly.

Mr. Dixon explained that the obstruction in the flow of the water was caused by eddies formed between the diaphragms. He described an experiment tried in Jersey City, of making enlargements in a pipe, and it was found that four or five enlargements diminished the flow of the water sixty per cent.

Method of Making Cast Steel.—Mr. Galy Gazalat has communicated to the Academy of Sciences at Paris, that by passing through fused cast iron at 1400° centigrade, numerous capillary jets of superheated steam, he is enabled rapidly and fully to remove the carbon which is taken up by the hydrogen of the decomposed water, and also to burn out, by the oxygen liberated from the water, the silicon, while the sulphur, the arsenic, and even the phosphorus are removed in combination with the hydrogen. Should this prove to be so, we may have an auxiliary to Bessemer's method, at least, and possibly even a substitute for it. We await, however, fuller details and confirmations.

Scientific Conjectures.—Life on the Moon.

Science has never been able to discover any atmosphere surrounding the moon. We know that we cannot imagine life without air. There could be no sound, no heat, no sky, no cloud. We can hardly find anything we call living but owes its life to air; therefore the conjecture has been arrived at, that the moon was uninhabited. But Mr. Hansen, a distinguished astronomer, has found a discrepancy in the idea, and conceives that there may be life there, at least on one side.

Several cases of irregularity in the time of the moon's course he ascribes to the effect of uneven gravitation. He states that the center of figure and the center of gravity are not coincident, one being distant from the other eight miles. Thus her sphere is heavier on one side than the other, like an egg. "Balls have been cast hollow, but with one side thicker than the other; the density being given, calculation describes the curve to a nicety, and *vice versa*." The conclusion of Mr. Hansen is that the hemisphere turned towards us is the lighter half. As air and water would naturally gravitate to the heaviest side, he concludes it is probable that life may exist on the hidden side, and that a world corresponding to our own, may have its "men in the moon."

This is the most tantalizing suggestion that science has given us. To think that our neighbors must perforce keep themselves on the hidden side, and are forbid forever all the investigations of science, seems a little too bad. We have always been calculating on the time when new discoveries in lenses would bring us a glimpse of some wonder in that bride of the night that walks so calmly through her star-encompassed pathway, throwing her beautiful veil even to the shadows of our earth, moving our seas by her love, and sending through the nervous life of us poor mortals some sense of a presence that is "so near and yet so far."

If there are beings on the moon, similarly constituted to ourselves, there must certainly be many inconveniences attendant upon their residence on that planet. For instance it is well known that a "day in the moon" equals fourteen of our days. It begins with a slow sunshine, followed by a brilliant sunshine and intense heat (about 212° Fahrenheit); the sky is intensely black (there being no atmosphere like ours, to which the blue color of the sky is due); the stars are visible, and the horizon is limited; there is dead silence; the cold in the intensely black shadow is very great; and there is no aerial perspective. Thus the moon is no place for man, or any animals or vegetables that we know of. The nights of the moon (the same length as her days) begin with a slow sun set, which is followed by an intense cold (about 243° below zero).

A late writer in the *N. Y. Tribune* discoursing upon the moon says:—

The discoveries of science are becoming more astonishing every day; and in no department are these more interesting than the recent researches of astronomers in lunar geography.

Until quite recently the surface of the moon was supposed to be a vast lifeless desert. Astronomers have abused the moon in every possible manner. They have said there was no heat in moonshine. They have denied her an atmosphere, and consequently water and organic life. They have made us believe that a residence in the moon would be exceedingly undesirable. But Knox and Mellom have shown us, by very exact observations, that there is heat in the moon's rays.

Zantedeschi has discovered that this heat produces a very sensible effect upon the mimosa. An English philosopher has found that the earth is colder during the first quarter of the moon than it is during the second.

Upon the growth of plants the moon exercises a remarkable influence. The chemical action of light is necessary to their principal work, the absorption of carbon from the carbonic acid gas of the atmosphere. This work all plants carry on during the day, and in the night they sleep—except when the moon shines. She wakes them and sets them at work. So the farmers who plant only just before the full of the moon are right, and the scoffers who call them superstitious are themselves the foolish ones. For, if sown before or near new moon, the young plants get above the ground just at the full, when the tender things need sleep; but if sown just before the full, they come up about new moon, pass their babyhood under the soothing influence of dark nights, and when the full moon comes are sturdy urchins, able to work both night and day.

The moon worshippers are right, also, in regard to the influence of the moon upon the weather. Herschel, Arago and Whewell, recognized that the moon had some slight power in dispersing clouds. The sailors go further, and say the moon eats up the clouds. At the last meeting of the British Association, it was shown that the weather, through a long series of years, depended a little—a very little—upon the phases of the moon; and Quetelet, the Director of the Brussels Observatory, has shown that between the first and the last quarters of the moon, more and not less rain falls than during the remainder of the time. However, fine weather and greater rainfall may go together.

Finally, Webb, after a careful comparison of the present appearance of the moon, with the very precise maps made by Madler some twenty years ago, has shown that there have been some considerable changes. Some of the small craters, in particular, have a notably different appearance from what they had when Madler observed them. These changes show the existence of water and an atmosphere. Father Secchi, Director of the Roman Observatory, after much observation, has come to the conclusion that the peaks of the highest mountains on the moon are covered with snow. And to make us still more at home on the moon, De la Rive, the owner of the observatory at Crawford, London, gives it as his opinion that what were first marked down as seas, and afterwards supposed to be barren plains, are, in fact, extensive forests. In support of this comes up a great astronomical authority—Schwabe, the discoverer of the periodic times of the sun's spots. Besides these great smooth plains, which were called seas, there are a number of furrows or wrinkles—nearly a hundred—the nature of which is entirely unknown. Their length varies from three to thirty-five miles, and their greatest width is about five thousand feet; most of them are considerably narrower. Their sides are parallel and smooth; some are run in straight lines, and some are gently curved. Ordinarily they separate, but sometimes they cross, crater, and occasionally they seem to be cut off by them. They are found all over the surface of the moon, except on the mountain chains

Of these furrows Schwabe has made careful study at various times. He found them to consist of very fine parallel dark lines, separated by clear spaces. A few months later the lines of streaks had disappeared, but after a little time they returned again to disappear. In this periodic change, he thinks that he finds proof that these lines are rows of trees, and that the clear streaks between them are the bare ground seen when the trees are leafless; when the trees are in full leaf the ground is so covered as to produce a uniform shade, and the lines disappear.

Nothing is more natural than to suppose the dark spots on the moon are forests, but how shall we account for the growth of these trees in right lines? This we must yet consider as only an hypothesis. With the aid of photography, which will secure for us pictures of the moon from time to time, we may hope, that the question will be solved, and that we may really find out what is going on upon the surface of our satellite.

Ornamental Uses of Mica.—The application of mica to ornamental purposes is extensively practiced in Paris. When thus employed it is first cut to the desired thickness, then coated with a thin layer of fresh isinglass diluted in water, and the gold or other surface applied, after which it is allowed to dry.

The sheet of mica can be easily rendered adherent to almost any article by glueing. The artisan then takes a pattern of copper, with a design cut on it, and places it on the reverse side of the mica, and with a small brush removes any superfluous parts, the required design thus remaining on the parts which have not been brushed. He then applies the colors one or more times, as may be necessary, and afterwards coats the whole with a solution of liquid glue diluted in spirits of wine, which is applied for the purpose of rendering the mica pliable. When this is effected, the mica with the design upon it is applied to the frame of the other object and fastened with glue. The junction of several pieces of mica is made imperceptible by first glueing them together with Venetian glue, and then applying a hot iron to the parts where the mica is joined together, the parts being thus completely united. From its unalterable nature mica preserves the gilding, silvering, or coloring from deterioration, and from its transparency the articles so treated will preserve all their brilliancy. They are further preserved in a state of perfect cleanliness, as anything that soils them may at once be removed by washing.

The Gold Hill *News* says that the Crœsus Company have sunk a shaft 400 feet with out striking water. Bad country to dig wells in.

A Skillful Colored Mechanic.—A colored man named Benjamin Boardley, once a slave in Maryland, some few years since attracted the attention of several benevolent gentlemen by the wonderful mechanical ingenuity which he displayed. They clubbed together, purchased him of his master and gave him his liberty. He went north where his genius was quickly appreciated, and soon found employment in the Newport Naval Academy, where he displayed such qualities as induced Prof. Smith to place him in sole charge of the philosophical apparatus of the Institution. This man has recently employed his leisure time in constructing a steam engine. The result of his work has been the construction of probably the smallest steam engine ever built. It is rated at 3-fly power, and is perfect in all its parts, including the boiler.

The Mechanical Hair Brush.—A gentlemen who has submitted himself to the operation of the mechanical hair brusher, describes the sensation produced by it as follows:

When I went in to get my hair brushed, had sat down before the glass, and been tucked in as usual, with bib and dressing-gown, the hairdresser took up one of his circular brushes and hitched it to the revolving band over my head. In a moment I felt a silent fanning, as if some monstrous butterfly were hovering over me; this was the air of the twirling brush, which caught my hair up and laid it down, and traveled all over my head with incessant gentle penetration. It crept down my whiskers and searched my beard with the same tender and decided effect. There was no scratching, not even of the neck and ears, but the skin of the cheeks and chin was reached and swept. It was a new sensation. I felt as if I should like to be brushed continuously for a month.

The Public Debt.—The following is a correct statement of the National debt, as appears from the books, Treasurer's returns and requisitions in the Treasurer's Department, on the 28th day of June, 1864:—

Debt, interest payable in coin	$860,471,788
Debt, interest payable in currency	392,328,665
Debt on which interest has ceased	370,170
Debt bearing no interest	486,866,065
Total	$1,740,036,788

The annual interest upon the outstanding debt on June 28, payable in gold, was $52,024,843.54; interest payable in currency, $21,682,315.68, making the total annual interest on the whole debt at that time, $73,707,159.22; the account of fractional currency outstanding was $22,210,493.10, and the unpaid requisitions amounted to $502,620. The amount in the Treasury was $11,766,968.40.

Think.—Thought engenders thought. Place one idea upon paper, another will follow it and still another, until you have written a page. You cannot fathom your mind. There is a well of thought there which has no bottom. The more you draw from it, the more clear and fruitful will it be. If you neglect to think yourself, and use other people's thoughts giving them utterance only, you will never know what you are capable of. At first your ideas may come out in lumps, homely and shapeless; but no matter; time and perseverance will arrange and polish them. Learn to think and you will express your ideas.

Things Founded on Reason.—The ideas of superiority felt by a man in a big steamboat over another in a little steamboat.

The contempt a man who is going the whole route in a stage feels for one who gets in to ride only a few miles.

The dislike a person experiences against a stranger who wears his hat rather to please himself than anybody else.

The pride of a gentleman in the boxes at theater over one in the pit.

The credit you award to a shopkeeper when he assures you, on his "honor," such an article cost him so much.

New Style of Locomotion.—There is actually a Pneumatic Passenger Railway Company in London, who, moved by their success in shooting packages and letter bags throughout the city, are determined to do the same for those precious human parcels which must be handled with so much care. They have been constructing an experimental tube in the grounds at the Crystal Palace a quarter of a mile long, for the conveyance of passengers. And so the reign of steam is to pass.

A History of this war, made up of soldiers' letters, describing the marches, engagements, and incidents, is the latest proposed novelty. Frank Moore is the compiler.

The Wind of Projectiles.

The fact that a cannon ball passing close by a living subject exercises a lateral pressure on the air sufficient to produce a contusion has often been asserted, and as often denied. On this disputed matter, M. E. Peliken of St. Petersburg, some three years since presented a paper to the Academy of Sciences of Paris, giving an account of certain experiments instituted with a view to set the question at rest. Having obtained the concurrence of the Russian Government, M. Peliken caused a cylinder of sheet iron, one foot in diameter, to be constructed, with a piston moving easily inside. The piston rod was provided at its outer extremity, with a black lead pencil to mark the recoil on a slip of paper. The whole apparatus was firmly fixed on a strong wooden frame. The piston and piston rod weighed 8 lbs, and a force of 1½ lb was requisite to make the piston recoil an inch. At four meters distance from the frame a wooden screen was erected in order to ascertain the distance of the projectile from the piston at the moment of its passage. Although the experiments instituted in 1843 and 1844, in the arsenal at Washington, by Major Modacay, proved that at the distance of 48 feet the gases emanating from the powder have no effect upon the ballistic pendulum, a second screen was placed before the other at five meters distance from the apparatus, in order to protect it, if necessary, from the action of these gases. A 40 lb howitzer was then placed at a distance of 14 meters from the first screen; the charge of the powder being 4 lb. The velocity of the projectile at that distance was equal to that of a bombshell projected with a 7 lb charge, viz: 956 feet per second. The results obtained showed: 1. That at a distance of three inches, the piston remained immovable; 2. That even when the projectile broke off a part of the wooden frame supporting the cylinder, the piston gave no indication of motion; 3. But that, if the projectile just grazed the surface of the piston, a recoil of two inches was obtained; 4. If, on the other hand, a fragment of the frame hit the cylinder, the piston, instead of moving backward, would move forward about 3½ lines; 5. If the cylinder, instead of being placed parallel to the screens, was placed obliquely, a recoil would take place of from ¼ to ½ of an inch. Hence M. Peliken concludes that, since the piston required a force of 1½ lb in order to be moved an inch, and the wind of a cannon ball can never be expected to exercise such a force, the passage of a projectile close to a living subject will only produce an insignificant effect, which cannot amount to a contusion.

The Future Naval Warfare.—We shall know very shortly whether the chains hung outside of the Kearsage saved her men. To all appearance they did not; and but for the melancholy fact that some of the Alabama's wounded must have gone down with her, the loss would probably have been nearly the same on both sides. Is there not something ominous in such an encounter within our own seas? Such a contest, so brief, so hard-fought and so decisive, is even more terrible than the hand to hand tussle and the mere game of fisticuffs that our old fleets used to indulge in with a thousand pop-guns on either side. True there was damage done at last, but sometimes very little damage to speak of, and a big ship might receive many hundred shots only to have the glory of showing the shot-holes to the populace of Portsmouth. It is not so now. At the distance of a mile, never less than a quarter of a mile, a formidable ship, the terror of the American commerce, well armed, well handled, is sent to the bottom in an hour. Exactly an hour elapsed from the first shot to the moment when it became obvious that the vessel was sinking—when, indeed the rudder was broken, and the fires were put out. That is the pace at which our naval engagements will be fought for the future. In this instance the pace was all the quicker because the guns had the start of the ships, the guns being the new artillery, the ships wooden, excepting the chains of the Kearsarge, if they constitute an exception. The next duel in the British Channel will probably be between two vessels of the Warrior class; and he must be a bold man who can be sure that it will last as long as a Sunday morning service, or be less decisive than the last Sunday's.—*London Times, June 22.*

Should'nt be Disturbed.—The Pittsburg *Dispatch* learns from a reliable source that a congregation in Youngstown, Pa., were lately edified by a discourse against the sinking of oil wells, on the ground that God intended these oil deposits for some great conflagration, or other purpose, which was being interfered with by the well-borers.

The Amount of subscriptions for the distressed cotton operators in England has reached the amount of $10,000,000 in money, besides about $5,000,000 in clothing, etc. Books containing the subscribers' names are kept in large volumes in London.

Mining and Scientific Press.

W. B. EWER,..... .....Senior Editor.

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San Francisco:
Saturday Morning, August 6, 1864.

MINING SHARE MARKET.

Business in the Mining Share Market. during the past week has been exceedingly ligbt. No sessiou was held on Thursday, in consequence of that day having been set apart as a national Fast Day. A little activity has been manifested in several speculative shares, hut no especial indication of returning confidence can yet be seen. The constantly increasing receipts of hullion, and the generally improving condition of the mines, everywhere, must soon, however, hring matters to a turning point and produce a reaction, which will gradually restore the market once more to a healthy condition.

Gould & Curry dropped to $860 in the Pacific Board, on Saturday last. In the San Francisco Board it fluctuated during the week from $1,040 to $ 1,135, closing at the former figure. No change is reported at the mine during the week. Explorations are still going on, and will he continued without intermission. The receipts of hullion from the mine for July were about $325,000. A dividend of $50 per foot has been declared for the month of July.

Ophir has improved form $430, tho closing figure in our last report, to $600 on Monday, closing at $555, on Wednesday. One hundred and thirty-two shares only have changed hands during the week. The mine yielded about $75,000 during the past month, leaving a small balance in the treasury over expenses.

Savage found a seller on Saturday last at $750, since which no transactions have been reported; $900 was offered for it yesterday without finding a seller.

Chollar has partially recovered from its decline of last week, and found buyers on Wednesday at $335. It was offered yesterday, however, at $320, without takers.

Potosi remains at about its closing figures of last week. Reports from the mine are favorable. The receipts of hullion for the month were about $150,000.

North Potosi has been comparatively quiet. We notice but a single transaction (yesterday) of 20 shares at $45, an improvement of $10 over the closing figures of last week.

Imperial still remains firm at about previous figures; but little of this stock is being offered.

Lady Bryan still maintains its usual activity. After reaching 8⅜ on Monday, on the strength of favorable reports from the mine, it gradually declined to $4, its closing figure at yesterday's board.

Burning Moscow suddenly advanced from $13½, on Monday, to $20 and 22½ yesterday, at which figures considerable business was done.

Yellow Jacket is quiet, hut held firmly at $425, the lowest figure of last week.

Melones, which made its appearance last week at $8@$10, after a period of quiet, advanced to $12 on Monday, reached $17 on Tuesday, and $30 on Wednesday, closing at $29, in large demand.

Blue Ledge still continues at $2½, with increased business.

Baltic has met with a single transaction at $10; Buckeye is quoted at $2½; Crockett at $2½; El Dorado at $1½; Esmeralda at $5; Green at $1.

Golden Age and Empire maintains its last week's quotations, with largely increased business.

Kohler is quoted at $5; Milton at $11; Sacramento at $8.

Uncle Sam has found a seller at $200; hut a single transaction is noted for the week.

Real del Monte is quoted at $15. Reports from the mine are of an encouraging character.

Wide West suddenly advanced, on Saturday last, from $10 to $23, on the strength of encouraging reports from the Real del Monte mine, hut subsequently gradually declined to $13 at which figure it closed yesterday. Three hundred and fifty-nine shares have changed hands since our last report.

Utah has met with a single transaction at $15, and Silver Hill at $5.

Florida, Reese River, sold on Monday at $5; Refugio, Mexico, on Wednesday at $10.

The Pavilion.—Work upon the Pavilion is rapidly progressing. The immense dome is now being raised to its position, and workmen are also engaged in putting up the main front of the edifice. The floor is also being laid down. The building will he completed in good season for the exhibition. Arrangements have been made hy the Institute with the managers of the Christian Commission Fair, hy which a side building, 75 hy 100 feet, will he put up for the accommodation of the latter. the entrance to which will he through the Industrial Fair. The Christian Commissiou are to receive fifty free tickets to the Industrial Fair, for the lady managers, and are to have charge of the refreshments for hoth fairs.

Reese River Bullion.—According to the *Reveille* the amount of hulliou received at the different assay offices in Austin, during the month of July, was 74,450 ounces, which at $1.50 per ounce is eqnal to $111,675, a pretty good yield considering that the mills have not done half work during the month. The *Reveille* estimates that when the mills, and furnaces now in progress of erection, are all at work, the shipments will reach $500,000 per month, equal to the present shipment from Virginia and Gold Hill united. The shipments of hullion from Austin it is said, would he much larger than they are now if they could be provided with a proper escort.

Bullion from Esmeralda. The Esmeralda *Union* says the hullion shipped from Aurora during the last month foots up at one hundred thousand dollars, being a decrease of $20,000 under the previous mouth. This decrease is owing to the fact that two of onr best mills have not been in operation. Beside this, one of the best claims in the district has not taken out any hullion for some time, on account of the restraining order prohibiting them from removing the rock. Wells, Fargo & Co's agent assures us that the prospect now is that a much larger amount of hullion will be shipped from Aurora during the month of August than in any preceding month.

Times in Grass Valley.—Much improvement is beginning to manifest itself in Grass Valley. Large numhers of miners, who have spent the past year in Washoe, are now returning. More gold is being taken out of the quartz mines there than at any previous period. Some thirty experienced miners from Cornwall, England, and from Lake Superior, have arrived in that place recently, to engage in mining either on their own hook or as employees in mines already opened. Several new firms have opened business there, attracted by the general prosperity of the place.

Colorado vs. California.—While mining stocks in California are suffering a depression unprecedented in mining history any where, this class of property in Colorado does not appear to be affected to any very great extent. Other kinds of property there also commands a good price. Real estate is held at a high valuation; work cattle bring from $150 to $200 per yoke; cows are worth from $50 to $60; common riding horses from $75 to $100.

The Colorado Valley.—Important Movements.

The first shipment of freight hy water from this city to El Dorado Cañon, on the Colorado, was made on Thursday last, hy Mr. F. S. Alling, superintendent of the Hidalgo Mining Co. It left this port by the schooner Alice which will connect with the steamer Esmeralda, in the Colorado. The importance of this new route is beginning to attract much attention. Government has already adopted it as the hase of communication with Salt Lake, and as soon as the road from El Dorado Cañon to Salt Lake is put in order, all stores, munitions of war, etc., designed for that locality will pass over this route. The distance of El Dorado Cañon from Salt Lake, hy careful measurement, has been found to he 448⅛ miles. On the 10th of July, Capt. Price, with sixty men, arrived at the Cañon, commissioned to repair the road, which work has probably ere this heen commenced. With the exception of about 100 miles, of somewhat mountainous country, the entire distance of the road will he through a heautiful, fertile region, easily traversed. A fair. passable road is already in existence over this route, which has been long used hy the Mormons in passing from Salt Lake to San Bernardino and Los Angeles. All that government will have to do is to improve and straighten such parts of the road as may need such alteration.

Efforts are also in contemplation to open a route from the Cañon to Reese River.

A party of eastern capitalists left this city about ten days since, on a tour of inspection to the Colorado; their especial point being El Dorado Cañon. The party was accompanied by Judge Levi Parsons of thie city. Prof. Silliman, it will he remembered, is also *en route* for that point.

The "Philadelphia Silver and Copper Mining Company," chartered hy the State of Pennsylvania, is taking steps to practically develop, not only their own mines in Arizona, but also to aid, in the most substantial manner, the miners along the whole great Colorado Valley, from El Dorado Cañon to the head of the Gulf of California, to realize immediate returns from their labors. This movement is a most important one. The company proposes to pay cash for the ores as fast as delivered on the river's hank, and hy this means many small mines or large mines, which are in the hands of companies or individuals of limited means, can he speedily developed, many of them paying all expenses from the start. The beautiful little stern-wheel steamer, Nina Tilden, recently hnilt for this company, left, under sail, for the mouth of the Colorado, at 9 o'clock this morning.

This combined movement of capital, science and enterprise, is highly significant of the future of the Valley of the Colorado. The earnest of public opinion is already setting strongly towards this great mineral region and a new chapter in the history of Colorado and Arizona has been commenced.

The Way Italian Peasants Eat.—The traveler, in passing along the fields of Italy in the morning, will see a kettle of Indian meal and water hoiling over a fire in the field. When the mush is cooked it ie poured out upon a large flat stone, when the men, women and children gather around it, and take it np in their hands and eat it. At noon you will see the same process, and again at night. At first there was a prejudice against the American corn, as they call it, hut now it is almost the only article of food among them.

Dangerous.—Danger is apprehended in many quarters from the lofty brick walls which are being put up in many parts of the city, supported upon slender cast iron pillars, of a form and weight quite unsuitable to support such structures. It is suggested that the matter should he looked into.

A Dangerous Keepsake.—It is said that the Kearsarge, in her fight with the Alahama, received a hundred pound shell in her stern post, which, at last accounts, yet remained there, unexploded.

The Custom House "Strike."—Most of our readers are already aware that quite a number—twenty-six we believe—of the Custom House employees, in this city, recently tendered their resignations to the Collector, in consequence of their inahility to pay living expenses out of the salaries paid them in depreciated greenhacks. This step was not taken until after earnest representation had been made at Washington of the anomalous condition of things ou this coast, and the absolute necessity for making some special provisions to meet them. Even then it was not taken, as falsely intimated in an evening journal, with the view of embarrassing the administration of the Custom House Officers at a critical juncture. All the parties interested iu the movement have readily consented to give the Collector ample time to again confer with the Department at Washington, and secure either the desired relief, or, it possihle, within a reasonable time, the proper persons to fill the vacancies which would he made hy the proferred resignations.

Quite a number of the leading importing houses and merchants in the city, who are interested in preserving the integrity and proper management of Custom House affairs, have now joined the Collector in making representation of the case to the new head of the Treasury Department. The parties interested in the "strike," as it has been called, comprise many of the leading and most important clerks, whose finances absolutely forbid their continuance at their desks much longer, at the present rates of compensation. The common laborers employed hy the Collector, and hired hy the day, to do ordinary work upon the wharves, refuse to work for the sum now paid to many of the principal clerks. Were it not that these parties are hired and paid, without fixed salaries, the business of the Custom House would have stopped ere this, unless the extra expenses were provided hy the importers themselves. We have reason to believe that as much patriotism exists among our Custom House employees as can he found among any other class of citizens; hut no man can he expected to continue in the civil service of the Government, while his family is left to starve. In the military service, rations are provided, and shelter from the weather; and if want threatens a family left destitute hy the military call of their country, a generous public always stands ready to supply all that is needed. Such sympathy is never extended to persons in civil employ, for obvious reasons; on the contrary we have already seen that there are those in the community, who occupying public positions, are ready, not only to withold sympathy, hut even to add contumely to those thus situated. Let us hope that the number of such, in this community, is small.

The construction of so many new telegraph lines, and the consequent opening of so many new offices, in the United States, has created such a demand for new operators, that it has been rendered necessary to establish telegraph schools. One was very successfully opened at Chambersburg, Pa., about five months since, where about fifty operators were taught, all of whom are now employed on the different lines

Deserting.—Not very long ago, Mr. Barron, of this city, owned two hundred and forty feet in the Gould & Curry, and Andrew McCrary owned one hundred and thirty. When the dividend for June was declared, Mr. Barron's name appeared on the pay roll for only fourteen feet, and Mr. McCrary's name for only ten. These are not the only big fish which have departed for deeper waters during the last few weeks.

The Aquilla, the ship which brought out the ironclad, Camanche, and which has recently been raised from her watery bed, was sold on Saturday last, on account of the underwriters and salvors, for the sum of $2,700.

The Empire Foundry, at Gold Hill, was destroyed hy fire on the morning of July 30th., loss, $15,000. Two men sleeping in the building barely escaped with their lives.

REESE RIVER.

If any considerablo rcliance is to be placed upon what arc given as positive assertions with regard to the yield of the Reese River mines, that region certainly has a bright future in store. The mills that hnve long bcen lying idle appear now to be generally at work. Many new ones are going up in various localities, and roasting furnaces are generally being bnilt in connection with them. The rock nf that sectinn appears to be of such a character that only by roasting can a tithe of its richness he extracted. The Oregon mill recently tested this question, with the following results:—Two tons of ore were selected, one ton being worked the ordinary way, nnd yielding $20; the other ton was submitted to tho roasting process and afterwards worked with n result of $200. Consequently ronsting furnaces arc now tho order of the day nt nearly all the mills of Reese River. New ledges arc almost daily reported, nnd extraordinary yields from those already opened are as frequently heard from. Large quantities of bullion are constantly being sent forward to this city. We would call the especial attention of readers to our summary of Reese River mining news in the present issne, as fully substantiating the above.

According to the *Reveille*, fifty men, or more, are constantly at work, at the present time, in the vicinity of Austin, with hand mortars, and making from five to ten dollars per day to the hand. Many buy their rock, generally selected ore; others pick it np as it lies scattered about in boulders. All the capital required to establish a quartz mill of this class is money enough to buy a druggist's mortar. Some who have done well at this style of work, have extended their husiness by rigging up small sized stamps worked with cams on a shaft turned with a crank by hnnd. These little mills, says the *Reveille*, are sometimes quite ingeniously constructed, easily and profitably worked, and bid fair in some few instances to grow into full sized quartz mills. As capital is so shy, at the present time, of mining investment, the miners there appear to have come to the conclusion that they must depend on their own resources. The idea is a good one, and where men once adopt resolutions of this kind, they are sure to overcome all obstacles and triumph in the early future. This is the right kind of mining progress, and just the way to build up a prosperous and healthy mining community. Let the miners of Reese River not be ashamed to be found creeping to-day; they will all the sooner he able to walk strongly and proudly, masters of their situation, and in the full tide of successful experiment.

From Idaho.—Dr. R. W. Murphy and Jas. Childs arrived at Sacramento on Monday, from Jordon Creek, Idaho, in eleven days, on horseback, a distance of six hundred miles. They came by way of Humboldt, N. T, and report that mining prospects in Idaho are very gloomy. Miners and others are leaving in all directions. Dr. Murphy brought with him a quantity of gold dust from placer diggings on Jordan Creek, twenty ounces of which have been assayed, and found to he worth only eleven dollars per ounce. The travelers report that when they left there was still considerable trouble with the Bannock Indians, who continued hostile. The desperadoes having been about wiped out, good order was maintained by the regular authorities, who are reported as vigilant and efficient.

The Stockton *Independent* has just entered npon its seventh volume. This is one of the most useful and best edited papers on tho Pacific Coast. It embraces, in its discussions, nearly every topic of general interest in the community, and its subjects are handled with a force and intelligence rarely met with in newspaper literature. It is edited by Samnel Seabough, Esq.

Soldier's Pay.—The soldiers in the employ of the United States now receive fifty-three and a half cents per day more than the soldiers of any other nation.

The Grass Valley National, late a tri-weekly, is now making its appearance daily.

Prof. Silliman, according to the Los Angeles *Star*, during his visit at Los Angeles, expressed himself as greatly pleased with the vineyards there, and the produce of the grape obtained in the cellars was so superior to what is represented as wine elsewhere, he could not hardly believe but what he was being imposed upon, and first class foreign wine represented as home manufacture. He took a look at Mr. Keller's cotton and tobacco plantations, with which he was much pleased; in many instances conferring great favors on his hospitable entertainers, hy valuable scientific suggestions, which he seemed very willing to communicate. His readiness in this particular was remarked and appreciated, and no where did he go without communicating information either in science or the practical treatment of the every day concerns of the vineyard, cellar, or plantation. He was greatly interested in their asphaltum deposits, looking upon them as among the most valuable of the resources of the locality. He gave no countenance to the theory held by some that these asphaltum beds overlay coal. On the contrary, coal has never been found in any such connection. But he gave great encouragement to capitalists, hy the assurance that if these deposits were pierced, petroleum would be found in great abundance. On leaving Los Angeles, he proceeded by way of Santa Anna, visiting the coal and marble beds there; thence to the Temescal tin mines; afterwards he will go to the Colorado country. He will visit El-Dorado Cañon, and probably return to this city overland.

Mammoth Tooth.—The workmen employed in the Tellurium Mining company's claim, Amador county, recently came across an immense tooth, supposed to have once belonged to a member of the extinct mastodon class of animals. It was taken from ninety feet below the surface of the earth, and imbedded in a slate formation. It will weigh near three pounds, measures some eight inches long and three inches wide, has four ridges on the surface, covered with thick cement or enamel. The ridges are worn so much that we judge the proboscidian pachyderm in whose jaw it was socketed must have been an elderly animal, or subsisted on coarse vegetable food, that tested the capacity of even his enormous grinders to the utmost. The tooth, which is a fine specimen, may he seen at the California Exchange. It will be enclosed in a case and placed on exhibition in the Industrial Fair shortly to be held in this city.

Falling Off of American Shipping.—Our English cousins, by allowing privateers to be fitted out from their ports, have struck a terrible blow at our commerce, and are enriching themselves at our expense. The following table, which exhibits the foreign trade of New York, gives the proportion of exports and imports under the American and foreign flags, in the years named. We give the figures in round numbers:

Year.	American vessels.	Foreign Vessels.
1857.....	$240,000,000.....	$105,000,000
1858.....	154,000,000.....	84,000,000
1859.....	214,000,008.....	168,000,000
1860.....	234,000,000.....	150,000,000
1861.....	166,000,000.....	139,000,000
1862.....	150,000,000.....	239,000.000
1863.....	83,000,000.....	321,000,000

Compare the figures, and then say whether we can expect Englishmen to rejoice over the destruction of the Alabama, or frown on the aspirations of Semmes after another steamer.

A Rocking Stone.—It is said that a rocking stone, weighing about five tons, has been found near Steamboat Springs, in Washoe, which may be moved several inches by a slight effort of the hand. It is pronounced a great curiosity.

A Lofty Building.—The Imperial Hotel, at Gold Hill, N. T., will be five stories high—four stories above the basement. It will be of the Grecian style of architecture, to be built of brick, and plastered in imitation of stone. Its dimensions are 63 feet wide, 98 long, and 60 feet high. It will cost $100,000. It will not be finished before next spring. Mr. Joseph Gosling is the architect. When finished this building will present an appearance equal to almost any house in San Francisco.

A Magnetic Discovery.—Dr. A. von Waltenhofen has communicated to *Dingler's Polytechnisches Journal*, an account of a curious magnetic discovery which he has recently made. It is a well-known fact that the magnetism of an electro-magnet does not entirely disappear with the cessation of the magnetizing current. Dr. A. von Waltenhofen has, however, observed that the amount of this residual magnetism, as it is called, is dependent upon the manner in which the current is interrupted. If this interruption takes place suddenly, the residual magnetism is much less than when it takes place gradually. A still more interesting circumstance has been observed by him—viz: that the residual magnetism obtained by suddenly breaking a very strong current, is sometimes of an opposite nature to that previously existing in the electro-magnet. This fact, which he has hitherto only noticed in very soft iron, is of great interest, inasmuch as it furnishes a new and simple proof that magnetism is not caused by the separation of two fluids, but by the motion of magnetic molecules, to which is opposed a certain amount of frictional resistance. With much ingenuity he compares the state of each magnetic molecule of the electro-magnet to that of a spring which is bent back. If the spring he suddenly released, it will return very nearly to its original position, or even go beyond it. On the other hand, if it be released gradually, it will stop at a point still further removed from its original position.—*London Mechanics' Magazine.*

Gun Powder—A New Invention.—Capt. Edward Schultze, of Potsdam, England, has invented an improved mode of manufacturing gunpowder. He proposes to take the natural grown-up trunks of trees, clear them from the roots and the bark, and to cut these trunks into thin plates of the diameter of the trunks themselves. These timber plates are cut by machinery into little grains of equal length and breadth with the thickness of the plates. The timber grains so obtained will become tho powder grains. The first object of the chemical labor is to obtain the grains as porous as possible, and to clear them from all external mechanical substances. This is obtained by the application of chloride, and then of nitrous acid; these grains are made explosive by nitrate of potash, and in some instances by "kaliferrohydrocyanicum." The proportions are varied, according to the purpose for which the powder is to be used. In case the powder is to have a more gradually acting, not very explosive force, the first combustible material (namely, the flammable but not explosive grains) will be ground into dust. This dust is then treated by the same process of the above mentioned mixtures to produce the explosive power. From the matter so obtained a kind of cake of relative strength is produced by means of pressure, and these cakes are the material from which by the necessary machinery the powder grains may be obtained.

New School House.—The foundation of the new brick school-house on Fifth street, in this city, which is designed to be a model building of its class, and the largest belonging to the San Francisco Public School Department, are now being laid, and the main walls are already commenced. The building will be up and closed in before the setting in of the rainy season.

Nearly Ready.—The magnificent hotel in process of construction on the corner of Bush and Sansome streets, is nearly completed, and will probably be thrown open to the public by the first of September. It is to be called the Cosmopolitan.

The Grape Crop of California this year promises to be finer in quality and more abundant in quality than ever before. The finer table grapes, Sweetwaters and Muscats, are now quite plentiful in market.

Gould & Curry.—The Gould & Curry Mining Company have declared a dividend of $50 per foot on their capital stock, for July payable at the Company's office in this city.

A Boy near Downieville was poisoned the other day by eating wild berries. That which was peculiar in the post mortem was that nearly all the external surface of the body was covered with patches of livid hue, whilst no red blood was discovered in the internal organs.

South Boise.—The Mountain *Messenger* is informed that the result of the first cleaning up of the Ophir Gold and Silver Quartz Ledge, situated at South Boise, was as follows: Five days' run, two arastras, cleaned up $3,990. No. of feet in the claim, 1600; No. of stockholders, 43. The ledge is leased for one year to Messrs. Wiley & Co.; they giving the stockholders one-third gross amount taken out. Sales of stock $35@$40 per share—of one foot.

Record of New Incorporations.

We gather from the Territorial papers the following names of mining companies which have recently filed papers of Incorporation in Nevada Territory:—

Folsom Discovery G. & S. M. Co.—Reese River. Trustees: J. B. Helm, Ed. W. Walton and J. D. Cornell. Capital stock, $100,000.

Shamrock No. 2, North Co.—Nye County N. T. Trustees: James Hubbard, M. M. Campbell and W. T. Remmington. Capital stock, $100,000.

Caledonia G. & S. M. Co.—Storey County, N. T. Trustees: C. L. Straight, William Whaley and George Dart. Capital stock, $80,000.

Marysville G. & S. M. Co.—Storey County, N. T. Trustees: F. E. Reel, J. N. Rutter and J. C. Tickner. Capital stock $120,000.

Miners' Strike in Washoe.—The employes of the several mining companies at Gold Hill were notified of a reduction of their wages on the 1st instant, from four to three and one-half dollars a diem. The men at supper refused to go to work for such prices, and not only refused to go to work themselves, but in protection to their rights, determined not to allow any one else to work at reduced wages. At 8 P. M. a large crowd assembled and procuring the services of the Gold Hill Brass Band, started in procession for Virginia, increasing as it went, and when it reached the International Hotel assumed the vast proportions of a multitude of men. The air was resonant with cheers for "no reduction of labor" and groans for the movers of a lower tariff for work. Several gentlemen addressed each particular locality. A committee was appointed to act for the multitude, and confer with the employers. The result was that all hands went to work the next morning at the old rates of $4 per day. The workmen met on the evening of the 2d instant for the purpose of organizing a Miner's Protective League. All is now quiet on the Comstock.

Mining Accidents.—A man by the name of Hamilton, from St. Lawrence county, N. Y., while at work in the engine shaft of the Ophir mine, on the 27th ult. was struck by the descending bucket and so badly injured that he died in a few hours.

The day after the occurrence of the above, another still more dreadful accident occurred at the Milton mine, caused by some defect in the break attached to the whim, by which three men, whose names we have not learned, were precipitated to the bottom of the shaft, a depth of 200 feet, while a fourth man was carried up to the top of the hoisting gear and was in imminent danger of being smashed. Two of the men are reported as fatally injured. The third man, strange to state, did not appear to be much injured, as he got up and walked off after being hoisted up from the bottom of the shaft.

The Treasure lost in the Golden Gate appears to be as far from the reach of the owners as ever. Having been rescued from its watery vaults, it is now so completely locked up under the bars and bolts of the law, that an expert burglar even would have a poor chance of making anything out of it. It is likely to fare very much like the ancient oyster.

Valuable Relic.—Many of our readers will recollect that when the ill-fated steamer Lexington was burned on Long Island Sound, near thirty years ago, a man went ashore on a bale of cotton. The bale of cotton was kept in the family until a month ago, when it was sold in Providence for $500.

A Tedious Mining Suit.—In the case of the Antelope and Young America mining suit, before the District Court at Anrora, a few days since, one witness was kept on the stand a day and a half. There are said to be in the case about one hundred witnesses, the duration of whose testimony may be judged by the above instance.

The weather throughout the interior has been very hot during the past ten days.

OLD TDINGS.—Give me the old songs, those exquisite bursts of melody which thrilled the lyre of the inspired poets and minstrels of years ago. Every note has borne upon the air a tale of joy and rapture—of sorrow and sadness. They tell of days gone by, and time hath given them a voice which speaks to us of those who once breathed and sang those joyous old melodies—of what they now are and what we soon shall be. My heart loves those melodies; may they be mine to learn till life shall end, and as I "launch my boat" upon the sea of eternity, may their echoes be wafted to my ear, to cheer me on my passage from the scenes of earth and earth land.

Give me the old path, where we have wandered and culled the flowers of love and friendship in the days of "Auld Lang Syne," sweeter, far, the dells whose echoes have answered to our voices; whose turf is not a stranger to our footsteps, and whose rills have, in childhood's days, reflected back our forms and those of our merry playfellows, from whom we have parted, and meet no more in the older books we loved so well. May the old paths be watered with Heaven's own dew, and be green forever in my memory!

Give me an old house, upon whose stairs we seem to hear light footsteps, and under whose porch a merry laugh seems to mingle with the winds that whistle through old trees, beneath whose branches lie the graves of those who once trod the halls, and made the chambers ring with glee. And O! above all, give me the old friends—hearts bound to mine in life's sunshine hours, and a link so strong that all the storms of earth might not break it asunder—spirits congenial, whose hearts through life have throbbed in unison with our own? O, when death shall still this heart, I would not ask for aught more sacred to hallow my dust than the tear of an old friends. May my funeral dirge be chanted by the old friends I loved so fondly: who have not yet passed away to the spirit's bright home!

NATURE PLAYING AT MUD PIES.—In 1828, Dr. Duncan observed in certain sandstones the footprints of tortoises, and following up the clue thus furnished to a suggestive mind, the Dumfrieshire discovery has expanded into a separate science called Ichnology. It amounts to this. Myriads of millions of years ago, the tide was out, and the beach was smooth and soft and flat, and there fell a shower of rain and pitted the surface in a particular way; part of it was hail, which made its own particular mark. Then came a little salt water lizard, or a crab, sliding along, or a frog, the size of a well-fed pig, leaping and waddling by turns; and on the micacious mud each inscribed the whole history of that day's proceedings—a little autobiography or Pilgrim's Progress in the genuine reptilian or batracian handwriting; and there it remained until the tide gently rose and with fine sand or clay filled up the impressions. And now that the whole is converted into rock, there comes some exploring Miller or Mantel, and turns over the stony leaves and reads the record as plain as if it had been printed yesterday.—*Good Words.*

MONADS.—While the telescope fails to reveal the boundaries of the universe, so the microscope is insufficient to conduct our vision to the bottom of the descending scale of creation. Monads are the smallest of living creatures yet discovered. One species is only one twenty thousandth of an inch in length. A short one-tenth of an inch in diameter occupies more space than thirteen thousand millions of these animated atoms, yet they have all the organs necessary for their range of existence. Their powers of reproduction are truly wonderful. The gallonella, a species of the box chain animalcule, one individual being in 24 hours will increase to the number of one hundred billions, and increase equal to 100 times the inhabitants of the globe. What mathematician can calculate, or what mind can comprehend such an increase for only a few days? What an immense space intervenes between these monads and the whale a hundred feet long! yet all of this space is filled up by at least 250,000 of animated beings.

VOCAL MACHINERY OF BIRDS.—It is difficult to account for so small a creature as a bird making a tone as loud as some animal a thousand times it size; but a recent discovery shows that in birds the lungs have several openings communicating with corresponding air-bags or cells, which fill the whole cavity of the body from the neck downward, and into which the air passes and repasses in the progress of breathing. This is not all. The very bones are hollow, from which air-pipes are conveyed to the most solid parts of the body, even unto the quills and feathers. The air being rarified by the heat of their body, adds to their levity. By forcing the air out of their body, they can dart down from the greatest hights with astonishing velocity. No doubt the same machinery forms the basis of their vocal powers, and at once resolves the mystery into a natural ordering of parts.

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16mo, flexible cloth, 192 pp. $2.50.

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A. S. HALLIDIE & CO.,

Wire Rope Manufacturers,

Established 1857.

Office, No. 412 Clay street—Works, North Beach, SAN FRANCISCO.

After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for

HOISTING FROM DEEP MINES,
GUY ROPES FOR DERRICKS, &c.,
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
SASH CORD FOR WINDOW SASHES, &c.,
ETC., ETC., ETC., ETC., ETC., ETC.

It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.

MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.

Wire Fencing Strand,

For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.

Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.

WIRE SUSPENSION BRIDGES AND AQUEDUCTS

We are prepared to erect, of any span and capacity, and take pleasure in referring those interested to the many structures of this kind built by us in California, Oregon and British Columbia, of span from 200 to 400 feet. 3-3m

POWDER!

The California Powder Works,

Office, No. 512 California street.

ARE NOW RECEIVING FROM THEIR MILLS AT SANTA CRUZ, REGULAR AND AMPLE SUPPLIES

—OF—

SUPERIOR

MINING AND BLASTING POWDER,

Which they offer to the trade and to consumers with full guarantee of its quality in all respects.

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ARTIFICIAL LEG,

Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

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THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.

C. A. CRANE, Proprietor.

JOSEPH C. COLLINS, Superintendent. 3-3m

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.

Office of the Company No. 323 Montgomery street. 1tf

Scraps of Science.—One of the most wonderful achievements of astronomers is the weighing of the bodies comprising the solar system. The mass of the sun is 359,551 times greater than that of the earth and moon, and 700 times greater than the united masses of all the planets.

A flash of lightning on the earth would be visible on the moon in a second and a quarter; on the sun, in eight minutes; on Jupiter, (when furthest from us), in 25 minutes; on Uranus, in two hours; on Neptune, in four hours and a quarter; on the star Vega, of the first magnitude, in 4,000 years: yet such stars are visible through the telescope!

La Place, the great French astronomer, says: —"I have ascertained that between the heavenly bodies all attractions are transmitted with a velocity which, if it be not infinite, surpasses several thousand times the velocity of light." His annotator estimates that speed as being eight millions of times greater than that of light.

The circumference of the earth is 25,000 miles. A train traveling incessantly night and day at the rate of 25 miles an hour, would require six weeks to go around it. A tunnel through the earth, from England to New Zealand, would be nearly 8,000 miles long.

The barking of dogs is an acquired hereditary instinct, supposed to have originated in an attempt to imitate the human voice. Wild dogs, and domestic breeds which have become wild, never bark, but only howl. Cats, which so disturb the inhabitants of civilized countries by their midnight "caterwaul" are, in their wild state in South America, quite silent.

The dark races of men have less nervous sensibility than the whites. They are not subject to nervous disease; they sleep sound when sick; nor does any mental disturbance keep them awake. They bear surgical operations much better than the white people.

A certain species of fungus has been known to attain the size of a gourd in one night; and it is calculated that the cellules of which it is composed must amount to forty seven thousand millions. If it grows in twelve hours, this would give four thousand millions per hour, or more than six millions per minute.

The Closing of Life.—Of all periods and events of life, the concluding scene is one of the deepest interest to the person himself and surviving spectators. Various are the ways in which it comes, and various the aspects it presents; but it is solemn in all. What can be more so than the approach of that moment which, to the dying man, is the boundary between time and eternity; which concludes the one and commences the other; which terminates all his interests in this world, and fixes his condition for a never-ending existence in a world unknown? What can be more solemn than those moments of indiscribable anxiety, when the last sands of the numbered hour are running out; when the beating of the heart has become too languid to be felt at the extremities of the frame; when the hand returns not the gentle pressure; when the limbs lie stiff and motionless; when the eye is fixed, and the ear turns no more toward the voice of consoling kindness; when the breath, oppressive and laborious before, becomes feebler and feebler till it dies slowly away, and to the listening ear there is no sound amid the breathless silence, nor to the arrested eye that watches with an unmoving look of thrilling solicitude for the last symptom of remaining life, is motion longer perceptible; when surrounding friends continue to speak in whispers and to step through the chamber on the tiptoe of cautiousness, as if still fearful of disturbing him whom the noise of a thousand thunders could not startle, and who has fallen into the last sleep from which nothing shall ever rouse him but the "voice of the archangel and the trump of God?"

In Plumas county, the other day, a man endeavored to snap off a rattlesnake's head by catching him by the tail. The snake fastened his fangs in the man's hand, from which they were extracted with difficulty. The snake died but the man recovered after a large dose of whisky and application of ammonia.

By the last statistics of Australia, we learn that there are only 2,500 Americans in those British colonies. Five years ago there were about 10,000, but most of them have returned to California.

The Taunton *Gazette* tells of a turkey which stole away on a matrimonial speculation, and was found in the woods sitting on a nest, which she occupied conjointly with a partridge, the pair sitting side by side on eggs of both species indiscriminately mixed.

"I wonder where these clouds are going" asked Flora, pensively, as she pointed with her delicate finger to the heavy masses that floated in the sky. "I think they are going to thunder!" said her brother.

There are said to be 20,000 Southern women in the boarding houses in New York city.

A GREAT INDUSTRIAL FAIR!

—TO BE—

Opened in San Francisco,

—ON THE—

30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the golden of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled— "For the Industrial Fair," and be directed to C. U. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 23d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Liquid, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals sufficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE,
H. D. DUNN,	P. B. DEXTER,
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER,
E. N. TORRY,	W. H. BRYAN,
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Smith & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the Mining and Scientific Press. The circulation of the paper is extensive, and has a wide and rapidly reaching influence among intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

New Volume.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent.*

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "slight cold" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. "*Brown's Bronchial Troches*" give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in pocket and taken as occasion requires.* Agents for California 1-1m Redington & Co., San Francisco.

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

141- W. A. H. TOWN, Secretary.

Caution.—Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

The following certificates were sold for delinquent assessments on Saturday, July 16, 1864, and will not be transferred on the books of the company:

Certificate	28.....R Bradshaw.....	5 shares
Do	60.....W Haley.....	5 do
Do	64.....Jos Stansfield.....	40 do
Do	104.....S B Clark—per branch..	10 do
Do	109.....M Fennell.....	25 do
Do	132.....W G Moody.....	165 do
Do	144.....Thomas J Pervear....	5 do

By order of the Board of Trustees.

4 LAWRENCE C. OWEN, Secretary

SAN FRANCISCO FOUNDRY

And Machine Works,

Corner Fremont and Mission streets,

SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.

☞ Steam Engines constantly on hand.

Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.

☞ REPAIRING promptly attended to.

DEVOE, DINSMORE & CO.

San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY

—AND—

MACHINE WORKS,

First st., between Howard and Folsom streets,

SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINERY, the **Best and Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.

tf. HOWLAND, ANGEL & KINO.

THE PACIFIC IRON WORKS,

First street, between Mission and Howard streets,

— SAN FRANCISCO.

GODDARD & COMPANY,

— MANUFACTURERS OF —

Steam Engines and Boilers,

QUARTZ, FLOUR, SAW AND SUGAR MILLS,

AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,

And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,

Lower Gold Hill,

Have Superior Facilities for Making

Mining and Milling Machinery.

A COMPLETE SET OF MACHINE TOOLS WITH

PLANER,

ENABLES ME TO DO ALL KINDS OF

MACHINE WORK AT SHORT NOTICE.

RETORTS AND INGOT MOULDS,

STAMP SHOES AND DIES,

WHEELER, VARNEY AND HEPBURN

PAN SHOES CONSTANTLY ON HAND.

Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by

13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,

No. 24 & 26 Fremont Street.

—MANUFACTURE—

STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.

Castings of all kinds,

Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.

STEAM ENGINES OF SCOTTS' PATENT,

Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.

16v8 THOMAS SCOTT & CO.,

D. B. BINCKLEY, WM. E. WORTH. WM. A. FIELD

Fulton Foundry and Iron Works.

HINCKLEY & CO.,

MANUFACTURERS OF

STEAM ENGINES,

Quartz, Flour and Saw Mills,

Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.

SCHWARTZ, SHIELDS & CO.,

ALBANY IRON WORKS,

Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

JOHN P. GALLAGHER..... .....JOSEPH H. WEED.

GALLAGHER & WEED,

BRASS AND BELL FOUNDRY

And Lock Factory.

ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.

☞ Particular attention given to casting Rudder Braces and Ship Work in general.

☞ All Jobs promptly attended to.—Prices moderate. ☜

No. 125 First Street, opposite Minna, next door to Pacific Foundry.

[Removed from Oregon street, between Front and Davis.] j2tf

Vulcan Iron Works Company.

P. TORQUET, Manager.

Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Josyal and other Turbine Water Wheels with latest improvements.

No. 147 & 139 First Street San Francisco. tf

LEWIS COFFEY. J. S. RISDON.

LEWIS COFFEY & RISDON,

Steam Boiler & Sheet Iron Works

THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.

Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

PORTLAND BOILER WORKS.

MOYNIHAN & AITKEN,

BOILER MAKERS AND SHEET IRON WORKERS,

N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.

Mission, between Beal and Fremont Sts., San Francisco.

qy29-tf

GEORGE T. PRACY,

Machinist and Blacksmith.

STEAM ENGINE, FLOUR & SAW MILL,

And Quartz Machinery, Printing Presses,

—AND—

MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.

Nos. 109 and 111 Fremont street, near corner of Mission,

OPPOSITE MECHANICS' MILL,

qy-3 SAN FRANCISCO.

DUNBAR'S PATENT SELF-ADJUSTING Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this Valuable Improvement, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,

23v8 Golden State Iron Works, San Francisco.

J. H. GRUSH, J. A. PEER, W. BUSHMAN

GRUSH & CO.,

Pattern and Model Makers.

Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.

—ALSO—

WOOD WORK FOR ALL KINDS OF MACHINERY.

☞ Scroll Sawing Done to Order. ☜

Fremont St., between Market and Mission, San Francisco. 3-3m

IMPROVED WATER-WHEEL,

— PATENTED BY —

JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—it can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address SMITH & HANSCOM,

15v8-3m Golden State Iron Works, San Francisco.

CROCKERY,

Glassware, French China,

COAL OIL LAMPS,

CLOCKS, CUTLERY,

SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the

LOWEST RATES.

HAYNES & LAWTON,

515 and 518 Sansome st., cor. Merchant, San Francisco.

1-3m

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000

600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building, corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUGKS,.....San Francisco.
GEO. H. BAKER,.....San Francisco.
P. T. ARCHAMBOU,.....Geyserville.

19-3m

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF AUGUST, 1864.

Aug. 3—UNCLE SAM.....
Aug. 13—GOLDEN CITY.....Capt. W. F. Lapidge.
Aug. 23—GOLDEN AGE.....Capt. E. S. Fransworth.

From Folsom street Wharf, at nine o'clock A. M., punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,

24-tf Corner Sacramento & Leidsdorff Sts.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

Enlarged.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and berewith append tbat section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Pacific Powder Mill Company, Marin Co., California.

NOTICE.—A special meeting of the Stockholders of the above Company, will be held at the Office, No. 708 Montgomery Street, San Francisco, on Saturday, the 20th day of August, 1864, at 7 P. M., for the purpose of amending the By-Laws. By order of the Trustees.

4-4t A. H. MEYERPETER, Secretary.

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING
At less then half the cost of tin roofs.

READY ROOFING
More durable than Tin.

READY ROOFING
Suitable for steep or flat roofs.

READY ROOFING
For all kinds of buildings, in all climates.

READY ROOFING
Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.
Much cheaper and more durable than oil paint. Also,

Compound Cement,

For Leaky Shingle Roofs,
Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6-tf 73 Maiden Lane, N. Y.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGER. No wood-work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,
No 13 Plait Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co;—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.
6-tf

STILL IMPROVING!

VOLUME IX
—OF—
The Mining and Scientific Press

COMMENCES
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

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Largest, Handsomest and Most Useful

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Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

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As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Is written for the people in good plain English and finely illustrated.

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Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be witheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining Officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an adverse or unconmmon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to intertere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on prescuting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible, and our client is not charged for the service. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehead by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequaled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & CO., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued, the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, through delays on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stemping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunc tion from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings thereto connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel and state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market: Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Duetility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Pelisch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Insects; Old Without Knowing It; Eating when Sick; Weather and Health; Efficacy of Onions; Rolling Water Shares Down Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River, Washoe Coal Co.; Volcano in Rutte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

THE MINING AND SCIENTIFIC PRESS is published every Saturday morning. Each number contains SIXTEEN PAGES of SIXTY-FOUR COLUMNS. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very low.

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MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

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REFERENCES—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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Carried on, on Silver and Gold ores as heretofore.

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And Feed of all Kinds,
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—ALSO—
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Works—No. 537 Market Street.
San Francisco, January 1st, 1864. 1-tf

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Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

BLAKE'S

QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

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WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

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1-3m

Disney's Cylinder Amalgamator.

The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, Juue 23, 1864. 1-3m

Lloyd's New Amalgamator

Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 500 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 6 0 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 1½ ozs. Ryerson's machine having only got 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold	$73 33
Silver	42
To the Ton	$73 75

The assay is made by Messrs. Molitor & Co.

From 2 pounds of the same ore, worked for the same party, was obtained:

Gold	$63 30
Silver	04
To the Ton	$63 34

Assay made by Kellogg, Hewston & Co.

The tailing from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $ 5 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $53 54.2 per ton; and over the works at the mill, $62 34 2 per ton. Result from 5 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $ .19, Silver, $1.52, amounting to $2.71.50—equal to $361.33 1 0 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Beelken, at his metallurgical works in this city, obtained by the Varney Pan $.54 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 65 pounds of ore from the Lady of the Lake Company, Leland Lode, San Francisco District, Arizona Territory, worked for C. W. C. Rowell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $2 6. 8-10. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Hewston & Co., yielded $7.38 99—equal to $11.60 to the ton. Difference in favor of Lloyd being $104.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines to be addressed to the care of Messrs. Kustell Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgumaling purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from where it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's

AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines come to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS,
NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in milling are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK GOLD AND SILVER ORES in large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merits of rock.

WHEELER & THAYER, Proprietors.

O. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order, they will run for years without repairs.

Prices, from $30 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

DENTAL GOODS!

Dental Importing House.

R. H. McDONALD & CO.,
DRUGGISTS,
Corner Pine and Sansome streets, SAN FRANCISCO.

R. H. McDONALD & CO., DRUGGISTS,
SACRAMENTO.

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

DENTAL AND SURGICAL INSTRUMENTS, TEETH,

Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Pluggers, Scalers, Files.

ROSEWOOD DENTAL CASES,

Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

Dental Books.

We keep constanly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

3-3m R. H. McDONALD & CO., Druggists.

R. H. McDONALD. J. C. SPENCER.

R. H. McDonald & Co.,

WHOLESALE DRUGGISTS,

SACRAMENTO.

R. H. McDonald & Co.,
Cor. of Sansome and Pine Sts.,
SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

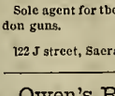
DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS.	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

RIFLES, GUNS AND PISTOLS.



WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**
613 Clay street, San Francisco.
122 J street, Sacramento. 3-6m

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. FRATT.....of Nash & Fogg

Office of the Company 323 Moutgomery Street. j1tf

Mining Notices.

Advertised in Previous Issues.

Animas Silver Mining Company, Ventanna, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.
Office, No. 623 Montgomery street, San Francisco, California. 3-4t

Aspinwall Gold and Silver Mining Company, Amador District, Lander County N. T.

NOTICE.—There are delinquent, upon the following described stock on account of assessment No. 2, of fifty cents per share, levied June 10th, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
E E Elliot,	13 53	93—ea 20 shs 60	$30 00
E E Elliott,	87 94 97	98—ea 10 shs 40	20 00
E E Elliott,	99 100 101 102	103 104—ea 5 shs 30	15 00
E E Elliott,		55	15
G P Sparks,	not issued	55	27 50
G P Sparks,	11	57—ea 20 shs 40	20 00
G P Sparks,		56—40 shs	
G P Sparks,		58—10 shs 50	25 00
K E Meeks,	not issued	70	30 00
E E Meeks,	78	79—ea 10 shs 20	10 00
H A Chase	not issued	100	50 00
B T Hunt,	80 81 82	83—ea 10 shs 40	20 00
Richard Romau,	not issued	25	12 50
W D Mathenay,		71-20 shs	
W D Mathenay,		77-5 shs 25	12 50
W D Mathenay,	72 73	74—ea 10 shs 30	15 00
W D Mathenay,	75	76—ea 6 shs 12	6 00
A C Nichols,		38-10 shs	
A C Nichols,		39-15 shs 25	12 50
A C Nichols,		96 100	50 00
Ole Torson,		18 20	10 00
Sam Moore,	22 23 24 25	26—ea 5 shs 25	12 50
Andrew Smith,		50-25 shs	
Andrew Smith,		86- 5 shs 30	15 00
W A White,		52 5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, unless payment be made before, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Wednesday, the 3d day of August, 1864, at the hour of 12 o'clock, M., of saidday, to pay said delinquent assessments (fifty cents per share) thereon, together with costs of advertising and expenses of the sale.

A. F. EVERETT, President.

POSTPONEMENT.—The above sale is postponed until Saturday August 13th, 1864, at the same hour and place. By order of the Board of Trustees.

6-1t JOSEPH HEALY, Secretary.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 29th day of June, 1864, the several amounts set opposite the Names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Butler, Mrs S F	154	20	$4 00
Chapman, Mrs S	80	5	1 00
Clark Joseph	77	35	7 00
Dennis, J R	78	20	4 00
Gilson E	178	10	2 00
Hardy, L J	1-2	5	1 00
Johnson, Ann M	107	8	1 60
Keller, M	29	30	6 00
Lange, Elizabeth	98	5	1 00
Lange, Katrina	99	5	1 00
Lange, Eva	100	5	1 00
Lee, Andrew	17	5	1 00
Lee, Andrew	18	5	1 00
Lewald, George	33	30	6 00
Matthews, L C	34	10	2 00
Miller, J H	173	5	1 00
McComb, E C	48	10	2 00
McCorniuck, H	49	10	2 00
McNeil, P	25	50	10 00
Nolan, M	172	15	3 00
Ryland, G F	82	20	4 00
Smith, George	38	5	1 00
Smith, George	39	5	1 00
Smith, George	78	45	9 00
Snow, Ansil	142	10	2 00
Sommers, Simon	44	25	5 00
Stathoff, R	81	5	1 00
Tinkham, H	141	20	4 00
Whaleu, John	75	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st, San Francisco, on the 13th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale. N. G. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 5-3t

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 405 Front street, city and county of San Francisco.

There are delinquent, upon the following described Stock on account of assessments levied on the 2d day of November, 1863, and the 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C E Black, 1 ass't	71	50	6 25
Wm Francy, 1 ass't	24	100	12 50
O A Filbert, 2 ass'ts not issued		50	12 50
J G Hughes, 2 ass'ts	64 65 66	250	62 50
F S Lovejoy, 2 ass'ts	unissued	450	112 50
Ed Muller, 1 ass't	19 20 21 22 23 24	623¾	7 81
C B O'Bannon, 2 ass'ts	unissued	550	137 50
A H Parker, 1 ass't	18	25	3 13
I J Rolfe, 1 ass't	27	6¼	81
G W Welch, 1 ass't	32	25	3 13

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 31st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. O. DODOE, Secretary
5-4t

Copp Gold and Silver Mining Company, Sierra District, Humboldt County, N. T.

NOTICE—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Charles Jones	22	80	$80
W A Hughes	58	10	10
G S Burrage	69	5	5
Charles F Williams	81	10	10
Simeon Roseuthrall	108	10	10
Simeon Rosenthrall	107	10	10
Ewes & Nye	115	10	10
T S Mitchell	117	15	15
G H Johnson	118	35	35
Chas. Jones	123	10	10
Joseph G Cowden	127	5	5
Dr Claybourn	132	8	8
W K Spencer	89	20	20
Chas Jones	135	10	10
Chas Jones	137	10	10

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 30th day of July, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

E. X. FIELD, Secretary.

Office, 509 Clay Street, San Francisco. 3

POSTPONEMENT.—The above sale is postponed to Tuesday, the 9th day of August, 1864, at the same hour and place. By order of the Board of Trustees.

5-2t E. X. FIELD, Secretary.

Daniel Webster Gold and Silver Mining Company, Secremento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of July, 1864 an assessment of twenty cent per share was levied upon the capital stack of said company, payable on the 6th day of July, 1864, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 8th day of August, 1864, will be advertised on the 13th as delinquent, and unless payment shall be made before, will be sold on the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

JOHN J. SCOTCHLER, Secretary

Office, 204 Front Street, San Francisco, Cal.

July 6, 1864. 2-4t

Dane Gold and Silver Mining Company, Esmeralda.

Notice is hereby given, that at a meeting of the Board of Trustees of the Dane Gold and Silver Mining Company, held on the 5th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stack of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 8th day of August next, will be advertised on that day as delinquent, and unless payment be made before, will be sold on Saturday, August 20th, 1864, at 12 M., at the office of the company, to pay assessment, advertising, and expense of sale. By order of the Trustees.

EDWARD CONNER, Secretary.

Office, 607 Washington Street, July 9. 2-4t

Enterprise Copper Mining Company, Empire Ledge, Gardeu Bar District, Placer County.

Notice is hereby given, that the office or principal place of business of the above Company will be removed on the 15th day of August next, to Lincoln, Placer County.

M. O. ELMORE, Secretary.

San Francisco, July 9th 1864. Office 621 Clay street.

2-4t

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of June, 1864, an Assessment of Two Dollars per share was levied upon the Capital Stock of said Company, payable on the 28th day of July, 1864, in United States gold coin, to the Secretary, at the office of the Company, 708 Montgomery street, city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Thursday, the 1st day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, 708 Montgomery Street, San Francisco.

San Francisco, July 28, 1864. 6-5t

Enterprise Copper Mining Company, Empire Ledge, Gardeu Bar District, Placer County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessments levied on the 20th day of September, 1863, and the 12th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

ASSESSMENT LEVIED SEPTEMBER 20TH, 1863.

Names.	No. Certificate.	No. Shares.	Amt.
Thomas Donahue	66	15	$1 50
John M. Cannon	53	25	2 50
John Cochran	52	25	2 50

ASSESSMENT LEVIED MARCH 12th 1864.

Thomas Donahue	66	15	7 50
John M. Cannon	53	25	12 50
John Cochrau	62	25	12 50
Alfred Bateman	5	100	bal 30 00
	76	25	12 50
Wm Harris	6	200	100 00
	56, 57, 58, 59, 60, 61, 62, 63, each 25 shares.	200	100 00
James P Dameron	46	100	50 00
J Daly	65	10	bal 4 00
G W Mcloney	67, 69	ea 10 shs 20	bal 80
Bechler & Schwartz	90	34	bal 10 20
Abell & Evans	8, 9,	ea 100 shs 200	bal 45 50
D Eisner	10	133	bal 26 60
J Kroue	13	133	bal 39 90
V C Putnam	15	200	bal 40 00
E F White	32	100	
	33, 34, 35, 36	ea 25 shs 100	bal 50 00
P Robinson	37	100	
	38	50	
	39, 40, 41, 42 43,	ea 10 shs 50	bal 50 00
Wm Davis	51	25	bal 10 00
J E Kincaid	55	25	bal 10 00
E Livermore	87, 88	ea 50 shs 100	bal 4 00
M Berkowitz	39	50	bal 2 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 9th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale. M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 2-4t

Mr. Jarvis Jewett is our duly authorized advertising agent and collector in this city.

Eureka Mill and Mining Company, Big Creek District, Lander County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of July, 1864, an Assessment of Three Dollars and Fifteen Cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Monday, the 8th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 19th day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees. N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco.

The advertisement of stock delinquent, on the above assessment, is postponed until August 13th, 1864, and the sale thereof is postponed until August 27th, 1864. By order of the Board of Trustees. (2-5t) N. DUPERU, Secretary.

Great Western Gold and Silver Mining Company. Location, Keyes District, Mono Co., California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 25th day of July, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 20th day of August, 1864, in United States gold coin to the Secretary,

Any stock upon which said Assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 14th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. BROCK JOHNSON, Secretary.

Office, No. 28 Government House, San Francisco. 5-4t

Good Hope Gold and Silver Mining Company, Alpine District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of July, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of August, 1864, in United States Gold Coin, to the Secretary, or to H. Morris, at Markleeville.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco, 4-4t

Grosh Consolidated Gold and Silver Mining Company, Storey county. N. T.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Ray,	11	8	$1 60
J H Ray,	159	8	1 80
J H Ray,	211	6	1 20
J H Ray,	228	20	4 00
J H Ray,	229	10	3 20
G W Ryckman Jr	12	10	2 00
G W Ryckman Jr	13	10	2 00
G W Ryckman Jr	14	10	2 00
G W Ryckman Jr	15	10	2 00
G W Ryckman Jr	16	10	2 00
G W Ryckman Jr	17	10	2 00
G W Ryckman Jr	18	10	2 00
G W Ryckman Jr	19	10	2 00
G W Ryckman Jr	20	10	2 00
G W Ryckman Jr	21	10	2 00
G W Ryckman Jr	203	10	2 00
G W Ryckman Jr	204	10	2 00
G W Ryckman Jr	205	10	2 00
G W Ryckman Jr	208	10	2 00
G W Ryckman Jr	207	10	2 00
G W Ryckman Jr	208	10	2 00
G W Ryckman Jr	209	10	2 00
G W Ryckman Jr	211	5	1 00
G W Ryckman Jr	212	5	1 00
G W Ryckman Jr	213	5	1 00
G W Ryckman Jr	214	5	1 00
G W Ryckman Jr	215	5	1 00
G W Ryckman Jr	216	5	1 00
G W Ryckman Jr	217	5	1 00
G W Ryckman Jr	218	5	1 00
A H Gorley	105	3	60
J A Folger	240	10	2 00
Thos O Shaw	107	10	2 00
Thos O Shaw	108	10	2 00
Thos O Shaw	109	30	6 00
Thos O Shaw	110	7	1 40
John Johnson	111	8	1 60
John Johnson	112	8	1 60
John Johnson	113	8	1 60
J J Newsom	230	18	3 20
G Pierson	202	2	40
A Ryckman	23	10	2 00
A Ryckman	24	10	2 00
A Ryckman	25	10	2 00
A Ryckman	26	10	2 00
A Ryckman	27	10	2 00
A Ryckman	22	10	2 00
D M Hosmer	235	25	5 00
D M Hosmer	236	25	5 00
D M Hosmer	237	25	5 00
D M Hosmer	238	10	2 00
F W Willett	239	5	1 00
Wm Jackson	233	5	1 00
James Morgan	234	5	1 00

The following stock is held by certificates under the first issue, previous to the increase of capital stock, with the number of shares to which the respective holders are entitled, under the new issue, with the amounts due thereon.

Horaco Cole.	182, 183, 184, 185		
	188	8	2 40
J L Read	400	40	12 00
E W Willett	358, 359, 360, 361	6	1 80
John Gorman	362	1	30
E F Northam	377	16	4 80
J H Ray	380, 384, 385, 388	30	9 00
Mrs A M Ransom	383	14	4 20
G W Ryckman Jr	367, 364, 337		
	335	112	33 60
John Bigler	330, 329, 328, 327	8	2 40
John McHenry	no number	480	144 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company on the 3d day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHAS. H. RYDER, Secretary.

Office, No. 4, Court Block, Clay street, San Francisco. 3

POSTPONED.—The above mentioned sale is postponed until Saturday, the 13th day of August, 1864, at the same hour and place. By order of the Board of Trustees.

6 1t CHAS. H. RYDER, Secretary.

A Good Canvassing Agent Wanted at this Office, immediately, for the interior. None but an active business man with good references, need apply.

Great Western Tunnel and Mining Company, Aurora, N. T.

Notice is hereby given that a Stockholders' Meeting of the above company will be held in this city, in the office of the Company, No. 20 Exchange building, corner Washington and Montgomery streets, on Saturday, August 6th, 1864, at 2 o'clock P. M. By order of the Board of Trustees.

JOSEPH C. FORD, Secretary.

San Francisco, July 1st, 1864. 1

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 14th day of June, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the company, No. 728 Montgomery Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Saturday the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. G. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco, Cal.

N. B.—The above notice is hereby given in consequence of an error in former advertisement for the collection of the above assessment. (5.4t) N. O. FRENCH, Secretary.

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weuver District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of ten (10) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.

Office, 607 Market street, San Francisco. 4

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pais District, Marin County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of July, 1864, an assessment, No. 7, of ten cents per share was levied upon the capital stock of said Company, payable immediately, in U. S. Gold Coin, to the Secretary at his office, or to the Superintendent, Mr. H. N. KERF.

Any stock upon which said assessment shall remain unpaid on Saturday, the 20th day of August, 1864, will be advertised on that day as delinquent and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

B. ROTHSCHILD, Secretary.

4-4t Office, 622 Montgomery street, San Francisco.

Imperial Gold and Silver Mining Company, Location, San Francisco District, A. T.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the above named company, there will be sold at public auction, at the office of the company, No. 410, Montgomery street, San Francisco, on Tuesday, the 2d day of August, 1864, at 2 o'clock P. M., to the highest bidder for Cash in United States Gold Coin, so many shares of the Capital stock of said Company, standing in the names of the following persons, as will be necessary to pay the assessment now due and delinquent thereon, together with all costs accruing for advertising sale, etc.

Assessment No. 1 of 50 cents per share, Levied March 17, 1864.

Names.	No. Certificate.	No. Shares.	Amount.
John Chapman	8	15	$7 50
John Chapman	10	10	5 00
John Chapman	11	10	6 00
John Chapman	12	25	12 50
John Chapman	13	25	12 50
John Chapman	14	25	12 50
John Chapman	33	25	12 50
John Chapman	34	5	2 50
John Chapman	35	5	2 50
John Chapman	47	50	25 00
John Chapman	48	50	25 00
John Chapman	85	5	2 50
John Chapman	88	5	2 50
John Chapman	67	5	2 50
John Chapman	68	5	2 50
John Chapman	70	5	2 50
John Chapman	71	5	2 50
John Chapman	72	50	25 00
John Chapman	73	50	25 00
John Chapman	74	50	25 00
John Chapman	76	50	25 00
John Chapman	76	25	12 50
John Chapman	77	25	12 50
John Chapman	78	25	12 50
John Chapman	79	25	12 50
John Chapman	80	10	5 00
John Chapman	81	10	5 00
John Chapman	82	10	5 00
John Chapman	83	10	5 00
John Chapman	84	60	26 00
John Chapman	88	20	10 00
John Chapman	87	20	10 00
John Chapman	88	20	10 00
John Chapman	89	20	10 00
John Chapman	90	20	10 00
John Chapman	95	50	25 00
John Chapman	96	50	25 00
Rodney Clark	107	600	250 00
Rodney Clark	108	340	170 00
Charles A Hertel	17	50	25 00
Charles A Hertel	18	50	25 00
Charles A Hertel	19	50	25 00
Charles A Hertel	20	50	25 00
Charles A Hertel	21	50	25 00
Charles A Hertel	22	50	25 00
Horace Little	52	50	25 00
Horace Little	53	50	25 00
Horace Little	54	50	25 00
Horace Little	55	50	25 00
Horace Little	58	50	25 00
Horace Little	57	60	25 00
James Rea	63	50	25 00
M M Johnson	26	10	5 00
P Ford	30	25	12 0
M Parker	32	25	12 50
L Teese Jr	108	5	2 50
J T Godfrey	123	5	2 50
A E Tiffany, stock not issued		300	150 00

L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street, Room No. 6. 2-4t

POSTPONEMENT.—The above sale is postponed until Friday August 12th, 1864, at the same hour and place. By order of the Board of Trustees. L. B. WOOSTER, Secretary.

6-1t

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory. Office, No. 623 Clay street, San Francisco, California, July 23d, 1864.

Notice is hereby given that in accordance with an order duly made by the Board of Trustees of the Illinois Gold and Silver Mining Company, there will be sold at public auction by Jerome Rice and Co., at their salesroom, No. 327 Montgomery street, San Francisco, on Monday, August 29th, 1864, at 12 o'clock M., to the highest bidder for cash, in gold coin, so many shares of the Capital Stock of the said company, standing in the names of the hereinafter mentioned stockholders, as will be necessary to pay all assessments now delinquent thereon, together with costs of advertising, and all accruing charges, unless previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
Morgan Richards,	9	100	$100 00
Thomas Waters,	65	83	bal 62 00
N T Carpenter,	54	10	10 00
G L Johnson,	67 68	15	15 00
John Jones,	92	101	101 00

By order of the Board of Trustees.

5-5t B. W. MUDGE, Secretary.

Illinois Gold and Silver Mining Company, Smoky Valley District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to Ralph Brown, Superintendent, Carson City, Lander County, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 2d day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. A. WHEELER, Secretary.

Office, No. 1 and 2, Government House, corner Sansome and Washington streets. 3-4t

Kelsey Gold and Silver Mining Company, Kelsey District, El Dorado County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 27th day of July, 1864, an assessment of ten cents per share was levied upon the capital stock of said Company, payable on the 28th day of July, 1864, in United States gold coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday 10th the day of September, 1864, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees.

S. C. GARDNER, Secretary.

Office, 605 Sacramento street, First door West of Montgomery street, up stairs. 5-4t

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees said Company, held on the 23d day of July, 1864, an assessment of 50 cents per share was levied upon the Capital stock of said Company, payable on the 25th day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the Company, No. 25 Montgomery Block, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday the 16th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. F. G. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 5-4t

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander Co. N. T.

There are delinquent upon the following described stock, on account of assessment number one, levied November 17, 1863, and assessment number two, levied March 21st, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Cert.	No. Shares.	Amt.
John Ridgeway.	1, 3, 4, 6, 6, 7, 8, 9, 10, 11, 12, 13, 14,	111¼	$74 00
William Terry,	15, 16, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,	108⅝	54 35
Geo. L. Hendricks,	56	8¾	4 38
C S Johnson,	61	10	5 00
A Hartman, Sr.	93	10	6 00
Elizabeth Hartman.	78	5	2 50
Michael Widrow, 79, 80, 81. 82		87½	43 75
Robert Hutchinson,	not issued	10	10 00
W W Hartman,	not issued	40⅝	40 63
John McBrown,	not issued	43¾	43 75
H H Pearson.	not issued	21⅞	21 88

And in accordance with law and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the company, No. 26, Montgomery Block, in the city of San Francisco, on the 6th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessments thereon, together with the costs of advertising and expenses of sale.

F. O. APPLETON, Secretary.

Office, No. 26 Montgomery Block. 1-4t

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, or to J. H. Cassidy, at the mine.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be declared delinquent, and advertised as such on Saturday, August 27th, 1864, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEOAR, Secretary.

Office, No. 322 Front street, San Francisco. 5-4t

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an Assessment of five dollars per share was levied upon the Capital Stock of said Company, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, August 20th, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

4-4t LAWRENCE C. OWEN, Secretary.

La Traviata Gold and Silver Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of, July, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 3-4t

Lady of the Lake Guld and Silver Mining Company, San Francisco District, Arizona Territory.

Notice is hereby given, that in accordance with law and an order of the Board of Trustees, there will be sold at public auction, at the office of the company, No. 302 Montgomery street, San Francisco, on Thursday, August 25th, 1864, at 10 o'clock A. M., to the highest bidder for cash, so many shares of the capital stock of the Lady of the Lake Gold and Silver Mining Company, standing in the names of the following persons, as may be necessary, to pay the assessment due thereon, together with expenses of advertising and sale, unless the said assessment and charges are previously paid, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
P B Fagan,	35 36 37 38 39 40 41 42 44	90	$45 00
E M Hall,	2 59	130	65 00
W M Allca,	not issued	190	95 00
H M Cox	47	20	10 00
C G Webster,	55	100	50 00
*C W C Rowell,	7 8 9 15 16 21	bal 115	67 50
*William Packurd,	45	50	25 00

—*Assigned to other parties but not transferred.

4-4t WM. HOLLIS, Secretary.

Leland Gold and Silver Mining Company, San Francisco District, Arizona.

Notice—There are delinquent upon the following described stock on account of Assessment No. 1 of 50 cents per share levied January 5th 1864, upon each and every share of the capital stock of the above named company, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Samuel L Theller,	23 45-50 ea	100	$50 00
Samuel L Theller,	67 68-20 ea	40	20 00
C E Levan,	56	20	10 00
E M Hall,	65	130	65 00
P B Fagan,	34	50	25 00
P B Fagan,	40 41 42 43 44-10 ea	50	25 00
W M Allen,	not issued	190	95 00
L P Ward,	74	40	20 00
C W C Rowell,	4	100	50 00
C W C Rowell,	12 15 16 17-10 ea	40	20 00
C W C Rowell,	18	15	7 50

And in accordance with the laws of the State of California, and the order of the Board of Trustees of said company made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 529 Clay street, San Francisco, on Friday, August 26th, 1864, at the hour of 12 o'clock M. of said day, payable in United States gold coin, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. By order.

(4-5t) THEO. A. MUDGE, Secretary.

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an Assessment of five dollars per share was levied, payable in United States gold coin, and that at a meeting of the Board of Trustees of said company, held on the 11th day of July, 1864, it was ordered that said assessment should be payable on the 13 day of August, 1864, to the Secretary, at the office of the Company, No, 433 Montgomery street, city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 29th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, 433 Montgomery street, in the city and county of San Francisco. 3-4t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 9th day of July 1864, an Assessment (No. 13) of $1 per share was levied upon the capital stock of said Company, payable immediately, in United States currency, to the Secretary, at his office in San Francisco.

Any stock upon which said assessment shall remain unpaid on the 11th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. A. G. WOOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 3-4t

Oxford Beta Tunnel and Mining Company, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an Assessment of fifty (50) cents per share was levied upon the capital stock of said Company, payable on the 12th day of July, 1864, in United States gold coin, to the Secretary, at his office, or to Thomas Lytle, Superintendent, at Aurora, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 3-4t

Ossipee Gold and Silver Mining Company, El Dorado County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of five cents per share was levied upon the capital stock of said Company, payable in United States gold coin; and that at a meeting of the Board of Trustees of said company, held on the 26th day of July, 1864, it was ordered that said assessment should be payable on the 26th day of July, 1864, to the Secretary at the office of the company, No. 708 Montgomery Street, city and county of San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 13th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, 708 Montgomery street, city and county of San Francisco. 5-4t

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of one dollar per share was levied upon the assessable stock of said Company, payable on the 24th day of July, 1864, in United States coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, 411 Clay Street, San Francisco. 5-4t

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of five dollars per share was levied upon the Capital stock of said Company, payable immediately, in United States gold Coin, to the Secretary at his office, or to the Superintendent R. R. Moss, at Virginia City.

Any stock upon which said assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. J. J. TREADWELL, Secretary.

Office, No. 626 Montgomery street, San Francisco. 5-4t

Pena Silver Mining Company, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of three dollars per share was levied upon the assessable stock of said Company, payable on the 22d day of July, 1864, in United States Coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday the 20th day of August, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday, the 3d day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, 411 Clay Street. 4

Point Arena Petroleum Mining Company.

The Stockholders of the Point Arena Petroleum Mining Company are hereby notified that, by order of the Board of Trustees, there will be a meeting of the Company held at the Secretary's office, Room 28 Government House, corner Sansome and Washington streets, San Francisco, on the ninth day of August, 1864, at 7½ o'clock, P. M. A full representation of stock is requested, as important business is to be transacted. Attest, D. S. CUTTER, Secretary.

San Francisco, Cal. July 7th, 1864. 2-5t

Queen of Antilles Consolidated Gold and Silver Mining and Tunnel Company, Reese River, Lauder county, N. T.

Notice.—There are delinquent upon the following described stock, on account of assessment No. 1, levied on the 9th of January, 1864, of five cents per share; No. 2, twenty-five cents per share, levied on the 30th of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Reamer,	22 to 31	90	$22 50
Miron Pixley,	59 to 67	90	22 60
J Davis,	91 to 96	81	20 25
J W Denison,	37 to 48	75	18 75
P J Nolan,	97 to 99	45	13 50
C F Myers,	100 to 119	263	78 90
B Littlefield,	120 to 139	271	81 30
G Litchell,		90	27 00
H Harps,	190, 140 to 158	250	75 00
J L Snyder,	158 to 163	90	27 00
Geo Bortle,	5, 7, 8, 10, 11, 12	61	15 25
C McKlvy,	53, 54, 55	67	16 75
W H Head,	56, 57, 58	45	11 25
T Green,	89, 90	90	22 50
J P Boyce,	73	9	2 70
J C Triblehone,	22	20	5 00
C K Helfrich,	20, 21	10	2 50
J H Long,	32	10	2 50
W P Winham,	34	10	2 50
J G Denison,	35	6	1 50
G R Baker,	4	3	75
S S Hussey,	14	5	1 25
R A Frazer,	15	3	75
T W Hollingsbead,	68, 69. 70	40	10 00
W H Estus,	71 to 74	25	6 25
J Stolla,	75 to 77, 79, 82. to 84	86, 88	107	26 75
T C Wales, Jr.	51, 52	25	6 25
J M Denison,	36	50	12 50

And in accordance with law and an order of the Board of Trustees made on the 29th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction for United States coin, at the Office of the Company, on the 2d day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessmeat thereon, together with costs of advertising and expenses of sale. G. B. LARRABEE, Secretary.

5-4t Office, 528 Clay street, San Francisco, Cal.

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

Quartz Hill Gold Mining Company, Placerville, El Dorado County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 23d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
G Hayward,	not issued	100	$40 00
W A Quaries,	13 14—ea 50	100	40 00
J P Davis,	not issued	40	bal 16 00
R A Davis,	not issued	110	44 00
Merrit Wilton,	not issued	200	80 00

And in accordance with law, and an order of the Board of Trustees, made on the twenty-third day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the company, No. 623 Montgomery street, San Francisco, California, on Wednesday, the 10th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623, Montgomery Street, San Francisco, California. 4

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 29th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
J P Davis,	13	10	$4 00
J P Davis,	15	5	2 00
J P Davis,	19	5	2 00
J P Davis,	79	10	4 00
W L Hutchinson,	24	5	2 00
W L Hutchinson,	26	5	2 00
W L Hutchinson,	28	10	4 00
W L Hutchinson,	31	25	10 00
W L Hutchinson,	32	25	10 00
Andrew Hutchinson,	96	25	10 00
F R Baby,	48	25	10 00
F R Baby,	49	25	10 00
F R Baby,	50	25	10 00
F R Baby,	51	25	10 00
A D Allen,	52	50	20 00
A D Allen,	53	20	8 00
A D Allen,	54	20	8 00
A F Mitchell,	59	25	10 00
A F Mitchell,	60	10	4 00
A F Mitchell,	61	15	6 00
M Wilton,	72	50	20 00
E Ruodell,	73	50	20 00
C W Brown,	82	45	18 00
F Mayo,	56	10	4 00

And in accordance with law and an order of the Board of Trustees, made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 623 Montgomery st., San Francisco, California, on Friday the 19th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 5-3t

Rose Matilda Mining Company,
Charter Oak Mining Company,
North Star Mining Company,
Diamond Mining Company, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Companies, held on the 9th day of July, A. D. 1864, an Assessment (No. 3) of ten cents was levied upon each and every assessable share of the capital Stock of each of said Companies, payable immediately in United States gold or silver coin, to the Secretary, at his office in San Francisco.

Any stock upon which said Assessments shall remain unpaid on the Eleventh day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 27th day of August, 1864 to pay said delinquent Assessments, together with costs of advertising and expenses of the sale.

A. O. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner Pine. 3-4t

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment No. 3, levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows, being $1.50 per share:

Names.	No. Certificate.	No. Shares.	Amount.
Geo Brown,	10	50	$75 00
Geo Brown,	22	50	75 00
R Hughes,	11	75	112 50
W Wainwright,	23	90	135 00
W Schudt,	24	100	150 00
J S Scott,	25	80	120 00
Mrs W Wainwright,	26	100	150 00
Jas P Clough,	14	25	37 50
Jas P Clough,	15	25	37 50
Jas P Rogers,	8	20	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of John Middleton & Son, N. E. corner Montgomery and California streets, San Francisco, on Saturday the 13th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

SAM. P. HOWES, Secretary.

Office, Nos. 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 5-2t

Sisters Gold and Silver Mining Company, Angusta District, Lander county, N. T. Office, 406 Front street, city and county of San Francisco.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 17th day of October, 1863, and 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Abraham Bryant	2 ass'ts, 61 62 64 85 97 103 104	94½	$28 35
W J Davis,	1 ass't	34	62½	9 37
J S Hughes,	do 81 82 83	575	86 25
Wm O M Janson	do	76	50	7 50
Ed Muller,	do 20 21 22 23	37½	6 63
Frank Melville,	2 asst's unissued	250	75 00
A H Parker,	1 ass't 9 11	60	9 00
T J Rolfe	do 24 25 27 28	100	15 00
G W Welch,	do 30	25	3 75
C Winter,	do 69		1 88
Wilson Brown,	77	200	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, city and county of San Francisco, on the 31st day of August, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. C. DODGE, Secretary.

5-4t

Standard Gold and Silver Mining Company, Amador Mining District, Lander County, Nevada Territory.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees, there will be sold at public auction, by Cobb & Sinton, No. 406 Montgomery street, San Francisco, on Monday, August 22d, 1864, at 12 o'clock M. of that day, to the highest bidder for cash, in United States gold coin, so many shares of the capital stock of the above named company, standing in the names of the following shareholders, as will be necessary for the payment in full of assessment No. 1, duly levied February 24th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
W J Paugh,	not issued	100	bal due $120 00
C M Bennet,	not issued	80	
	32	10½	bal due 176 13

By order of the Board of Trustees.

F. S. CARTER, Secretary.

Office, 623 Washington street, San Francisco. 4-4t

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 13th day of July, 1864, an assessment (No. 7) of $1 per share was levied upon the Capital Stock of said company, payable immediately, in gold coin of the United States of America, to the Secretary, at the office of the company, 627 Clay street, in the city of San Francisco, California, or to J. H. Bradley, Esq., at Pine Grove, Amador county, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 3-4t

Well Partridge Mining Company, Weaver District, Weaver's Placer Diggings, Arizona Territory.

Notice.—There are delinquent, upon the following described stock (of said company), on account of assessment No. 1, levied on the 6th day of January, and assessment No. 2, levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders as follows, viz:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Asquith,	ass't 1 & 2 not issued	15	$2 75
Wm Asquith,	do do	45	11 25
H Bennison,	ass't 2	26	50	6 25
H Bennison,	do 27	50	6 25
H Bennison,	do 28	25	3 12
H Bennison,	do 29	25	3 12
Hugh Carlan,	do 45	10	1 25
E Draddy,	da 3	5	62
W B Gereau,	do 62	20	2 50
W B Gereau,	do 63	20	2 50
W B Gereau,	do 64	20	2 50
W B Gereau,	do 65	20	2 50
W B Gereau,	da 67	20	2 50
W B Gereau,	do 68	20	2 50
W B Gereau,	do 69	10	1 25
Wm Hunt,	ass't 1 & 2	16	10	2 50
D B Harrison,	do 2	86	75	11 25
Benj Lewis,	do 1 & 2 not issued	45	11 25
G A Lloyd	do 2	81	25	3 12
T E Marchant,	do 1 & 2 not issued	65	16 25
T E Marchant,	do do	25	6 25
Wm McGowan,	do	14	10	2 50
Wm Watsou McGowan assessments 1 & 2		15	10	2 50

And in accordance with law, and an order of the Board of Trustees of said Well Partridge Mining Company, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, to the highest bidder for cash (in United States Gold and Silver Coin), at the salesroom of Messrs. Jerome Rice & Co., No. 327 Montgomery street, San Francisco, State of California, on Saturday the 27th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. MARSHALL WINN, Secretary.

Office, No. 430 Montgomery street, Room No. 5, up stairs, San Francisco, California. 5-4t

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of July, 1864, an Assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in U. S. gold coin, to the Secretary, or to J. M. Pike, Superintendent, at Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 3-4t

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of July, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable on the 16th day of July, 1864, in United States gold coin, to the Secretary, at his office, No. 605 Sacramento street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Wednesday, the 17th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. C. GARDNER, Secretary,

Office, 605, Saeramento Street, San Francisco.

Postponement.—The advertisement of delinquent stock on the above assessment, is postponed until August 20th, 1864, and the sale thereof is postponed until September 3d, 1864. By order of the Board of Trustees.

3-5t S. C. GARDNER, Secretary.

Warfield Mining Company, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 25th day of June, 1864, an Assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately to Thatcher Ross, Gold Hill, Placer County, or to the Secretary at the office of the Company in San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 6th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 22d day of August, 1864, to pay the delinquent Assessment, together with costs of Advertising and expenses of the Sale. R. K. ALLEN, Secretary

Office, No. 16 Metropolitan Block. 1-5t

New This Week.

Clinton Gold and Silver Mining Company,
Reese River District, Lander County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 2d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Nomes.	No. Certificate.	No. Shares.	Amount.
Adolph, J J	10	10	$2 50
Agrell, A	3	5	1 25
Bivens, A	not issued	25	12 50
Bowley & Co.,	7	7	1 75
Dibble, A B	14	12	3 00
Dodge, N	8	10	2 50
Faris, James	36	100	12 50
Hereford, R H	26	5	1 25
Jewett, Wm	27	10	2 50
Matteer, J M	28	10	2 50
O'Brien, B M	6	5	1 25
Ormsby, J H	25	5	1 25
Oversliner, G W	19	10	2 50
Sparks, D K	22	25	6 50
Sparks, D K	23	59	15 00

And in accordance with low, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Edw. S. Spear, No. 433 California St., in the city of San Francisco, on the 26th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. G. APPLETON, Secretary.

Office, No. 25 Montgomery Block, San Francisco. 6-3t

Fortana Gold and Silver Mining Company,
Reese River District, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 7th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
I J Rolfe,	10	10	$10 00
I J Rolfe,	11	10	10 00
I J Rolfe,	12	5	5 00
J B Richmond,	50	20	20 00
Sol Lewis,	52	75	75 00

And in accordance with law and an order of the Board of Trustees, so many shares of each parcel of said stock as may be necessary, will be sold at the office of Messrs. Goldsmith Bros., 422 Montgomery street, on the 29th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. JOHN DUNN, Secretary.

Office, 723 Montgomery street, San Francisco. 6-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 1st day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States coin, to the Secretary, at the office of the company.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay Street, San Francisco. 6-4t

Holcombe Gold and Silver Mining Company,
Reese River District, Lander County, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and the by-laws of this company, there will be sold at public auction for cash in United States gold coin, on Monday, September 5th, 1864, at 11 o'clock A. M., of that day, by Cobb & Sinton, 406 Montgomery street, San Francisco, so many shares of the capital stock, standing in the names of the following persons, as will be necessary for the payment of assessment No. 1, duly levied January 8th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
S E Kiler,	19 20 21 22 23 24 25	100	$100 00
John Rosseter,	26 27 28 29	50	50 00
A J Hendricks	35 37 38 39 40	100	100 00

By order of the Board of Trustees.

JOHN A. LEDDEN, Secretary.

Office, 623 Washington street, San Francisco. 6

Honest Miner No. 2 Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of 62½ cents per share was levied upon, the capital stock of said company, payable on the 6th day of August, 1864, in United States gold coin, to the Secretary or to EDWARD MULLER, Austin, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of Board of Trustees. JOHN DUNN, Secretary.

Office, 723 Montgomery Street, Room No. 4, San Francisco. 6-4t

La Libertad Gold and Silver Mining Company,
Cachachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollor per share, was levied upon the Capital Stock of said company, payable in three (3) equal instollments of 33⅓ cents each; the first payable on the 27th day of July, 1864, in United States gold coin, to the Secretary, and the balance in every fifteen days thereafter.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the board of Trustees. WILLIAM VALE, Secretary.

Office, 55 & 56 Exchange Building, northwest corner of Montgomery and Washington streets, San Francisco. 6-4t

Palmyra Consolidated Gold and Silver Mining Company.

NOTICE.—The annual meeting for the election of Trustees for the ensuing year, and the transaction of other business, will be held at the office of the company, 525 Clay street, San Francisco, August 22d, 1864, at 7½ o'clock P. M.

6-2t C. W. HAYDEN, Secretary.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Fairview Copper Mining Company, Calaveras County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. WILMOT, Secretary.

Office, 537 Washington street, San Francisco. 6-5t

Simpson & Bosselle Mining Company.—Mines Located in Carson Valley District, N. T.

NOTICE.—There are deliuquent upon the following described stock, on account of assessment levied on the 30th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares	Amount.
Anderson, J B	217	10	$3 00
Andrews, Curtis	219	10	3 00
Ahlers, J H	213	5	1 50
Bouney, O	30 31-ea 25	50	15 00
Bonney, O	32 34-ea 10	20	6 00
Rouney, O	146	8	2 40
Bonney, O	210	5	1 50
Boyle, Peter	158	10	3 00
Bateman, A L S	133	10	3 00
Brannan, Alex	168	10	3 00
Bowker, C C	184	10	3 00
Blum, Isaac	192	5	1 50
Blum, Isaac	232	10	3 00
Burnell, R	207	10	3 00
Bedell, M B	202	5	1 50
Bedell, B N	223	10	3 00
Bausman, Adam	257	15	4 50
Burgess, Alfred	260	10	3 00
Bowdle, Henry	267	5	1 50
Clark, E A	160	5	1 50
Clark, E A	204	5	1 50
Chevallier, L E	167	5	1 50
Chevallier, Margorot	174	3	90
Crisman, C L	185 186-ea 10	20	6 00
Crisman, C L	187	5	1 50
Cagwin, H A	189	5	1 50
Downing, Wm H	155	10	3 00
Downing, Wm H	164	15	4 50
English, James	248	5	1 50
Eckler, J A	275	10	3 00
Esty, M A	276	10	3 00
French, W H	66 67-ea 25	50	15 00
French, W H	68 59 225 227-ea 10	40	12 00
French, W H	228 229 230 231-ea 5	20	6 00
Feisentbal, P	128	5	1 50
Fitch, H A	134	5	1 50
Fitch, Mrs H A	135	5	1 50
Funk, Benj	190	10	3 00
Fischer, Theodore	271	5	1 50
Fischer, Theodore	273	10	3 00
Fulton, John	279	5	1 50
Grinage, F W B	153	5	1 50
Goff, Hannah J	278	5	1 50
Goff & Robinson, inclusive, each 5 shares	280 to 285	30	9 00
Goff & Robinson, inclusive, each 5 shares	287 to 295	45	13 50
Heinze, Rodolia	272	5	1 50
Harter, D	270	15	4 50
Hogle, C T	237	10	3 00
Hartwell, C N	148 149 150-ea 5	15	4 50
Hudson, John G	183 205-ea 5	10	3 00
Ivens, C H	299	10	3 00
Jackson, W T	159	7	2 10
Jaakson, W T	166	5	1 50
Jordon, Joseph	266	5	1 50
Keith, Wm H	127	10	3 00
Lambert, Henry	151	3	90
Lubin, R D	143	10	3 00
Lockwood, T	298	10	3 00
Laggard, J A	217	10	3 00
McConkey, S	274	5	1 50
Moore, C	300	10	3 00
Marpe, W F	268	5	1 50
Mauk F	202	10	3 00
Manley B	135 136-ea 10	20	6 00
Monley, B	137	5	1 50
Murray, James	156	10	3 00
Morgan, John A	145	2	60
Maxson, W B	142	10	3 00
Nichols,	19 20-ea 50	100	30 00
Nichols,	21 22-ea 25	50	15 00
Nichols,	25 26 27-ea 10	30	9 00
Newman, Simon	191	5	1 50
Neff, Jerome	220	5	1 50
Oakley, Henry	154	12	3 60
Organ, Thos J	206	5	1 50
Perry, Chester	296	5	1 50
Perry, Anson	297	5	1 50
Pearson, R C	265	10	3 00
Parker, J W	204	20	6 00
Parker, J W	263 264-ea 25	50	15 00
Packard, Fred	224	5	1 50
Palmer, E C	215	15	4 50
Payne, G G	182	25	7 50
Rogers, J H	195 196-ea 20	40	12 00
Rogers, J H	197	30	9 00
Robinson, Samuel	199	10	3 00
Schlecht, Martin,	212	10	3 00
Spear, Asa	221	5	1 50
Seely, J	303	5	1 50
Simpson, Edwin	233	10	3 00
Simpson, Edwin each 100 shares	73 75 70	300	90 00
Simpson, Edwin	78	25	7 50
Simpson, Edwin	80 172-ea 10	20	6 00
Simpson, Edwin	239 240 241 242-ea 5	20	6 00
Simpson, Edwin	243 244-ea 5	10	3 00
Simpson Edwin	245	10	3 00
Simpson, Edwin	246	11	3 30
Sigsbee, J L	302	5	1 50
Timson, Wm	254	5	1 50
Tibbetts, Wm	161	5	1 50
Tibbetts, Wm	163	15	4 50
True, J M	55 56-ea 50	100	30 00
True, J M	57 58-ea 25	50	15 00
True, J M inclusive each 10 shares	59 to 63	50	15 00
Van Every, A J	1	50	15 00
Van Every, A J	5	10	3 00
Van Every, A J	238	5	1 50
Wright, Nellie B	173	5	1 50

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on Wednesday the 17th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office 302, Montgomery Street, San Francisco. 6

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-m

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. A. RUST, Secretary.

Office, 212 Colifornio street, San Francisco. 6-4t

Teutonia Mining Company, San Miguel District, California. Office, No. 528 Clay street, San Francisco.

Notice is hereby given that in accordonce with the laws of the State of California, and an order duly made by the Board of Trustees of the Teutonia Mining Company, there will be sold, at public auction, at the office of the company No. 528 Cloy street, on Saturday, August 20th, 1864, at eleven o'clock A. M. of that day, to the highest bidder for cash in United States gold coin, so many shares of the capital stock of said company, standing in the names of the following shorcholders, as will be necessary to pay the assessments duly levied thereon, and now being due and unpaid, together with expenses of advertising and sale, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
L Crampton	26	25	$6 25
P B Oppenheim	75	50	12 50
P B Oppenheim	76	24	6 25
P B Oppenheim	77	10	2 50
P B Oppenheim	79	10	2 50
P B Oppenheim	80	10	2 50
P B Oppenheim	81	5	1 25
P B Oppenheim	83	5	1 25
P B Oppenheim	84	7	1 75
L Emmanuel	137	50	12 50
Julia Figel	not issued	10	2 50
D Mandel	74	5	1 25
H Cohen	1	50	12 50
H Cohen	2	20	5 00
H Cohen	3	10	2 50
H Cohen	4	10	2 50
Adolph Warnor	20	20	5 00
Adolph Warner	21	20	5 00
Adolph Warner	22	20	5 00
Adolph Warner	23	10	2 50
Adolph Warner	24	10	2 50
Adolph Warner	25	10	2 50
M Meyo	not issued	50	12 50
M Simonsen	7	50	12 50
M Simonsen	8	20	5 00
M Simonsen	9	10	2 50
M Simonsen	10	10	2 50
M Simonsen	12	5	1 25
B Joseph	138	50	12 50
W Shahn	47	5	1 25
Carrie Simons	51	5	1 25
Corn's Stagg	50	5	1 25
S Figel	57	5	1 25
A L Thiele	90	25	6 25
A L Thiele	91	30	7 50
Mrs M T Farrell	96	2	50
Mrs M T Farrell	127	5	1 25
A Levy	102	100	25 00
A Levy	103	25	6 25
A Levy	104	25	6 25
A Levy	105	10	2 50
A Levy	106	10	2 50
A Levy	107	10	2 50
A Levy	108	10	2 50
A Levy	109	10	2 50
A Levy	110	10	2 50
A Levy	112	5	1 25
A Levy	113	5	1 25
A Levy	114	5	1 25
A Levy	115	5	1 25
A Levy	116	5	1 25
A Levy	117	5	1 25
A Levy	129	1 13	33
M Hyamson	123	10	2 50
M Hyamson	150	5	1 25
C Woolff	124	50	12 50

By order of the Board of Trustees.

T. A. MUDGE, Secretary.

Office, 528 Clay street, San Francisco, August 6, 1864. 5

Warfield Mining Company, Placer County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Humphreys	3	100	$15 00
Joseph Wells	7	50	7 50
C D Smith	12	200	30 00
F C Nunnelly	15	100	15 00
Perry Clark	16	50	7 50
G G Brown	18	50	7 50
H W Starr	19	200	30 00
Hall & Allen	22	400	60 00
S Howard	23	200	30 00
B N Bugby	27	25	3 75
A Spinks	30	25	3 75
B F Bates	32	25	3 75
Fauness & Farmer	33	25	3 75
E Sylvester	34	100	15 00
Harvey Rice	44	50	7 50
N D Day	45	50	7 50
Rufus Smith	46	25	3 75
Alexander Mills	35	100	15 00
Amos M Smith	47	100	15 00
S McWilliams	51	25	3 75
A C Gordan	52	25	3 75
A D Whitney	53	25	3 75
C Holland	54	25	3 75
B F Glidden	55	200	30 00
F B Higgins	30	20	3 00
F B Higgins	37	20	3 00
F B Higgins	38	10	1 50
F B Higgins	39	10	1 50
F B Higgins	40	10	1 50
F B Higgins	41	10	1 50
F B Higgins	42	10	1 50
F B Higgins	43	10	1 50

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 22d day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

R. K. ALLEN, Secretary.

Office, No. 15 Metropolitan Block. 6-3t

A Daily Reporter of the Fair.

We shall publish a daily issue in the approaching Mechanics' Institute Industrial Exhibition, illustrating the progress of the Fair by cuts and drawings and carefully written descriptions of the various inventions and articles displayed. An opportunity will thereby be offered to advertisers for bringing their inventions and business notices prominently before the visitors of the fair. **DEWEY & CO.,**

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Bcangel.*

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, AUGUST 13, 1864.

VOLUME IX. Number 7.

Contents of Present Number.

☞ For New Mining Advertisements see last page. ☜

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IMPROVING.—Evidences of improvement are beginning to appear in most parts of the State and adjoining territories. Our exchanges, especially those in California, as will be seen by our unusually full report, for the present week, from our home mines, exhibit unmistakeable symptoms of returning prosperity. Large numbers of miners, who, under the influence of the late unhealthy excitement, had wandered into distant regions to better their fortunes, are now returning, satisfied to sit down once more at their old quertors, and let well enough alone. The consequence is, renewed activity in many localities but recently almost deserted. The dryness of the season, although operating very much to the disadvantage of the placer miners and ranchmen, is nevertheless opening up the river beds to a more thorough and ready working than they have ever before received. The same cause is also materially aiding in the development of quartz mines, not only in pushing forward the old lends, but in the discovering of new ones. Never, in the known history of the country, have the California rivers been so low as they are the present season, or offered such facilities for a thorough exploration of their beds. As an indication of the extremely low stage of the springs and water courses, it is stated that there is less water in the Sacramento river than was ever before known, and navigation above Sacramento is difficult in the extreme; indeed, so low is the water that navigation to Marysville will have to be suspended at an early day, and the town of Eliza once more made the head of navigation.

THE CHLORINE PROCESS.—The Rocky Mountain *News* appears to think that in a recent article we doubted the success of the chlorine process as proposed to be introduced at Pike's Peak, by Messrs. Keith & Co. Not at all. Accepting the conditions premised by Messrs. Keith & Co., we fully believe not only in the success of the process there, but freely admit that it is the very best, and only thorough process by which the precious metals can be extracted from the sulphuret ores of the Colorado. Our doubts were clearly expressed as applicable only to such ores as contained but a small percentage of sulphurets, or where the materials for manufacturing the gas were only to be had at a great cost. We expect and shall be happy to hear of the most complete success of the chlorine process at Pike's Peak.

WONDERS OF CREATION.—The microscope, among many other useful things has revealed the fact that the atmosphere which is charged with marsh miasms, in almost all low lands, abounds with a living microscopical insect, so small that it requires a pile of 13,000 of them to form a speck large enough to be seen by the naked eye! It is supposed that fever and ague, and other diseases peculiar to such localities are attributable to the inhalation of these insects into the lungs and their passage thence into the blood of the human system. They are supposed to be reproductive in the blood, and hence the long continued and remote effects, noticeable from a long residence in such exposure. These insects are perfect in form, and much resemble those abounding in fermentative poisons, such as the virus of rabies, and the virus derived from dead bodies, etc. In some cases, as in those last mentioned, these infinitessimals reproduce themselves with great activity, operating upon the mass with which they are mixed, much like yeast in flour, where a very small quantity impregnates the whole mass. The microscope furthermore reveals the fact that yeast itself is but a forest of minute vegetation, which grows, blossoms goes to seed and reproduces in a space of time measured by moments only. And more than this, it is believed that these microscopic forests are actually enlivened during the same time by minute animalculæ—animals proportioned to the forests in which they roam! There appears to be no more limit to the revelations of the microscope, in the minutiæ of creation, than there is to the grander developments of the telescope as, with the growing perfection in its manufacture, we continue to penetrate further and further into the illimitable bounds of celestial space.

THE HOSSEFROSS MONUMENT.—The contract for getting out the marble for the Hesefross monument has been given to the California (Indian Diggings) Marble Company. This monument is to be 22 feet high, and judging from the drawing before us, will be most beautiful in form and proportions. The base will be of granite; the plinth will be 5 feet, 6 inches square, by 13½ thick; the die, 3 feet high, by 4 feet, 9 inches square; the base 4 feet square, by 1 foot, 9 inches high. The shaft will be 14 feet, 9 inches high and 2 feet 9 inches square at the base, by 1 foot, 7 inches at the apex. The front of the shaft will be ornamented with a pair of inverted speaking trumpets, crossed, and encircled by a wreath. The name of the deceased with a proper inscription will be cut in the die.

THE CHRISTIAN COMMISSION* FAIR.—The managers of the Ladies' Christian Commission Fair have decided to hold their Fair entirely separate from that of the Mechanics' Institute. It will be held in Union Hall, on Howard street, and will probably commence about the 26th inst. It is to be hoped that each fair will receive its legitimate patronage, and do well. Both are certainly deserving of the fullest success.

GEOLOGICAL SPECULATIONS.—Prof. Agassiz in the *Atlantic Monthly*, comes to the conclusion that the continent of North America was at one time covered with ice a mile in thickness. The proof is, that the slopes of the Alleghany range of mountains, are glacier worn to the very top, except a few points which were above the level of the icy mass. Mount Washington, for instance, is over six thousand feet high, and the rough unpolished surface of its summit, covered with loose fragments, just below the level of which glacier marks come to an end, tell us that it lifted its head alone above the waste of ice and snow. In this region, then, the thickness cannot have been much less than six thousand feet, and this in keeping with the same kind of evidence in other parts of the country; for wherever the mountains are much less than six thousand feet high, the ice seems to have passed directly over them, while the few peaks rising to that hight are left untouched. The glacier, he argues, was God's great plow, and when the ice vanished from the face of the land, it left it prepared for the hand of the husbandman. The hard surface of the rocks was ground to powder, the elements of the soil were mingled in fair proportions, granite was carried into the lime regions, lime was mingled with the more arid and unproductive granite districts, and a soil was prepared fit for the agricultural uses of man. Evidences are all over the polar regions to show that once the heat of the tropics extended all over the globe. The ice period is supposed to be long subsequent to this, and next to last before the advent of man.

THE PAVILION AND FAIR.—The Pavilion is nearly completed. The magnificent dome has been raised to its proper position; the walls of the main building are all up, and the wide area of floor nearly finished. Workmen are now engaged in the finishing work of the front, making doors, clearing up rubbish, etc., etc. The building will soon be ready for the reception of goods for exhibition.

The managers of the Fair desire it to be distinctly understood that articles for exhibition are received from all persons alike, and that none are excluded from competition for premiums. The State Agricultural Society gives no premiums save to members; in the Industrial Fair no such distinction is made. The Fair is not exclusively mechanical. A large department is set aside for agricultural articles. Fruit, wine, grain and garden vegetables are as acceptable as steam engines or amalgamating pans. Considerable quantities of fine fruit are expected from the Sacramento Valley and the mountains. There is to be no State Fair this year, and San Francisco is undoubtedly the best place for exhibiting any article in the State this year. The concurrence of the Fair of the Christian Commission with the Industrial Fair will no doubt attract an unprecedented number of strangers to the city.

By reference to our advertising columns it will be seen that notice is given that the Executive Committee will be prepared at the Pavilion to receive goods intended for exhibition, on the 22d inst., and that none will be admitted after the 31st.

New Theory of a Limitless Atmosphere.

Descartes advanced the theory that matter was limitless, and that the earth whirled round centers of attraction which formed more or less complex systems. Newton overthrew this theory by his theory of gravitation, and denying that matter was limitless, he contended that space was filled with a sort of ether, which was a sort of non-resistant something, but was not quite a vacuum. Dr. Hoefer has recently advanced a new theory upon this subject. I quote his own words: "Those persons who have studied the figure of the earth contemplated only its tangible mass; although air is as much matter as water and solid substances. What is the termination, the shore of this immense ocean, whose crustmeen we are? No one knows. All that we know is there are in it veriable, regular and irregular currents and tides, too, just as are in the ocean where aquatic animals live. According to all probabilities the whole atmosphere is contained in the luminous disc under which our earth appears to him who sees it from the moon. As the earth is surrounded by a gaseous ocean which holds in dissolution or in suspension all substances, (solids and liquids) which can be transformed into vapor with which it is in contact, so, too, this ocean is surrounded by another atmosphere which is in turn formed of more subtle elements than all the subjacent strata. There is no good reason to forbid us from conceiving this second atmosphere, to be surrounded by a third atmosphere, and a fourth atmosphere, etc. This hypothesis enables us to re-establish naturally the continuity of matter and of motion, without the intervention of that *deus ex machina* which we call ether. In this way we place in communication all the atoms (planets, satellites, etc.) and we place them in communication not only with each other, but with the central atom of our *atom world*, which itself is only the infinitesimal part of a compound called the nebulous compound of the universe. We now reach the vital portion of the egg. When natural philosophers shall comprehend the true form of our planetary atom in the midst of the oscillations of its concomitant atoms and of all the joint atoms (the compound atoms) of the universe, then embryologists will have placed their finger upon the initial point of life. But this result will not have been reached even by A. D. 3000 notwithstanding all the exertions of that powerful and magnificent lover of the human intellect—transcendental mathematics."

You see that these ideas have some analogy with the theory of vortices; but there is this important difference between them: Descartes placed at the edge or end of each system the densest matter, while Dr. Hoefer, on the contrary, places the most volatile matter there. Dr. Hoefer's hypothesis finds favor here. He is a learned German who has for years been established here. He is the author of a dictionary of chemistry and botany, and is the author of the biographical dictionary which is now in course of publication by Firmin Didot & Co.

CHRISTIAN COMMISSION FAIR IN SACRAMENTO.—The ladies of Sacramento are making active preparations for a Fair which they propose to hold in that city, probably immediately after that to be held in this city. The precise day is not yet fixed upon. The ladies of Placer and El Dorado counties and probably other adjoining counties will unite with Sacramento in the effort. Success to all such benevolent enterprises. If war and suffering must exist let us do all in our power to ameliorate their terrible severities.

It is said that during the day's battle on the Chickahominy, Grant lost 6,000 men in ten minutes.

Orsgon—Letter to Professor Whitney.

We have besn permitted to copy a letter of Mr. Wm. M. Gabb, assistant geologist of this State, to Prof. J. D. Whitney, from which it nppears that onr sister State has some very rich quartz vsins. We trust that Oregon will ere long take some steps towards securing a geological survsy. Such a work wonld do much toward devsloping the resources of that Stats. Mr. Gabb has gone north with a detachment of U. S. troops, under Col. Drew, to ths Owyhes rivsr, in tho eastern boundnry of Oregon. His letter is dated at Jncksonville, Juue 1st, 1864, and reads as follows:—

Dear Professor:—I have just rctnrned from a visit to a quartz claim on Applegate creek, southwest of this place. It is called the Fowler or Steamhoat ledge, and has bsen worked for the last three or four years.

Tho vein consists of one or two principnl portions running in a general pnrallel direction with nnmerous small *strings* and feeders. These are all evidently pnrts of ths same systsm and seem to have their origin from ths same sonrce. Ths general strike is, as might be expected, a little north of N. W. and S. E., and the dip is ndarly nniform throughout. I felt a particnlar cnriosity to see it, from the fnct that I was told that the vein dipped to both sides of the hill; that there was a slide, together with a lot of other nonsense. The origin of the idsa was ths ontcrop winds aronnd the end of the hill, so thnt it is higher in the end than in the sides. A plain snrface cnt through the hill wonld hs nearly parallel with every string of qnartz I saw in any of the tnnnels or on the ontcrop.

The qnartz is pockety. Soms of it bsing said to have paid as high as $2,500 per ton, and most, if not all, having paid working expenses. Upwards of a hnndred thousand dollars is said to have bsen taken out since ths opening of ths claim.

Ths claim is not being worked at present on account of some litigntion, a party having jumped a portion of it, and ars now boldiug it on some lsgal qnibble, despite the self evident fact that they are within the limits of the original location, and undouhtsdly on the ontcrop of the principal vein.

There are other qnartz veins in the vicinity, bnt I havs not yet had time to visit them. Some are reported to be very rich, bnt most of them are like the usual rnn—pay a emall profit and are vsry nncertain.

Very Truly.
Wm. M. Gabb.

Prof. J. D. Whitney,
Stats Geologist, California.

A Miners' Strike in Esmeralda.—Ths miners of Esmeralda had a big strike on Snnday last, in consequnce of a threatsnsd redncsion of their wages. They marched in procession some two or thres hnndred strong throngh the streets of Anrora, and afterwards formed a lsagne for mntnal protection. The Strike originated among the hands of ths Real del Monte, in consequnce of a notics given them on the 30th nlt. that their wagss would be rednced to $3.50 on and aftsr Angust 1st. All hands have since gons to work at old prisss of $4 psr day.

The Association or leagns have adopted a constitntion and cods of by-laws which among othsr things rsqnirs that evsry psrson npon becoming a member of ths Association shall pay to the Secrstary the snm of twenty-five cents and the snm of fifty csnts psr month thereaftsr. Whenever a member of the Association becomes disabled or sick it is made the duty of his fellow miners to provide and care for him; any member of ths Association knowing of a fellow member bsing sick or destitnts is required to report the same to the Executive Committee. An organization of this kind cannot fail of being beneficial, if properly kspt np. Let the miners stand hy one another and maintain thcir orgnnization and then thcre will be but little destitution and suffering among them.

Professor Mayer, of the Maryland College of Pharmacy, says that the common red pottery, which is thickly glazsd with red lead, is not fit to contain anything that is to bs used as food. He states that a citizen of Baltimore county recently lost two children who were poisoned by eating apple butter that had been kept in a glazed milkpot.

The postal service for California costs about $350,000 per annum, and it yields a revenue of some $280,000. Loss to the Government, say $70,000 a year.

The British Columbia Mines.—Tbe Victoria papers are filled with accounts of important gold discoveries at the forks of the Leach and Sooke rivers, a little over twenty miles from that city. A *Chronicle* extra says a chunk of gold worth $70 was fonnd by a colored mau two miles above the mouth of Leacb river, and the company of colored people were tnking out $1 to the pan. Another person obtained three ounces in eight hours' work. The *Express* says that such a whirl of excitement had never been seen in Victoria, sverybody having turned miner. Another company located a claim on a bar about three hundred feet long, on the north branch of Leach rivsr, wherc they obtnined forty cents to the pan. One of the explorers spcaks of these diggings as follows: Ths countrv bas the appearnnce of n rich gold district, and the slate formation, intermixed with smnll veins of quartz, extends several hundred feet. Several parties are taking out as high as $6 to the pan, and some eveu higher.

It appears that everyhody that can get off for the mines is going. Carpenters and other mechanics nrs stopping work preparatory to a general stampede. Two blacksmith shops havs closed, the fonndries ars ahout to close, and even the printers nre leaving their cases.

From Lilloost the accounts are also exciting, and the "biggest strikes ever madc" are reported. Seven hundred men had gone there. Reports of grsat snccess coms from Williams' Creek. The *Chronicle* says:

"The Aurora Company is now par excellence the company of the creek. Their dividend this week has been over $570 per share, the amount of gross yield during the week is 1500 ounces, or $24,000. Private letters in confirmation of ths above statemeut say that Sunday's washing yielded 473 ounces."

Very great excitement has been cnnsed nt Williams' Creek by the reported discovery of rich diggings, supposed to be in ths neighhorhood of Cariboo Lake. Men to the number of five thousand are out in every direction, eagerly searching for them.

The Sooke and Leach river diggings nrs twenty-two miles from Victorin, by the way of Longford's lake. A trail is being cnt to them. There is probably bnt little doubt abont there being many rich clnims in the regions above referred to; and there is qnite as little doubt that the conntry is more thnn filled with a reasonable number of adventurers ers tbis. California miners, as a general thing, have rnn off npon too mnny wild goose chases in that direction, to he very easily cnrried away by another at the pressnt time. We presume our people will read the above without getting very particularly excited over it.

A Monster Blast.—A monster blast of gun powder was fired at the Ardsheal, (Scotland), granite quarry, some two months since. The charge consisted of about two tons of powder, and was deposited in one chamber. The shaft was forty thres feet in depth, and ths chamber in which ths powder was placed about twenty-five feet long. Ths charge when ignited, lifted an immense mnss of rock, compnted to havs bsen 30,000 tons and npwards in weight. The flams belched ont in a semi-circle on the seaward sido. Not a single fragment of a rock was seen to riss in the air, nor to be ssnt across ths main road near hy, and no damage was done to ths honses sitnated within a fsw yards of the explosion. The explosion was witnessed by a great numher of spectators, who wers posted at various points from which it was thought the sams could be witnessed with safety. The report was not loud, bnt deep and hoarss. At Duror, a distance of fonr miles, the gronnd was felt strongly agitatsd as by an earthqnaks.

Killed.—Mary E. Parker, sixteen years of age, danghtsr of Mrs. Helen Parker of San Francisco, was caught by ths machinery in a mill at Green Valley, in Sonoma county, last Friday and instantly killcd.

Both the California and Pacific Companies, snys the Nevada *Gazette*, are now carrying passengers from that place to Virginia for twelve dollars. No reduction has been made on ths fars between Nevada and Sacramento.

The Dntch have a proverb that "when the French are asleep, the devil rocks the cradle." They are quiet for the present, but what devil is rocking the cradle future events must show.

Divers are at work at Martha's Vinoyard, rscovering large amounts of property from wrecked vessels.

Economic Treatmsnt of Poor Copper Ores.

The importance of a process by which the enormous qnantities of pnor copper ores nnnually hroken could he utillized is so gsnerally admitted that interest naturally attaches to every invention bearing on the subject. Mr. John Thomns, of Battersea, claims that he can profitahly treat cnpper ores containing only one per cent. of metal, and that ths result is equally satisfactory whether the ors be a sulphide, carhonate or oxide. The chief object of Mr. Thomas' invention is to prepare copper ores and carbouize them, that they may bs smelted in a blast furnace, though other reducing furnaces may be employed, whereby hs obtains a large percentage of fine copper from n given qnantity of ore, and that by fswer processes or manipulations than heretofore. The ores are calcined, and washed in any ordinary mnnner, and he then treats them thus: To three parts, more or less, of the calcined ore, or mass, he adds one part of clay or nrgillaceons earth, and about one part of lime, and mixes this compound with carbonaceous matter, the qnantity of which will depend on the nature of the ore; he then forms the mass into bricks or lumps; when dry he burns the bricks or lumps in n clamp or kiln, such as is used in hrick-making, or in a kiln similar to a cement klin or lime-klin, or he burns them in any other mannor that will most effectually bring them into clinkers. In this state ths ores are ready for smelting, aud he prefers to employ for that purpose a blast-furnace, though any furnace commonly used for smelting copper may be used. If desired the first operation of calcining may be dispensed with, aud ths ores may be mixed and mads into lumps or bricks at once, hut there wonld be a greater qnantity of matcrial to make up, without an increase of prodnce. When ths lnmps or bricks are to be burned in a kiln similar to a lime or cement-kiln, the carbonaceons mattsr may be dispensed with; and instead of mixing the lime with the ores or earths and clay, the lime or any finx may be afterwnrds added in the reducing furnace, and then ths proportion of clay would have to be increased.

Now, as it is probable that for every ton of marketable copper ore raised there are at least ten tons which, although containing copper that in less favored countries would be carefully extracted, are thrown nside as worthless, and there can hs no donbt that, if it were the custom of the country to treat this ore, the profits of our dividend mines would be still greater than at present, and many that do not now pay cost would return fnir profits. Mr. Thomns is a practical iron founder, nnd has proved, by actual results ohtnined, that the smelting of copper may bs advantageously assimilated to the smelting of iron ore, and that the smelting of copper yielded not more than one per cent. by his improved process, be as profitably carried on as the smelting of thirty or thirty-five per cent. under the most favorahls circumstances. Although we havs not yet seen the actnnl operation upon the ors, ws mny stnte that the resulting product from ordinary pyrites, contnining only an extremely small percentage of copper, to he excellent. We nnderstand that Mr. Thomas is seeking co-operation for the development of the invention, and has the utmost possible confidence in the economy and practicability of the process; so that ers long the profitable treatment of much of the poor copper ors, now a positive inconvenisnce to the miners, may be reasonably looked forward to.—*London Mining Journal.*

New Incorporation.—The certificate of incorporation of the "California Marble Company" was filsd, Monday, in the Connty Clerk's office. The object of the Company is to work tbs "Indian Diggings Marhle Quarry," situated at Indian Diggings, El Dorado county, California. The company will have a capital stock of seventy-five thousand dollars, dividcd into seven hundred and fifty shares of one hundred dollars each. The term of existence is fifty yenrs, nnd plncs of business San Francisco.

Pretty Good for a Deserted Place.—We have taken some little trouble to collect statistics of the amonnt of gold shipped from this place weekly, and the result is, at least, satisfactory to ns. We find our lowest estimate will reach 300 ponnds weekly, or 1,300 pounds per month. So much of the precions metal going from our locality, would seem to entitle ns to a place on the map of the Territory, and also indicate that we are not entirely "played ont." Wonder if they have yet heard of ns in California.—*Lewiston (Idaho) Golden Age.*

A gentleman from Virginia City, informs ths Sacramento *Bee*, that the next election will show a voting population in Storey connty (in which Virginia is situated) one thonsand less than there was at the election last Jannary. The total vots then was 4,130.

It is estimated that there are four thonsand persons in Virginia City out of employment who would be glad to go to work if it could be had.

High Prices—The True Cause.

It is quite the custom, just now, to nttribnte the present high prices to an expanded curreucy. We nre flippantly told that this is the one canse of commercinl derangement, and that if cnrrency were only reduced to the standard of three years ago, prices would come down in the same proportion. Let us think a moment, and we shall see the utter nbsnrdity of snch a conclusion. No matter what is ths medinm for making exchanges, or what is currency, or what is lawful money—whether it hs gold or bnnk notes, or treasury notes—war prices nlways were and must he high prices. Europe learned it during her Napoleonic wars; we nlso learned it in the war of 1812, and the same stern teacher compels us to submit to it now. The reason is clear and simple. Prodnction is diminished, and, by the waste of war, cousumption is increased. The war draws the farmers' sons from the plow, and fewer acres are sown, nnd smaller harvests are reaped. The mechanic arts suffer in the same proportion. Scarcely less than two-fifths of our adnlt male population are now devoting all their time and energy to putting down this rebellion. Of these, a vast nnmber ars in the field with our brave generals, a lnrge part man our ships of war, now connted hy hundreds, and many ars in the hnspitals; while thoss employed in the navy yards, iron foundries, machins shops, and in the manufactnre of military clothing nnd equipments, and in producing munitions and supplics swell the aggregate to the limit ws have named. This great clnss of prodncers cnnnot be withdrawn from their ordinnry pursnits without a great diminntion in the products of the country. When ths supply is greatly diminishcd, and ths demand not only continned hut increased, prices must advancs. There is no possible help for it. If we could return to n specie hasis to-morrow, it would still be a wnr basis, at war prices.

There is but ons exception to this ndvance in prices, and that is the Government bonds, nnd tbey are no exception to the rule, nnd only follow the genernl law of snpply and demand. The necessities of war have mnde them abnndnnt and cheap; but when the war cnds the supply will ceass and they will bs dsar, and the mnn who invests in them now is sure of a liberal profit.

A reduction of ths currency will he well, and we havs the official assurnnce of the Secretary of the Treasury that it is now taking plnce, but it is not the infallnble panacea for financial disorder that many supposs. Mr. Cisco, the Assistnnt Trensnrer of the the Unitcd States at New York, states that hs hns canceled $41,000,000 of interest bearing legal tenders within two wseks, and that he now holds $30,000,000 of greenbacks—nnd yet brend and bntter, whent and corn nnd cloth are no cheaper.

The first canse of the incrensed cost of all commodities, gold included, is altogether ontsids of the currency. A redundant, currency increases the misfortnne, but does not crente it. Suppose the Government does contract the cnrrency, what is to prevent the State hnnks, that give no security for circulation, from quadrnpling their pnper issues, ns they have already done in many parts of the country? What then can bs more absnrd than to make Governmsnt or ths Treasury Department the scape goat for evils that are simply consequent upon the most gigantic war the world ever knew? If ths body hns a fever, is it jnst to make the hand that snpplies its wants responsible for its nnnnturnl condition?

Freezino to Death.—That to be frozen to death mnst be frightful tortnre, many would consider certain, from their own experience of the effects of cold. But here ws fall into the usual error of supposing that ths suffering will increase with the energy of the agent, which could only he the cass if sensibility remained the same. Intense cold brings on speedy sleep, which fascinates the senses and fairly beguiles men ont of their lives. The most curious example of the seductive powers of cold is to be found in ths adventnres of the hotanical party, who, in Cook's first voyage, were caught in a snow storm on Terra del Fuego. Dr. Solander, by hirth a Swede, and acqnainted with the destrnctive deceits of a rigorous climate, admonished the company, in defiance of lassitude, to keep moving on. "Whoever sits down," said he, "will sleep; and whoever sleeps will perish." The doctor spoke as a sage, hut he felt as a man. In spite of the remonstrances of those whom he had instrncted nnd alarmed, he was the first to lis down and die. The same warning was repeatsd a thousand times in the French retreat from Moscow. Alison, the historian, to try the experiment, sat down in his garden at night when the thermometer had fallen four degrees below zero; and so quickly did the drowsiness come stealing on, that he wondered how a soul of Napoleon's nnhappy band had heen able to resist the treacherous influence.

The *Visalia Della* urges the sinking of artesian wells in Tnlare county, for the purpose of irrigation.

Gravity and Force.—Mechanical Polarity.

The following extracts are from an interesting paper read by Mr. Chase, before the Franklin Institute, of Philadelphia, April 21st, 1864. We copy from the "Journal of the Franklin Institute."—

On account of the mutual dependence of all the forces of nature, and the reasonableness of Prof Faraday's conjecture, that they are often, if not always, convertible more or less into each other, it seems probable that the disturbances of the magnetic needle may be as closely connected with the earth's rotation, and the continually changing position of each point relative to the sun, as those of the barometer and thermometer. Ampere held that the earth is an electro-magnet magnetized by an electric current from east to west, the current being excited by the action of the sun's heat successively on different parts of the earth's surface as it revolves toward the east. The friction of trade-winds and ocean-currents and the variations of light and temperature that are produced by rotation and orbital revolution, must exert an influence upon the magnetic needle, and besides these indirect effects, M. Arago showed that simple rotation, in some unknown way, produces magnetism in bodies of every description. Many have supposed that this magnetism is derived from the earth by induction, but on account of the impossibility of escaping from the influence of terrestrial magnetism, it is difficult to obtain any conclusive evidence of the subject. * * *

The great forces of nature can be measured only by their disturbances or their derivations from uniformity. The action of gravity is so nearly uniform at all times and in all parts of the globe, that it is difficult to imagine any crucial experiment that could demonstrate its relations to magnetism. Perhaps a needle, hinged at its point of support, with the two extremities nicely balanced, might help us towards such a demonstration, if careful experiments were tried, to show the relative influence of gravity upon each extremity, both before and after magnetizing, and when subjected to artificial magnetism, so as to produce various amounts of deviation from the normal dip and declination. Or, centrifugal force, so applied as alternately to assist and oppose the effects of gravity, as in large fly-wheels revolving with various degrees of rapidity, may indicate variations of magnetic influence, that can be explained only by the conversion of gravity into magnetism or the reverse.

Prof. Faraday, in a lecture before the Royal Institute in the year 1857, endeavored to show that our usual conception of gravity is not in harmony with the principle of "conservation of force." Prof. Brucke and others, have tried to remove the difficulties in which the question is involved, but I believe none of the proposed solutions have been satisfactory to the learned philosopher who first started the discussion.

It has even been a question whether gravity can be properly called a force, or whether it is anything more than a simple "tendency." Prof. Bracke has shown conclusively, that it is subject, like heat and other recognised forces, to all the laws which regulate the interchange of *actual* and *potential* energy, and our barometrical investigations furnish a beautiful illustration of the manner in which its tension is balanced by opposing forces.

We speak, indeed, of weight, as if it could be predicted only of bodies at rest, and as if it were so entirely distinct from momentum that no comparison could be properly instituted between the two. Precisely the reverse is true. Absolute rest is apparently an impossible condition of matter, for, to whatever extent the action of opposing forces may be relatively neutralized, the inconceivable rapidity of ætherial, planetary, and stellar motions, produces a constant change of place. * * *

Gravity, with the same propriety as heat, may be considered as a "mode of motion," whether acting merely as "dead weight," or as an accelerating or a deflecting force. If it can be shown that magnetism also originates in motion, we may be able to demonstrate the mutual convertibility that Faraday suspected.

The earliest hypothesis with regard to terrestrial magnetism looked for its cause to a powerful magnet, lying nearly in the line of the earth's axis. Subsequent discoveries led to a modification of this view by the supposition of another magnet, pointing towards the Siberian pole. Mr. Barlow's idea, that the magnetism is superficial and induced, has now been generally adopted, and if it could be shown that solar or rotary action is capable of developing magnetism in particles such as those which are known to constitute our globe, the great difficulty in the way of a satisfactory explanation would be removed. Ampere's, Barlow's, and Christie's experiments showed that simple rotation is sufficient to affect the magnetism of a compass-needle,* and in the oxygen of the atmosphere, which, as Faraday discovered, has a specific magnetism, variously estimated at from one in 882 parts to one in 287 parts of that of iron, we have a medium through which any induced magnetism may be distributed over the entire surface of the earth. Some simple experiments that can be easily repeated, seem to confirm Ampère's views, and to indicate the manner in which the circulating electric current is excited.

There is a species of mechanical polarity, of which I have never seen any notice, that is apparently produced by motions resembling those to which the air is continually subjected. It may be exhibited in the following ways:

1. In the middle of a basin of water, lay a long strip of any substance (floating it by corks or otherwise, if it is heavier than water.) After the water has become still, lift the basin carefully by one hand, and hold it at arm's length. The intermitting muscular action produces longitudinal vibrations, which tend to bring the floating strip into a line with the outstretched arm, and the tendency may be increased by moving the basin gently up and down.

2. Hold the gimbals of a binnacle compass so that it can swing only in one direction, and cause it to move like a pendulum in that direction. The needle will tend towards the line of oscillation. Vessels may have been lost from ignorance of this fact, for it is not unusual for compass pivots to become so worn that the needle moves sluggishly, and in order to start it, the compass box is shaken. If one of the gimbal hinges should be rusty, the shaking would bring the needle into a line perpendicular to the axis of the free gimbal, and the captain might easily suppose that he was sailing north, when his course was due east or west.

3. Take an ordinary pocket compass, grasp it firmly between the thumb and end finger of one hand, and move it quickly up and down through a small arc. The needle, as in the last instance, will tend towards the plane of motion. This experiment may be variously modified, according to the length and directive energy of the needle, the steadiness of the operator's nerves, &c. Sometimes a simple grasp, with a powerful muscular contraction, will bring the needle into line, without any other vibration than that which arises from the irresistible nervous tremor. Sometimes the momentum acquired by each pole in its approach to the operator, carries it forward so as to bring the other pole under the wave-influence, and the needle is thus made to rotate so rapidly as to become nearly invisible.

The polarity in each of the three cases here enumerated, is easily explained upon purely mechanical principles, but there are some indications that seem to show a close connection between the mechanical vibrations and those of nervous electricity. There appears to be a great difference in the control of different individuals over the needle. Some can bring it into line at once, with scarcely any perceptible motion, while others are obliged to use considerable effort; the needle does not seem at all times equally susceptible; it often appears more easy to produce rotation in one direction, that in the other. There may, therefore, be a natural connection between these experiments and those of M. Du Bois Raymond, who attached two strips of platinum to a very delicate galvanometer, and caused them to dip into two cups of salt water. Dipping the fingers of each hand into the cups, and alternately bracing the muscles of each arm, he produced a perceptible deflection of the needle. MM. Becquerel and Despretz repeated the experiment without obtaining very satisfactory results, but M. Humboldt was more successful. Add to these phenomena the well-known evidences of a constant current, circulating around magnets, and if we suppose that electricity consists simply of vibrations, it will seem perfectly natural that the magnet should obey the strongest vibrations.

*The effect of rotation on the magnetic needle may be shown in a rough way by causing an ordinary grindstone to revolve rapidly, and bringing a compass near its edge.

The Dalles (Oregon) *Mountaineer* gives an account of an attempted ascent of Mount Hood, by a party of four gentlemen from that place. Three of them gave out within three hundred feet of the top, but the fourth, Edward Ayers, persevered, and succeeded in reaching the topmost pinnacle, which he represents as a hare, ragged crag, only large enough to stand upon. A crater was found about three thousand feet from the top, from which a sulphurous smoke ascended. The ascent was made on the 17th of July. This mountain, the highest in North America, is one of the Cascade range, and is about seventy miles east of Oregon City. Bierstadt, the eminent artist, who visited this coast last summer, is at present engaged upon a magnificent picture of Mount Hood.

A party of Mexicans have found a quartz vein about eight miles above Hite's Cove, Mariposa county, which is said to be the richest thing yet discovered in that county.

Reminiscences of the Plains—The Sand Hills of the Platte.

We shall never forget the Platte river sand-hills on the east side of the Rocky Mountains. No one who has crossed the Plains has ever failed to see them, and whoever has seen them once will never forget them. They are the most magnificent sight presented on the whole journey from the Atlantic States to California. They seem at times, as you approach them at a distance, like fairy-built cities dropped from the heavens into the broad illimitable expanse of the plains beneath. They look again like the white monuments of an immense graveyard, in which might repose the buried generations of a former age. Here and there one stands isolated from the rest, like "Chimney Rock," or the "Court House," all the more striking for its loneliness. They assume different shapes from different points of observation. Now they look like a mighty temple of the olden time—columned, arched and fretted, as if by a mighty architect. Again they bear the appearance of a stern old fortress, frowning on the plains below, and built to be impregnable. Again, you see a counterpart of the Chinese Wall, hemming in a vast extent of country, and presenting what would indeed be an impassable barrier to marching hosts. Here and there arises, vast, rugged and sublime, a tower that looks like the unfinished Babel on the Plains of Sbinar. The illusion is most complete, and for miles upon miles it continues, ever varying and ever beautiful.

This variety of forms, so attractive and suggestive, is produced by the action of the rains and storms, which are known to be most violent and terrific in that region. Nature, in her wild and angry moods, is the architect who builds those mysterious cities and wonderful temples, towers and battlements. In the storm and not the sunshine, she hews out her majestic forms and figures from the pliant hills. "In thunder, lightning and in rain" she does her work, and the Storm King slumbers in the palaces she builds, or wreaths his lightnings, like fiery serpents, around their trembling columns. She destroys, too, as she builds. When the rains come and the floods descend, many a castle that she has built stands not, for it is founded upon the sand—nay, is of the sand itself. She struck the shaft of "Chimney Rock" (upon which she had worked years upon years, like a patient sculptor, to finish), with a bolt of lightning, and the half of it fell from the heaven which it courted, and crumbled into dust at the base. Great must have been the fall thereof, for it was a majestic column—majestic even in its ruin. She is now doing her best to tear down her "Court House," and her grand building, in imitation of the Federal Capitol at Washington. After awhile she may level them, but they are of pretty solid sandstone, and it will take her as long to tear them down as it did to build them up, though she can and does deface them horribly.

All over the more prominent of the grand memorials of the action of the elements—these landmarks of geological history—the emigrants to California have inscribed their names, from 1848 down to the present time. Among them are a few that are known to fame. The possessors of many of them now lie mouldering in the mountains of California, or are sleeping their last sleep in her green and smiling valleys. The possessors of others are back in their old homes, on the shores of the great Atlantic, or the borders of the Western prairies, thinking, it may be, at this moment, of the Sand Hills of the Platte far away, and their names written on the white and barren rocks. The emigrant reads them, and the wild Indian wonders what may be the meaning of the inscription, imagining, perhaps, some mysterious connection with his own sad destiny. The possessors of others again, we know, are living in peace and plenty in their new built homes on the Pacific. And strange have been the adventures of all those wanderers, and full of interest are their memories of the past.

There are now on the way from New York to this city 500 barrels of rye flour, and of cornmeal 829 hogsheads, 395 puncheons, 3,585 barrels and 450 packages. These articles are imported for horse feed by the street railroad men.—*Exchange.*

What enormous eaters these railroad horses must be, to require that upwards of 10,000 barrels of feed in addition to their usual supply of hay, should be on its way to this port, and all about at one time.

Raising.—The New York city newspapers were to advance their prices on the first of August to a five cent standard.

THE DECAY OF VITAL POWER.

"Burleigh," of the Boston *Journal*, gives the following graphic sketch of several well known characters:—

Men will grow old—some by age, some by care, some by premature decay brought on by exposure, toil or dissipation. Man can live fast, financially and physically; in either case bankruptcy comes. I saw a crowd on the steps of the Astor recently. They were watching the attempt of the great pugilist, Tom Hyer, to ascend into the house. His tall form was beat by disease; his once firm step tottered; his immense strength had departed. With crutches and the aid of the strong arm of a friend, he slowly, and with anguish, took one step at a time as would an infant to go up. It was gall and bitterness to him to cast his eyes around that crowd, and see how unlike their greeting was to the crowd that cheered him on his great fight with Sullivan. By a singular coincidence Morrissey came along. But how unlike Hyer. Morrissey is a professed gambler. It is his trade. He has taken care of himself and keeps within bounds. He is temperate, for his calling demands it. He dresses in elegant taste—is full jeweled—and would pass for a well to do banker with the upper ten; or as a professor in a college. Morrissey has taken Saratoga under his special charge, and intends to drive this year a larger business than he did the last. He has taken his headquarters already, and with an elegant exterior, smart address, cool and adroit habits, he will allure into his embrace many of our youth, and send the curse into many homes in the form of ruined but once manly sons. As Hyer was attempting to go up the steps, a man sought a more quiet entrance on one side of the crowd. It was N. P. Willis. "Time has laid his hand visibly upon you, my gay friend," I said to myself. He also needed the aid of a cane to help him up. The lithe and smart step faltered in its upward motion. The auburn locks, still curly, were grizzled, his face was thin and heard gray, as one in the sere and yellow leaf of life. Few would have recognized in the feeble and slender invalid, the nervous bilarous man of twenty years ago. He cast a sad look upon the crowd, and the pugilist broken down in middle life, and passed on. The group was not complete. Passing along the pavement was Commodore Vanderbilt. Till recently he has been among our most vigorous men. Age seemed to have no effect upon him. His body was iron, his nerves steel. Old in years, his step was elastic. His hair was white as snow, but his intellect sharp and vigorous. His form slim as a youth of nineteen, but erect as a Mohawk warrior. Some months ago he was thrown from a wagon, and that fall did the work of years on his system. He walks and looks the old man; his step is languid, and that touch which none can parry and all must obey, is upon him. Such is life.

Times' Varied Pace.—There are few things more strange than the different pace with which, in different minds and hearts, time seems to tread his onward course. To the little child, a year appears almost endless; to the full-grown man, it seems in memory but a few days, and those so confused with the days that had preceded them, that he can with difficulty disentangle, and fix the limits in his thoughts of any single period. When he attempts to review a year, and assign to it the events which marked its progress, he will probably reckon amongst them the occurrences of some previous year, perhaps far from that he is now contemplating, but which, with its companions, has sunk into the boundless abyss of the past. To the sorrowful, times' harque seems to be becalmed, and the slow stagnant current on which it floats seems scarcely able to move onwards. They wake in the morning, to find themselves only where they fell asleep at night, the same sad scene around, the same dreary desert before, while to the gay and light-hearted the voyage is all too rapid—they would fain linger and revel in the sunshine which irradiates a prospect so beautiful and so tempting. But no; the barque hounds on, and ere they thought their sails were set, they have been whirled from one end of the year to the other. And yet time neither hastens nor retards its pace; its course is even and silent, it flows out drop by drop from the eternal fountain.

A new workingman's organization, opposed to strikes has been formed in Boston. The principal object is the employment of an agent, who will obtain coal, groceries, etc., for the members, as cheap as possible.

Incendiarism.—The recent fires in Virginia City are thought to be the work of incendiaries, who set fire to the buildings for the sake of plunder. The citizens have offered a reward of $2,000 for evidence to convict any one of incendiarism.

George Patterson, a workman in the Marysville foundry, was severely injured a few days ago by being caught in the machinery.

Our Summary of Mining News.

CLEANED FROM VARIOUS EXCHANGES.

CALIFORNIA.

Rich Rock.—Mr. C. A. Helmering, superintendent of the Siskiyou Mining Company, Humbug District, on Saturday last, showed us, says the Yreka *Union* of July 27th, some specimens of rich rock taken from the company's tunnel. The lend is well defined and varies from eighteen inches to three feet in width. The Shasta Butte Mining Company have located on the same ledge and adjoining the Siskiyou, and the striking of such rich rock has sent the stock of both companies up several dollars to the share. It is the intention of the Siskiyou to immediately procure a mill. Humbug for rich rock is getting a good reputation. The claims already prospected indicate a good yield with proper machinery.

Gold Brick.—The Manning Company, mining in the vicinity of Placerville, El Dorado county, have sent down a sample of the proceeds of their mill in the shape of a gold brick, weighing *twenty-two pounds*, the result of the crushing of 138 tons of their ore. This is a great yield for a California gold mine. The company's works have been carried on from the yield of the lead, and, strange to say, without an assessment.

The Marysville *Appeal* has seen some fine specimens from the Courage company in Brown's Valley. The members of that company think they have a "big thing." The Paragon company, of Brown's Valley has dissolved. They offer for sale their engine and pump.

New gold mines have been found at the head of the San Joaquin, 150 miles from Mariposa. A good many prospectors are directing their course thitherward.

The Calaveras *Chronicle*, says that the Melones claim, situated on Carson Hill, in that county, is paying rich once more. Over $10,000 in gold was sent from the claim to San Francisco, last week. We notice that the stock has gone up two or three hundred per cent. during the past few days. While silver mining has nearly collapsed, gold claims still continue to pay.

From Catalina Island.—The Los Angeles *News* says it is reported that large quantities of paying ore is being taken out of the "Monster," "Gem of Ocean," "Argentine" and other lodes in the vicinity of the Isthmus. Rich discoveries continue to be made upon all parts of the Island. A new mining district has been formed which includes the south-easterly portion of the Island, under the title of "Washington Mining District." We have seen some fine samples of ore from the "Yellow Jacket," situated in the district above named, which is a well defined lode, some fifteen feet in width, of solid ore.

Comstock Still Lives.—Dr. R. B. Farnham, who left Portland lately for New York, with quartz specimens from the Boise mines, gives some interesting particulars to a paper in the first mentioned place of quartz operations in Idaho. He says:

The celebrated prospector, Comstock, is at Boise, and is crushing rock at the rate of 1,600 pounds a day, with rude arastras, run by a 20-foot overshot wheel. The following are the

Sierra County.—The Mountain *Messenger* speaks encouragingly of the condition of the mining interests in Sierra County:—

The long reach of gravel range between Eureka and Brandy City, is being prospected and is believed to be rich in mineral of the precious kind. Should this prove true, a large mining district, of sufficient capacity to employ many hundred men, would be thrown open to enterprise and speculation.

The Union company, at Mt. Pleasant, Gibsonville, struck gravel, on Monday last. It was the eighth anniversary of their first assessment, when ten shareholders started in to open the claim.

The little camp at Scales' Diggings is improving. The Sawmill company are building a dam on Rock Creek, which will, in the Spring, flow several acres with water, and become a strong reserve against the dry seasons.

With regard to the new diggings on the North fork of the Yuba, at Hancock's Ranch, says the *Messenger*, reports conflict so that we are in doubt about it. Some who have been there are confident that they will pay well; while others are just as confident that they will not. If it were about 4,000 miles from civilization, we should say, go by all means; but as there is no danger of a man's starving to death before he can get back, if the mines do not prove as rich as expected, we are prepared to give no advice. It is distance, and the difficulty of getting to them that make many new mines valuable.

The Fashion Claims, on Gold Canon, are getting in on the home stretch, and have lately tumbled out about 125 ozs. of dust weekly, with the "hed rock pitching."

Quartz.—Several shafts have been sunk on the hill opposite Chandler & Co's old mill on the Chandlerville side of the ravine, to find the ledge which crops out there; some good prospects having been found among the loose boulders in that locality.

Among the unfavorable indications the *Messenger* instances Brandy City, which is pretty well petered out in the diggings for this season, and few miners have made anything. Cole and Stevens may be mentioned as an exception, having done remarkably well. Many men have left these diggings for other parts, and others contemplate the same thing.

At Council Hill, also, extensive preparations were made, last season, but the failure of water has indefinitely postponed operations. Everett & McLelland, of Camptonville, put up a powerful iron pipe hydraulic here, last year. It is 15 or 16 inches in diameter, and about 900 feet long, with a fall of *two hundred and seventy-one feet*—undoubtedly the most powerful in the State, that of Cole & Stevens, 240 feet fall, being the next one to it, we suppose.

WASHOE.

We condense the following from the Gold Hill *News*:—

The Yolo company is sinking its shaft below the level of its tunnel. The shaft is now about 260 feet in all, and of this depth about 34 feet is below the tunnel. The hoisting is all done by a windlass at the top of the shaft, but the dirt and rock which is excavated out in sinking down, is raised only 34 feet and there swung off into a chamber connecting the tunnel with the shaft, where it is dumped into a car, and run out through the former work.

The Branch Mint company has suspended operations on its claim for the present. Its shaft is some 220 feet deep, and from it a drift has been run to the ledge, and several tons of rock have been taken out which was crushed, but did not yield sufficiently well to authorize the working of a greater quantity.

The Astor company's tunnel is the only mining work done in Crown Point Ravine, above Bowers' mill, which is not idle at present. It is being driven ahead as rapidly as ever. The boys who are running it on contract inform us that it wants but a few feet of being 600 feet long.

The Jackson company keeps at work as steadily as clock work. It has completed the road it was building from the Ophir Grade to its shaft, and has now convenient means of bringing up lumber or timber, or hauling away quartz when necessity requires.

The Fair Play is busily working in its shaft, sinking it down. It has already attained the depth of forty feet, and has been sunk nearly half that distance through hard rock. The company has a good shaft, and expects to strike shortly into a good ledge.

The Jewett has let a contract to grade a place around the top of its shaft to erect a whim. Work on the contract has already been commenced. The shaft is now down about 150 feet, and the pull at a windlass to hoist a bucket of dirt to the top is becoming altogether too long.

The Eureka is drifting northward along its ledge. A drift has been run from the shaft westward about forty feet, at which point it struck the ledge. Some very fine looking quartz was taken out there, and a drift was commenced to run along the ledge.

The Crown Point Ravine company is down one hundred feet with its shaft, and has just completed timbering it to the bottom. The work has been driven along quite rapidly since it was commenced, and has also been done in a very workmanlike and substantial manner.

The Milton is a very promising mine. The company is now taking out rich ore.

The Lafayette company has again stopped work. This company has stopped once or twice before, and started again. They have a good claim, and should have better arrangements and management. A company that works its claim a few days, and then lays on its oars a much longer time, changing its base of operations every three months, is seldom successful.

The Green company is working its claim all the time, and will probably be taking out pay rock in a short time. At present a shaft is being sunk from the tunnel to strike the ledge at a greater depth than it has yet been opened. When this is carried down to the ledge the mine will commence yielding again and it is believed more successfully than before.

The workmen are busy on the Mary Ann company's hoisting works, and will have them ready to run in a couple of weeks or thereabouts.

The machinery for the Summit mill arrived in Virginia City, on Saturday last. The work on the mill is being prosecuted with vigor, and it will soon be ready to run.

The New Oregon has commenced operations with its new hoisting works, and now has as good machinery as could be wished, and that which is as powerful as will be required to sink down 500 feet.

The Uncle Sam continues to sink down with its shaft, which has now reached the depth of about 340 feet. The workmen find but little water. The company is now down more than a hundred feet deeper than it was when the ledge was opened and worked before. They will soon be able to put in a large force of drifters and take out an immense quantity of rock.

Land, Skae & Co's mill, which is in course of construction, down the Cañon, will be one of the most extensive in the Territory. It will be driven by a 130-horse power engine. The pans are being put in place, the batteries are completed except the connections with the line shaft, and every branch of work about the mill is in an advanced state towards completion. Everything will be completed and the mill ready to run the last of the month.

The Central Hawkeye continues sinking its shaft which is now down to the depth of about 90 feet. The work is carried ahead very rapidly, and if a hard formation is not struck in going down, the shaft will be sunk to the level of the tunnel below and connecting with it in a very few weeks.

The Buckeye Mine, situated in Devil's Gate district, is now, according to the Virginia *Union*, being vigorously worked. They are at present taking out pay rock that will average from $80 to $100 per ton, and expect to have on hand at the expiration of this month from fifty to seventy-five tons. The vein is two and a half feet thick, and widening as they go down. The greater portion of the hands are occupied in sinking a shaft—but two men being engaged in taking out the pay rock.

ESMERALDA.

Mills.—A correspondent of the Stockton *Independent*, writing from Aurora, under date of Aug. 4th, says:—

"Of old mills and new mills, of mills running, and mills not running, the sum total in Aurora is seventeen. Of these perhaps ten are now in operation. We have previously mentioned the Antelope and Del Monte, which excel the rest in size and finish. The Antelope runs twenty stamps, the Del Monte thirty. The former mill can crush twenty-one tons of quartz per day. We guarantee that the eye of every visitor to these mills, after wandering over the array of pans, tanks, stamps, and other machinery is chiefly attracted by the two crushers, weighing fifteen hundred pounds each, which serve to break the lumps of quartz to the size suitable for the batteries. A big chunk is pitched in the iron grating under the stamps, the mass of iron descends, it is broken into fragments and they fall through the grating into a receptacle below. At times a piece will withstand the first and even second blow, but rarely the third. They rise and fall with monotonous regularity and the unaccustomed beholder is seized with a sort of inclination to get under one of them, akin to the desire which often possesses people to jump from a high precipice. A Newfoundland dog did jump under one of them a few months ago and was rather hastily converted into sausage meat."

The Juniata company have employed the Gregory mill to crush their rock at $20 per ton. The Esmeralda *Union* of the 1st inst says:—

"We had the pleasure yesterday afternoon of examining about eight tons of decomposed quartz taken from the Juniata lead, on Saturday evening, by a force of seven men, and judging from appearance it will yield a handsome profit to shareholders in the claim. We are informed that about one hundred hands will be engaged on the lead within a week. This number will take out at least fifty tons of rock per day, which will keep three of our mills constantly running. The owners in the Juniata are principally hard-working miners, some of whom have spent much time and labor in its development."

Union Mill.—This mill has been thoroughly overhauled and improved, and will run on Juniata rock this week.

REESE RIVER.

The Esther Lode, situated directly within the city of Austin, is now turning out most excellent rock. The results of the first crushing from this lode were very discouraging, and ran the proprietors something in debt. Not at all discouraged, however, and believing that the ore was not properly handled at the mill the proprietors again went to work and took out two tons of first class ore which they hauled to the Pioneer mill, and realized $2,523—a very satisfactory result indeed. Another lot of two tons was next crushed and yielded $3,930. Several hundred dollars were also realized from the sale of specimens. Two tons of second class ore were then tried, which gave $604.77. The ore was taken out by two men, in two months. After deducting all expenses, reckoning labor at $5 per day, the net profits of the operation were $5,600.

The Croesus company's mine lies between Pine and Cedar streets, just outside of the city limits. The lode appears to be the strongest and most regular in that section of the hill. A small quantity of the ore was lately worked which paid at the rate of $404 per ton. There are now some ten or twelve tons of such ore lying at the mouth of the incline, which would evidently pay well for working. The owners of the Croesus are quite poor aside from their claim, but persevere in the development of their mine in a way that will bring the country out of the hard times that now so severely afflict it. Work is still in progress on the incline, which will be sunk to the depth of 125 feet before any more drifting is done.

The Reese River Orizaba company is displaying much persevering energy in opening their mine. The incline is now down 180 feet from which drifts are being run with favorable developments. The lode is two feet in width, the specimens from which, lying on the dump, give evidence of a rich lode. The incline reaches considerably below the water line, and the vein rock taken out is of the usual variety, well filled with sulphurets, and evidently rich. Lodes employed in this character of work: Ophir, six arastras, 30-foot overshot wheel; Ada Elmore, one arastra, 16-foot breast wheel; Confederate Star, one arastra, 20-foot wheel; Alturas, one arastra, 24-foot wheel; Independence, one arastra, 20-foot wheel; and four others are nearly ready for operation, designed for custom work.

The Newton Mine, Amador county, has raised about five hundred tons of copper ore within the past eight weeks and the mine is now looking better than ever before. Over two hundred tons of the above amount is now on its way to Boston.

Advertising Circular.

The Proprietors of the Mining and Scientific Press would call the especial attention of Mining Secretaries, Trustees and Shareholders, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The Press enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the Press is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the Press, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the Press or some other paper.

6th. Many copies of the Press are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the Press, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

Last, but not Least.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the Press shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'T—SALE.
Astor, Gold Hill, $1	Sep 10—Sep 24*
Augusta, Augusta, R. R., 2 ass'ts 12½c each	July 30—Aug 31*
Animas, Durango, Mex., $1	Aug 13—Aug 27*
Arizona, Cons., Eureka, 20c	July 30—Aug 23*
Amador Cons., Lander co., $4	Adv July 27—Sale Aug 18*
Aspinwall, Reese River, 50c	Adv July 15—Sale Aug 13*
Alpine, Amador Dist. 25c	Aug 13—Sep 1
Archer Cons., Summit Lake, $1	Aug 8—Aug 23
Adriatic, Flowery, $1	Aug 20—Sep 3
Ashland, Arizona, $1	Aug 14—Aug 29
Amargorza, Salt Spring, $2	July 23—Aug 15
Amargorza	Annual Meeting Aug 25
Adelaide Cons., 50c	Aug 22—Sep 5
Alameda Coal, $1	Sep 8—Sep 24
Alhan	Annual Meeting Aug 13
Bell, Santa Fe, Lander co	Aug 13—Sep 15*
Brooklyn, Reese River, 50c	Adv. July 2—Sale July 16*
Black Ledge, Reese River, $2	Aug 19—Aug 31
Big Blue Lead, Coso	Special Meeting, Aug 23
Buckeye & Old Hickory Cons. S. Catal., 50c	Aug 5—Aug 25
Barreteros, Mex., $5	Aug 15—Aug 27
Black Rock Ledge, R. R., $1	Aug 18—Sep 5
Burning Moscow, $5	July 29—Aug 15
Blanding, Devil's Gate, $2	Aug 26—Sep 10
Boyce & Reynolds, Gold Hill, $2	Aug 8—Aug 17
Boston Copper, El Dorado co., 50c	Aug 11—Aug 23
Belcher, Baldwin & Abernethie, Div'd $8,..	Payable Aug 10
Bajazett & Golden Era Cons., $5	Levied July 30 Virginia
Blue Ledge, El Dorado co	Annual Meeting Aug 22
Caldwell, Cove	Removal*
Clinton, R. R., 50c	Aug 6—Aug 26*
Charter Oak, Santa Catalina, 10c	Aug 11—Aug 27*
Comstock, San Antonio, $4	Aug 22—Sep 3
Cole, Virginia, $1	Adv July 18—Sale Aug 13
Chicago & Detroit, Amador co 75c.	Adv July 22—Sale Aug 13
Caledonia, Gold Hill, $1	Aug 2—Aug 17
Cortez, Lander co., $2½	July 29—Aug 13
Cosmopolitan, Gopher, 50c	July 29—Aug 29
Columbia, Tuolumne co., $2	July 30—Aug 15
Chase & Cornwall, Amador Dist. 25c.	Aug 18—Sep 1
Central American, Gold Hill, $1	Aug 2—Aug 22
California, La Paz, 75c	Aug 8—Aug 22
Cassell, Indian Springs District, $1	Aug 2—Aug 17
Caledonia T. & M., Gold Hill, $1.50	Aug 12—Aug 24
Cossette, Arizona, $1	Aug 13—Aug 27
California, Virginia, $12.50	Aug 12—Aug 25
Cedar Hill T. & M., Virginia, 50c	Aug 24—Sep 12
Crown Lead, Mariposa, $1	Aug 18—Aug 30
Calaveras Iron Mt. Copper, 50c	Aug 19—Sep 3
Consolacion, Sinaloa, $2	Sep 11—Sep 26
Cosala, Sinaloa, $1.50	Aug 12—Aug 24
Correl Viejo, Sonora, $7.50	Aug 15—Aug 29
Chipionena, Mex., $5	Aug 1—Aug 13
Corni Hill, Lauder co., 25c	Aug 26—Sep 12
Chihuahua & Western Summit, Esmeralda	Sale Aug 22
Chihuahua & Western Summit	Annual Meeting Aug 15
Chrysopolis, Virginia, $1	Sep 5—Sep 20
Cumargo, R. R., $1	Sep 1—Sep 17
Catalina Cons., San Pedro, 20c	Sep 5—Sep 17
Crown Point Ravine, Gold Hill, $1	Aug 30—Sep 14
Diamond, Santa Catalina, 10c	Aug 11—Aug 27*
Dane, Esmeralda, $1	Aug 13—Aug 30*
Daniel Webster, 20c	Aug 13—Aug 27*
Diana, R. R., $2	Aug 20—Sep 1
Dubuque, Galena, $1	July 14—Aug 20
De Soto, Star, $2.50	Aug 27—Sep 12
Daniel Webster, Devil's Gate, $10	Aug 24—Sep 7
Eagle Quartz, Amador co., $2	Sep 10—Sep 26*
Enterprise Copper, Placer co	Removal of office Aug 15*
Eureka M. & M. Co., Lander county, $3.15	Aug 13—Aug 27*
El Toro, Mex., $2	Sep 3—Sep 13
Eclipse, Sierra 50c	July 30—Aug 13
El Taste, Mex., $3	Aug 8—Aug 13
El Tesoro, Lower Cal., $2	Aug 8—Aug 23
Eureka, Coal, Alameda co., $1	Aug 16—Aug 29
Emilia, Guerrero, Mex., 25c	Aug 2—Aug 20
El Dorado, Virginia, $2	Aug 15—Aug 31
Ethan Allen, Lander co., $3	July 29—Aug 15
Empire State, Contra Costa,	Assessment 10c
Eureka & Elizabeth Cons., Calaveras co., 10c	Aug 18—Sep 1
El Tigre, Durango	Sale Aug 13
Eureka Coal, Alameda co	Annual Meeting Aug 29
Eyla, Summit, 50 c	Aug 25—Sep 8
El Alamo de San Antonio, Lower Cal., 50c	Sep 1—Sep 15
Eclipse, Tulare co	Annual Meeting Sep 5
Eureka & Elizabeth Cons., Cal Co	Annual Meeting Sep 6
Esperenza, San Luis Obispo, Sp. Meeting Sep 20	S. L. Obispo
Fortuna, R. R., $1	Aug 6—Aug 29*
Fairview, Copper, Calaveras co., 40c	Sep 10—Sep 25*
Franco Americana, San Antonia, $10	Sep 2—Sep 13
Figaro, San Antonio, 25c	Aug 27—Sep 8
Florida, Lander Co., $5	Sep 6—Sep 20
Gold Rock, Calaveras co., 50c	Sep 10—Sep 26*
Good Hope, Alpine, 75c	Aug 24—Sep 10*
Great Western, Keyes, Mono co., $1	Aug 27—Sep 14*
Good Return, Cons., Tularo, $1	Aug 24—Sep 10*
Great Western T. & M. Co., Aurora, 25c	July 30—Aug 17*
Gobernadora, Lower Cal., $1	Sep 3—Sep 17*
Guadalupe del Aguajito, 50c	Aug 20—Sep 1
Orattan, 20c	Aug 1—Aug 13
Gold Hill Tunnelling, Gold Hill, $1	Aug 13—Aug 25
Gov. Seymour, R. R. $1	Aug 10—Aug 23
Grush Cons., Storey co., 20c	July 16—Aug 13
Great Cons. Boise, Idaho, $1.25	Aug 23—Sep 10
Golden Rule, Tuolumne, 50c	Aug 25—Sep 14
Guadelonpe de los Angelos, $1.50	Aug 23—Sep 2
Great Central, Smoky Valley, 50c	Aug 29—Sep 10
Goodwin, Simpson Park N. T., $1	Sep 7—Sep 22
Green, Gold Hill, $1	Sep 8—Sep 24
Germania, Mt. Diablo	Aug 10— Aug 20
Germania No. 2, Slate Range	Sale Aug 22
Honest Miner No. 2, R. R., 62½c	Sep 3—Sep 17*
Holcombe, R. R. Lander co., $1	Aug 6—Sep 5*
Heidelberg, Mamr co., 10c	Aug 20—Sep 5*

*Those marked with an asterisk (*) are advertised in this journal.

Henry & Barnard, Weaver, 10c ..... Aug 20—Sep 5*
Hale & Norcross, $25 ..... Aug 22—Sep 7
Hornitos, Hornitos, $1 ..... Aug 24—Sep 6
Hulleck, Alpine co., 30c ..... Aug 2—Aug 22
Hawley, Devil's Gate, $7.50 ..... Aug 1—Aug 20
Harmon, El Dorado co., $5 ..... Aug 9—Aug 27
Heory Cluy, Lander co., 50c ..... Sale Aug 16
Hornitos, Mariposa, 75c ..... Aug 24—Sep 6

Imperntrice, Santa Fe, Lander co ..... Aug 13—Sep 15*
Imperial ..... Caution*
Illinois, El Dorado Cuuon. A. T. ..... July 30—Aug 20*
Illinois, Smoky Valley 50c ..... Aug 13—Sep 2*
Imperial, Arizona 50c ..... Sale Aug 12*
Iowa, Virginia, $6 ..... Aug 19—Sep 5
I X L ..... Special Meeting Aug 17
Iowa, Esmeralda, $1 ..... Sep 5—Sep 22

J C Fremont, Sil. Mt. 4 ass'ts at 25c ..... Adv Aug 1—Sale Sept 1
Josephine Copper, Calaveras Co., $2 ..... July 30—Aug 13
Joe Lane, R. R., 50c ..... Aug 11—Aug 24
Josephne, Coso, 50c ..... Aug 31—Sep 12

Kate Lamar, R. R., 50c ..... Aug 27—Sep 16*
Kelsey, Eldorado co., 10c ..... July 27—Aug 27*
Keokuk, Contra Costa, 15c ..... Aug 27—Sep 10*
Kentucky, Mmo. Follx, 50c ..... July 30—Aug 16
Kohler Bros., San Antonio, Mex., $1 ..... Aug 16—Aug 27

La Libertad, Cacachillas, L. C., $1 ..... Sep 3—Sep 17*
Libertad, Mex., $5 ..... Aug 20—Sep 5*
Lady of the Lake ..... July 23—Aug 35*
Leland, Arizona, 50c ..... Sale Aug 26*
La Travianta, Calaveras co, 50c ..... Aug 20—Sep 3*
Lone Star, Lander co ..... July 30—Aug 13
Lochinvar, Gopher, 50c ..... Aug 16—Aug 27
Louisiana, R. R., $1.50 ..... Sep 12—Oct 1
Los Angeles, Arizona, $1.80 ..... Aug 1—Aug 15
Lucerne, Gold Hill ..... Sale Aug 17
La Palma, San Antonio, Mex., 25c ..... Aug 18—Aug 30
London Quartz, Siskiyou co., $1 ..... Aug 11—Aug 25
Legal Tender, Lander co., $1 ..... Aug 9—Aug 24
Lady Bryan, Flowery, $3 ..... Aug 24—Sep 10
La Blanca, Sonora, $2.50 ..... Aug 22—Sep 5
La Fernandez, Hermosillo, Mexico ..... Aug 25—Sep 9
Latrobe, Virginia 50c ..... Sep 1—Sep 15
Lady Bell, Low Divide, 20c ..... Sep 1—Sep 14
Lotus, Gopher, 25c ..... Aug 31—Sep 17

Maryland, Santa Fe, Lander co ..... Aug 13—Sep 15*
Mosquito, Calaveras co., $5 ..... Aug 13—Aug 29*
Moant Zion, Clayton Dist., Contra Costa, $1. Aug 11—Aug 27*
Melones & Stanislaus, C. H, $2.50.. Adv. July 30—Sale Aug 13
Mandot, Del Norte, 50c ..... Aug 1—Aug 13
Musidora, San Antonio, 50c ..... July 30—Aug 13
Mount Washington, Devil's Gate, $2 ..... Aug 26—Sep 10
Manchester, Monitor, $1 ..... Aug 16—Aug 31
Mina San Felipe, San Antonio, 50c ..... Aug 6—Aug 17
Morning Star, Alpine Co., 75c ..... July 30—Aug 19
Mineral Hill, Mono co., 50c ..... Aug 7—Aug 20
Murathon, Monoco., 50c ..... Aug 3—Aug 17
Metropolitan, Silver Mountain, 20c ..... Aug 13—Aug 21
Monster Cons., Santa Catalina, 50c ..... Aug 8—Aug 20
Manzanilla, Sinaloa, 25c ..... Aug 20—Sep 3
Mineral Hill, Mono co ..... Annual Meeting Sep 1
Mica Rica de Las Flores, Cal. co ..... Annual Meeting Aug 24
Mrggle, Lander co., $5 ..... Sep 9—Sep 29
Mt. Zion ..... Annual Meeting Sep 3

North Star, Santa Catalina, 10c ..... Aug 11—Aug 27*
North Star, R. R., $2 ..... Aug 20—Sep 2
Nevada Copper, Nevada co., 50c ..... Aug 13—Aug 25
Nuestra Senora de Guada', Mex. $1 ..... Aug 20—Sep 5
Nelson, Inyo ..... Sale Aug 17
New England Cons,, Santa Catalina, Annual Meeting Aug 22
New York Quartz, El Dorado co., $1.25 ..... Aug 20—Sep 2
New Era, Tuolumne co., 50c ..... July 30—Aug 15
New Year Diggings, Tuolumne $1.50 ..... Sep 2—Sep 14
North Potosi, Virginia, $12½ ..... Sep 8—Sep 20

Ossipee, Eldorado co., 5c ..... Aug 27—Sep 13*
Oxford Beta, Esmeralda, 50 cents, ... Aug 13—Aug 31*
Open Sesame, Clayton District, $1 ..... Aug 12—Aug 27
Occidental, Los Angeles co., 30c ..... Aug 6—Aug 20
Occidental Copper, Del Norte, 40c ..... Aug 1—Aug 25
Overman ..... Sale Aug 25, Gold Hill
Occidental Copper, Soledad ..... Annual Meeting Aug 24
Ouk Flat Quartz, Sierra co ,20c ..... Aug 30—Sep 13
Ontario, R. R. ..... Annual Meeting Aug 17
Ontario, R. R., $5 ..... Aug 31—Sep 14
Owens River, Inyo, $3 ..... Sep 3—Sep 14
Old Hickory, Lander co ..... Sale Aug 22
Ontario, R. R. ..... Anuual Meeting Aug 17

Palmyra cons ..... Annual Meeting Aug 22*
Porter, Virginia, N. T., $5 ..... Aug 27—Sep 10*
Palma, Sonora, Mex , $1 ..... Aug 27—Sep 10*
Peua Silver, Lower California, $3 ..... Aug 20—Sep 3*
Prince Imperial, Calaveras co ..... July 30—Aug 17
Peninsular, San Antonio, 50c ..... July 30—Aug 13
Paris, Gold Hill, 50c ..... Aug 13 Aug 27
Patrocina & Dolores, Mex., $2 ..... Aug 13—Aug 24
Planet, Arizona, 50c ..... Aug 25—Sep 7
Peninsula, San Antonio, $10 ..... Aug 25—Sep 9
Plumbago, Sierra, $1 ..... Sep 3—Sep 17
Piney Creek, Mariposa ..... Annual Meeting Aug 15
Prima Donna, D. G ..... Aonual Meeting Sep 7
Peytona, Virginia, $1 ..... Sep 12—Sep 30
Patrocina & Dolores, Chihuahua ..... Annual Meeting Aug 29
Pocifse, Esmeralda, 50c ..... Sale Sep 15

Queen of Antilles Cons., R. R., 5c ..... July 30—Sep 2*
Quartz Mountain, 40c ..... July 30—Aug 19*

Rose Matilda, Santa Catalina, 10c ..... Aug 11—Aug 27*
Real del Monte, Esmeralda ..... Sale Aug 22
Royal Eagle & Cliff, Gold Hill, $1 ..... July 27—Aug 20
Rancheria, San Antonio, $1 ..... Aug 18—Aug 31
Rosario and Carmen, $1 ..... Aug 20—Sep 2
Ronch, Mono co ..... Annual Meeting Sep 1
Rhodes Diggings, Sacramento co., $1.50 ..... Sep 10—Sep 24
Rhodes Diggings ..... Quarterly Meeting Aug 22
Rayas, Durango ..... Annual Meeting Aug 15

Steamboat, Sierra, Humboldt co., $1 ..... Sep 10—Sept 25*
Santa Maria, Santa Fe, Lander co. ..... Aug 13—Sep 15*
Simpson & Bosselle, Carson Valley, 30c ..... Aug 6—Aug 27*
Sierra Nevada G. Q., Sierra co., 50c ..... Sep 3—Sep 17*
Sisters, Augusta, R. R., 2 ass'ts 15c each ..... July 30—Aug 31*
Standard, Amador, R. R ..... Sale Aug 22*
Sumner, $5 ..... Adv July 22—Sale Aug 20
San Marcial, Sonora Mex ..... July 26—Aug 15
Sixty Ninth, Sierra co., 3c ..... Levied June 25
Sierra, Ornsby co., $2 ..... July 27—Aug 15
Soledad, Los Angeles co, 25c ..... Aug 9—Aug 23
San Francisco, Gold Hill, $5 ..... Aug 2—Aug 15
San Marcial, Sinaloa ..... Sale Aug 20
Salvatierra, Catalina Island, 50c ..... Aug 8—Aug 22
Segregated Crown Point, Gold Hill, $25. ..... Aug 9—Aug 22
Scott Mining and Exploring, Humboldt, 75c .. July 31—Aug 15
Shuron, Gold Hill, $1 ..... Aug 3—Aug 15

San Francisco Stock & Exchange Board and Pacific Board of Brokers.

WEEKLY REPORT OF PRICES BID AND ASKED.*

				Saturday.		Monday.		Tuesday.		Wednesday.		Thursday.		Friday.	
WASHOE STOCKS.	ASS'T.	SHARES.	VAL.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.	BID.	ASKED.
Ophir		1,400	16,300	300	525	680	500	510	425	500	475	600	500	675	625	690
					—	—	475		465	500	—	—	525	—	—	—
Gould & Curry		1,200	4,500	500	930	1,025	1,000	1,100	1,150	1,200	1,350	1,400	1,400	1,460	1,250	1,350
					965	1,000	1,000	—	1,160	—	1,350	—	1,390	1,480	1,290	1,300
Savage		800	800	2,000	1,000	1,050	1,000	1,200	1,030	1,100	1,175	1,300	1,180	1,300	1,100	1,200
									385	—	1,625	—	—	—	—	—
Chollar		1,400	5,600	800	275	320	250	315	290	330	340	—	375	440	360	370
					—	—	—	—	275	350	300	400	320	500	475	475
Potosi		1,400	2,800	500	880	950	875	950	840	950	875	900	840	860	810	850
									850	—	—	—	800	—	825	—
Hale & Norcross		400	800	500	—	—	—	—	210	—	200	500	275	400	325	400
					225	500	—	600	—	—	—	—	300	475	—	—
Sierra Nevada		3,000	3,000	500	10	30	6	25	10	25	—	25	—	—	—	20
					—	—	—	—	—	—	—	—	—	—	—	—
Dancy		2,000	800	60	20	50	22½	—	20	—	25	—	20	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Burning Moscow		4,100	4,100	500	14	15	14	16	16	16	15½	17½	16½	17½	15	18
					15½	15½	13	16	16	18	16	18	16½	17½	—	16½
North Potosi		2,000	2,000	250	39	40	35	50	35	55	40	60	40	50	—	—
					40	55	40	55	—	—	—	—	—	—	—	—
North American		4,100	4,100	300	—	—	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Lady Bryan, F D		5,000	5,000	100	—	—	—	—	—	—	—	—	—	—	—	—
					3½	4	3½	3½	3	3½	5	5½	4½	4½	3½	3½
Keokuk, Contra Costa		15c														
Kentucky, Mmo. Follx		50c														
Kohler Bros, San Antonio, Mex., $1																
					2¾	2¾	2¾	2¾	2½	3	2¾	2¾	2¾	2¾	2¾	2¾
Bait. American		2,600	2 600	500	—	—	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Uncle Sam		1,200	1,200	200	120	—	100	—	100	—	175	240	200	250	190	250
					—	—	—	—	—	—	—	—	—	—	—	—
El Dorado		1,000	1,000	500	1½	2¼	1½	2½	2	2½	2½	3	2½	4	2½	4
					—	—	—	—	30c	—	—	—	—	—	—	—
Burnside		2,800	2,800	500	—	—	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Adriatic		2,700	2,700	100	—	—	—	—	—	—	—	—	—	—	—	5
					—	—	—	—	—	—	—	—	—	—	—	—
Pride of West		1,400	1,400	100	1	2½	½	4	½	5	1	4	½	—	1	2
					—	—	—	—	—	—	—	—	—	—	—	—
Imperial		184	4,000	500	136	140	135	140	138	142½	141½	142½	139	140	132	135
					—	—	135	—	132½	—	—	—	—	—	—	—
Crown Point		600	1,200	100	—	—	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Seneca		—	—	—	10	12	7½	—	7½	—	10	15	7½	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Caledonia Tun'l					—	—	—	1	—	1	½	1	—	1	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Bajazet & G Era		4,000	4,000	500	—	—	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
ESMERALDA.																
Wide West		1,400	1,400	2,500	13	14	12	14	14½	15	16	19	16	17	12½	14
					13	15	14	17	15	15	16½	17½	15½	17	13½	13¾
Antelope		1,200	1,200	500	25	—	30	40	30	50	21	—	15	—	20	50
					—	—	—	—	—	—	—	—	—	—	—	—
Esmeralda		1,600	1,600	1,000	—	—	—	—	—	—	—	—	—	5	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Real del Monte		4,400	4,400	400	—	17	11	17	—	—	14	17	15	25	12	—
					11¾	15	11	15	15	15	15	18	15	20	15	16½
Utah		1,600	1,600	250	—	—	—	—	—	25	—	—	—	—	11	24
					—	—	—	—	—	—	—	—	—	—	—	—
Golden Age & Em		2,600	2,600	250	—	—	—	—	—	—	—	—	—	—	—	—
					10	15	8¼	10	0	9½	5	9	7	7½	6¾	7¼
COSO.																
Josephino		9,600	4,800	2,500	—	—	—	3	—	3	—	5	—	5	—	—
Coso		2,600	3,600	600	—	—	—	—	—	—	—	—	—	—	—	—
COPPER.																
Napoleon		2,700	2,700	600	—	65	—	—	—	—	—	—	—	—	—	—
					—	—	—	—	—	—	—	—	—	—	—	—
Live Oak		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
					—	—	—	50	50	—	50	—	—	—	—	—
CALIFORNIA.																
Blue Ledge		1,000	1,00 0	1,200	—	—	—	—	—	—	—	—	—	—	—	—
					2½	2½	—	2¾	2¼	2¾	1¾	2¾	—	2¼	2	2¼

*—The first line of figures opposite the name of each Company represents the Stock Exchange, and the following line the Pacific Board.

Superior, Plumas co., 50c ..... July 30—Aug 13
Scottish Chief, Humboldt co., $1 ..... Aug 9—Aug 24
Salambo, Tuolumne co., 50c ..... Aug 16—Sep 3
Santa Rosa de Ures, Mex., 50c ..... Aug 15—Aug 27
Starlight, Humboldt co., 50c ..... Aug 10—Aug 30
Siempre Viva, Sinaloa, $2.50 ..... Aug 20—Sep 3
Santa Teresa de Jesus, Cueurpe, Mex., 50 ..... Aug 20—Sep 5
Sailor, Calaveras co., 20c ..... July 30—Aug 13
Sierra, Douglas co., $2 ..... Aug 11—Aug 15
San Francisco, Gold Hill, 40c ..... Aug 18—Aug 31
Santa Anna, San Antonio, Mex., 10c ..... Aug 19—Aug 31
Star of Hope, Alpine co, 35c ..... Aug 19—Sep 5
Santa Cruz, San Antonio, $2.50 ..... Aug 22—Sep 2
San Antonio, Chiquito, Mex ..... Salo Aug 31
San Lorenzo, Santa Cruz, 50c ..... Aug 22—Sep 7
Seneca, Virginia, $5 ..... Sep 2—Sep 16
Silver Cloud, Alpine co., 50c ..... Aug 23—Sep 8
San Carlos Exploring & Mining, $4 ..... Aug 31—Sep 12
Sweet Vengeance, Yuba co., $1 ..... Sep 6—Sep 20
San Marcial, Sinaloa ..... Annual Meeting Aug 16
Stanislaus ..... Annual Meeting Aug 15
Siskiyou, Siskiyou co., $1 ..... Sep 10—Sep 21
Standard, Lander co., $1.50 ..... Sep 13—Sep 28
San Loreuzo ..... Annual Meeting Aug 15
Sheba, Star City, Humboldt co., $10 ..... Sep 12—Sep 24

Teutonia, San Miguel, 25c ..... Aug 6—Aug 20*
Tellurium, Pine Grove dis., Amador co., $1. Aug 13—Aug 27*
Tallulah, Sierra, $15 ..... June 17—Aug 19
Texas, R. R., $1 ..... Sep 12—Oct 1
Tecumseh, Gopher, $3 ..... Aug 22—Sep 6
Tesoro, Lower California, $1 ..... Aug 18—Aug 31
Tennessee, Echo, 50c ..... Aug 13—Aug 30
Toledana, Mariposa, 25c ..... Aug 22—Sep 9
Tentonia, Mount Diablo ..... Special Meeting Aug 23
Tranquillion, Fresno ..... Annual Meeting Aug 15
Tecumseh ..... Adjourned Meeting Aug 18
Tulare, Inyo, 40c ..... Aug 31—Sep 14
Tornado, 30c ..... Sep 3—Sep 15
Triunfo, San Antonio, $1 ..... Aug 31—Sep 14

Union, Copper No. 2 ..... Special Meeting Aug 18
Union, Sierra co., Dividend ..... Payable July 15
United States, Lander co, $1 ..... Sep 10—Sep 24

Veatch, Clifton ..... Sale Aug 22

Well Partridge, Weaver, A. T., 12½c ..... July 30—Aug 27*
Wide West Cop., Calaveras co., 20c ..... Aug 13—Aug 27*
Wellington, Santa Catalina, 25c ..... Aug 17—Aug 31*
Warfield, Placer co., 15c ..... Aug 5—Aug 22*
Williams, Silver Mountain, 25c. 20c & 25c ..... Aug 1— Sept 1
Wm. Penn Cons ..... Annual Meeting Aug 18
Washington, Lander co., 50c ..... Sep 1—Sep 15
Winona ..... Annual Meeting Aug 22

Young Harmon, El Dorado co., 25c ..... Aug 8—Aug 23
Yellow Jacket, 11 per cent ..... Levied Aug 1
Yankee Blade, R. R., $5 ..... Sep 16—Oct 3
420, Virginia, $6.25 ..... Aug 22—Sep 6

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.

Sales of Mining Shares

For the week previous to Saturday, Aug. 13.

By the San Francisco Stock and Exchange Board, and Pacific Board of Brokers.

NAMES OF COMPANIES.	SHS. SOLD.	HIGHEST.	LOWEST.	CLOSING.
Burning Moscow	163	17	15	10¾
Blue Ledge	45	2½	2	2
Buckeye	90	2¾	2¼	2¾
Bullion	4	80	30	30
Chollar	50	425	325	425
Crockett	180	1¾	1½	1¾
El Dorado	130	3	1½	3
Gould & Curry	296	1600	1000	1375
Golden Age & Empire	55	7¼	6¾	6¾
Hale & Norcross	4	325	325	325
Imperial	78	142½	138	138
Lady Bryan	2330	5¾	3	3¾
Melones	72	20	13	15
Mt. Davidson	32	2¼	2¼	2¼
North Potosi	40	42¾	40	42¾
North American	15	25	25	25
Nevada, J. G.	40	12¾	0	0
Ophir	258	550	425	425
Potosi	12	900	860	860
Pride of the West	50	1	1	1
Rhodes' Diggings	10	8	8	8
Real del Monte	5	15	15	15
Savage	27	1300	1000	1175
Seneca	10	10	10	10
Santa Rosa	10	2¼	2¼	2¼
Sheba	46¾	35	22	22
Uncle Sam	19	190	190	190
Wide West	218	17	12	13

Gold in New York.

Friday, Aug. 5 ..... 260@261.
Saturday, Aug. 6 ..... 262.
Monday, Aug. 8 258
Tuesday, Aug. 9 ..... 253@254.
Wednesday, Aug. 10 ..... 255.
Thursday, Aug. 11 ..... 255@257.

Legal Tender Notes.

San Francisco, Friday, Aug. 12 ..... 40 per cent.

IMPORTANT DISCOVERY
— IN THE —
Photographic Art.

Jacob Shew's
CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.

[PATENT APPLIED FOR.]

THE UNDERSIONED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a

SOFTNESS, CLEARNESS AND DELICACY OF TONE

unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.

In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privilges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.

"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.

☞ The public are invited to examine specimens at my Gallery. ☜

5-tf **JACOB SHEW.**
315 Montgomery street, near Pine.

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Mechanical and Patent Department.

Free Lectures.—The Pacific Machinists' Union, of this city, are making arrangements to give a course of free lectures, designed es pecially for the beaefit and improvement of the meehanics nud workiag meu. The first lecture of the course will be given hy Snpervisor Rowell, who will he followed by Professor Barstow, Dr. W. Ayer, nnd other gentlemen of established reputation nnd ability, who are well kaown in this community. The project is a most exeellent one, aad cannot fail to result in much substantial good. The time of commeaeement aad the place wbere tbe lectures will be given is not yet deeided npon. The snbject of the first lecture will be "Mechaaical Force." Tbe other subjeets and speakers will in time he duly announced.

The Mechanics' Fair.—The managers of the Meehanics' Fair urge npon all persons who intend to exhibit, to forward their applieations to the Committee, at the earliest possible mo ment, as the space at their command is heiag rapidly taken up. The sooner applieations are received, the better for all concerned, as it will enable the Committee to organize and arrange the different articles offered, and give to eaeh the position aad room hest caleulated to show its merits most effectively. There is no time to loose in this matter. A day or two may disappoint an exhibitor ia securing space in the Pavilion.

A New Fire Escape hae been patented hy A. T. Bellentine, of New York City. The invention coneists of a ladder combined with oae leaf of a window ehutter so as to be conceeled within it, being slid up within it by means of a wrench, and when desired the looseniag of a catch allows it to slide to the ground. The catch or locking appnratus is connected to a fnlse window-sill in such n way as to draw it ont and mnke it project from the true sill as soon as the ladder ie released from the shutter, thns forming a plntform from which to stop on the ladder.

Laroe Boilers.—Messrs. Coffey & Rideon are building two enormons hoilers for Holliday's new steamer, now on the stocke at Hunter's Point. These hoilers nre sufficiently large to nllow a horse and rider to pass through them, provided the rider would stoop a little. Each hoiler is twenty-two feet ten inehes ia length and nine feet four inches in diameter longitndinally, of eliptieal shape. They are intended to generate steam for a three hundred horse-power engine.

New Amaloamatino Pan.—Mr. Walter L. Strong, of this eity, has filed a eaveat through the Patent Ageacy eonnected with this office, for a new amalgamating pan, in which the mullers are caused to revolve ia opposite directions, thns breaking the current nnd producing a thorough and constant mixiag of the pulp.

Desulphurizino Ores.—Mr. Hezekiah Bradford, assignee to Horatio Bogard, of New York city, has obtained a pateat for a new apparatus for deculphnrizing ores, tbe claims in relation to which are stated as follows in the specification papers:—

I claim, first, moving the metallie oree grndually from the cooler to the hotter portioas of a hearth, substantially as epecified, so that the desulphuriziag operation is gradually performed as set forth.

Second, I claim the introduction of steam, or of steam aud hot air combiued, into a chamher over a hearth on which the ore ie gradually heated, substantially as and for the purposes specified.

Third. I elaim a serics of stirrers moved by a chain, in combinatiou with tbe de-sulphurizing hearth, for the purposce set forth.

Fourth, I claim a flap in combination with the stirrers and desulphurizing heartb, for allowing tho stirrers to enter and leave the chamher as specified.

Fifth, I claim a water vessel, to cool the chains and stirrers, as set forth.

Sixth, I claim the arrangement of the circulating pipes, and vessels, in combiuation with the boiler, as described aud for the purposes eet forth.

Business men in New Bedford are giving their attention to manufacturing. Several large factories are building.

Another Quartz Crusher.—Messrs. David Gay and John H. Perkins, of Long Bar, Yuba county, have obtained a patent for a quartz crusher, wherein the attaehment of a water wheel to the side of the erushing wheel, together with a peeuliar combiuation of water conduetiag nprons, is claimed. We are unable to obtain any iatelligible idea, either of the principle or utility of this invention, from the description givea in the pnblished report in an eastern paper. If all Californin inventors would communieato their inventions to us, nad' transact their business tbrough this offiee, it would be greatly to their advaatege, aad would be the means of introducing their improvemeats more directly to the attention of the public. For the short time in which our patent ageaey has been doing busiaess, we have no canse to complaia of a want of patronage—indeed, we have reason to congratulate onrselves apon the surprising inerease of our husiaess in tbnt department. But we desire to see all California inventions presented to the Patent Department and the publie through this office.

Since the above was in type we have met with the following more particular description of the above machine, which is called a "Hydraulic Quartz Crasher:"

"In this novel quartz crushing machine the common Chillian traveling crushing wheels are employed, and the patentees have hit upon the aovel idea of plneing water buckets npon the sides of the wheels, thus converting them into water wheels. The buckets are supplied from a small tank above, which rotates with the wheels, the tank being filled hy a suitable conducting trough. Whea the water is let on, the wheels travel ground in the usual circular quartz trough, without assistance from any other motor. The water is prevented from eatering the quartz trough hy an iageaious arrangement of aprons.

Low's Grain Separator.—Leonard Low of Saerameato has received a patent for a new grain separator of his invention. The *Union* says of it:—

Previous to the fire which deetroyed the Piouecr Mille, Low had constructed oae of his machines, though imperfect ia some respeets. After running with euccess for eeveral months it was destroyed with the building and machinery last fall. On the re-erection of the mills, duriag the piesent season, Low pnt up the improved separator which has been running steadily for some two months, aad works with complete success. It consiste of a series of sieves adjusted on a circular frame, supported by an upright shaft running through the center. Some of these sieves pitch toward the center aad others towards the eireumferenee. Some separate the barley and coarser material, others toward the dust and dirt, aad yet others the broken graine of wheat, etc. The frame does not revolve, but receives a horizontal oscillating motion which effectually keepe the grain astir aad hringe all the eieves in play. The peenliar eoastruction of tbis machine, and the easy motion with which it works, frees it entirely from the jarring effeet which constitutes an objection to many of the separators heretofore ia use. The points on whicb the patent is granted, are: 1st. The arraugement of the inclined screeas in quadrant sets aroand the center shaft substaatially as described aad shown. 2d. The combination of the screens and clutes when the same are arranged aroaad a center shaft and operated by oscillatiag motion substantiinlly aad in the manaer and for the purpose described. 3d. The adjustable etrips in combination with the screea supporters for the purposes of adjusting tbe inclination of the screens substantially as described. 4th. The hopper in combination with the telescopic nozzle and cross-head for the purpose of adjusting the feed of the grain substantially ns described.

Explosion of Gun-Cotton.—Dr. Phipson has addressed the following to the *London Mining Journal*:—"I see in the newspapers tbat a terrible explosioa of gun-cotton.accompanied by loss of life, has lately occurred in the works of Messrs. Prentice & Co. It is supposed to have been caused by a spark from some steel machinery. Photographers will remember that, a year or so ago, the photographic chemist Dorubach lost his life by an explosion of gun cotton, while packing this substance into a cask by means of a wooden pole. Since this sad occurrence I have alrendy twice stated that the explosion which killed M. Leon Dorubach was evidently caused by an eleetric spark. Persons who handle gun-cotton are apt to forget (or, perhaps, are not always aware) that it is one of tbe most electrical substances known, and that friction, far too slight to develop heat enough to enflame it, will develop in gun-cotton so considerable an electric tension that electric eparks may be obtaiued from it."

CAST IRON STEAM BOILERS.

Much interest has been taken by engineers duriag the past two years in the experiments wbich havo been in progress with a new kind of steam boiler, known ns "Harrieon's Cast Iron Steam Boiler," invented some few years ngo in Philadelpbia. These boilers have been nt work for several yeare ia some of the east ern cities, and for over two years in London aad Manehester, England, and according to all accounts, with complete success. The merits of this hoiler were reeently fully eanvassed nt a meeting of the Institution of mechaaical Engiaeers of Birmingham, Eng., where its advantages nppeared to be fully acknowledged. Full reference was made to its successful use in Great Britain.

This boiler is constructed of a large nnmber of hollow east-iron spheres of small diameter, in order to provide great strength against burstiug, and to allow of being safely worked at considerably higher pressures of steam, and to obtaia a larger extent of heating surface in proportion to the weight and external dimensions of the boiler. The spheres are connected by hollow necks, and are cast in sets of four together; a series of theso castings are secured together all in one plane, by long bolts ruaaing through the iaterior of the spheree, the joints being turned and faced by maehinery all to exactly the same gauge, so as to be completely water-tight and steam-tight when the bolts are screwed up. This series of spheres is fixed vertically over the firegrate, formiug one section of the boiler; and a number of these sections are placed side by side nnd end to end, according to the extent of boiler power that is required. The sectioas aro elevated nt the front end to such an inelination ae allows all the spheres to empty themselves when the water is ran off from the lowest point of each section; and this iaclination is fouud to afford ample natural circulation of the water, the feed water being introduced at tbe lowest extremity in all tho seetione, while the steam is taken off from the highest by means of transverse feed and steam pipes eonnected ta each of the sections. The boiler is filled with water to eboat two-thirds of its content, the upper spheree being employed for drying the steam. The spheres are each 8 in. outside diameter, and ½ ia. thiek, and have been tested hy hydrnulic pressnre up to 1500 lbs. per square iach. without showing any signs of injury; aad ao case has occurred of aa explosion of any of the epheres, nor have tbey giveu any trouble from leakage at the joints. The boiler possesses eomplete freedom from accumulation of scale, as the whole of tho scale is washed out in small thin fragmeats when the boiler is blown oat at the end of each week, tho total quaatity of water contained in the boiler being very small compared with that in ordiaary boilers of the same power. The result of many months' eontinnous working of the boilers has heea fonad to be that no accumnlation of scale hae taken place ia the epheres, nor have their inner surfaeee required any cleansing since they were put to work; while ordinary boilers, working iu the same situatioa, and with the same water, have speedily become coated with a thick seale, requiring removal with a hammer. The new boiler has been found to give a good evaporative duty; and tho steam is completely dried nnd partly euperheated by the large extent of surface exposed to the heat from the fire by the upper spheres, which form the steam-room of the boiler.

At the meetiag ahove referred to in Birmingham, a speeimen wae exhibited of one of tbe sections of the boiler, and also of the feed and steam pipe connections at top and hottom of the several seetione. Samples were also shown of the small fragments of thia ecale blown out from the hoiler in regular working; and of the thick scale from the interior of an ordinary Lancashire hoilor, nsiag the same water.

A new hoiler for steam engines has heen patented by an Irish inventor of the name of Elsoa. It consists of a number of cast iron bottles, twelve inches in diameter and six feet in length, set in ovens, and connected in their steam and water spaces. Forty-two of these evolve a power of sixty horses. The advantages claimed are the cheapness of construction, durability and freedom from danger of explosion. The inventor is said to have applied his boiler with complete success.

We find the above going the rounds of the papers, both in this and the Atlantic States. The invention appears to be the same, in principle, as the American iuvention. by Harrison, which was made fully three years earlier, and which will be found fully described in auother column.

A Marvelous Mechanical Contrivance.—A Polander, named Herr Nndolski, has arrived iu this eity with a eabinet, manufactured by himself, which puts Lincoln's and the Davenport Brothers,' and all other eabinets entirely in the shade. A private exhibition of this wonderful eabinet was given in the leetnre room of Barnum's Museum this forenoon, preliminary to its public exhibition nt the same place during week. The eabiaet, as it appears on the stage before being opened, is a mahogany ease, four feet six inches in hight, three feet in width, aud two feet thick. From this compaet box, bnt little larger than a good sized traveling trunk, Herr Nadolski draws forth, one after another, the following articles, comprising a complete eet of parlor, diniagroom and bed-room furnitnre:

A judges large table, eight feet long; three books and ornaaent; six chairs; four large card tables; four ladies' work-boxes; a whatnot; a lady's work table, inlaid with straw; an artist's easel; four music stands; a smoking table; a smoking tray; a round toilet table; two Chinese fashion tables; two little fancy tables; two large Chinese lamps, lighted; a footstool; a Chinese toilet table; a faacy toilet table; a ehess table, made ont of forty-nine different classes of wood; a tea tray; a large chandelier, coataining twelve wax lights; a full sized bed aad bedstead, with hangings eomplete; four candlesticks, with lighted caudles; four small flower tables; four flower pots, with flowers; two Chiaese parlor candlestieks with candles n-light; five small Chiaeso lamps, a-light; fourteen fancy boxes; an embroidery frame; a dining table, twelve feet long; with twenty-four covers, laid complete; nine garden chairs; a writing desk; two rulers and bells; a rounnd bed table; a bed lemp; a swing cot; a little drawing room table. A little cese, measuring only four inches high, fourteen iaches long, and eight inches thick, containe 4 large dishes, 28 platee, 6 salt eellars, 30 drinking cups, 34 knives, 24 forke, 24 spoons, a large caadelabra, with 5 wax ligbts; a throne decornted, a lerge throae chair, a large table, inlaid with shelle and glass top, etc.

Each article in the above list is an exquisite piece of workmanship, and the wholo together presents an array of bousehold furniture sufficient to excite the envy of Mrs. Toodles, and to furnish stock in trade for half a dozen auctioneers. It is the most wonderful pieee of mechanieal ingenuity ever eeen in this country, and well deserves n visit from the curious.—*N. Y. Jour. Com.*

Bearino Surfaces.—The London *Mechanics' Magazine*, ia spoaking of hearing surfaces where high speed is employed, says:—

"The fact is, that the brasses will not permit of that amount of looseuese or play which may exist in any other bearings almoet, because of the destructive hammering action which ensues. It ie not eo easy to say why tightening a brass should make it heat; we find in every-day practice that a bearing which supports perhaps 1 cwt. per square inch, without undne friction so loag as it is left moderately elack, will become almost red hot in a few minutes, if an ndditional pressnre of not more than a few ponnds per square inch ie brought on it hy serewing down the cap. Until we ean give n eatisfactory explaaation of this phenomenon, it is not easy to eee how its occurrenee can be guarded against. Meaawhile, it is the source of all the troublo ever met with from a eonnecting rod end. The hest remedy appears to consist ia inerea-ing the surfaee very considerably, and providing an effectaal method of lubricatioa, either by n teleseope pipe from an overhead vessel of oil, in cases where tbe engine stands for a few hours out of the twenty-four, by boring a large cavity in the crank-pipe, aad filling it with tallow, a transverse apertnre conveying the lubricant when melted to the surfaces where its presenee is required. Attention to little matters of detail aad good workmanship are really all that are required to insure the success of any motor runniag at a high speed.

An Important Invention.—The *Piute* says William Frank Stewart, now in Virgiaia city, has nndonbtedly perfected a machine and chemical process hy which the waste of all quartz mills can be worked to yield nearly ae much gold and silver per ton as is saved hy the mills. Experiments have lately been fully and satisfactorily made at one of the beet mills in Gold Hill.

A Torpedo boat is coastructing at East Haven, Connecticut. She will be homb proof, covered with iron plates of a greater thickness than those upon the monitors, aad provided with powerful machiuery.

The annual Fair of the San Joaquin Valley Agricultural Soeicty will be held in Stockton, commencing on Tuesday, September 14th, and continuing four days. Hon. S. W. Brockway, of Mokelumne Hill will deliver tbe address.

New Stamp Duties.

The following is a corrected copy of the new schedule of stamp duties under the revenue law which took effect on August 1st, 1864:—

Acknowledgment of deeds.....exempt
Affidavit.....5 cts
Affidavit in suits or legal proceedings.....exempt
Agreement or appraisement (for each sheet or piece of paper upon which the same is written).....5 cts
Assignment or transfer of mortgage, lease or policy of insurance, the same duty as the original instrument.
Assignment of patent right.....5 cts
Bank checks, drafts, orders, etc, at sight or on demand 2 cts
Bills of exchange (foreign) drawn in but payable out of the United States, each bill, or set of three or more, must be stamped.
For every bill of each set, where the sum made payable does not exceed $100, or the equivalent thereof in any foreign currency in which such bills may be expressed, according to the standard of value fixed by the United States.....2 cts
For every additional $100 or fractional part thereof, in excess of $100.....2 cts
Bills of exchange (foreign) drawn in but payable out of the United States (if drawn singly or in duplicate) pay the same duty as inland bills of exchange.
[The acceptor or acceptors of any bill of exchange or order for the payment of any sum of money, drawn or purporting to be drawn in any foreign country, but payable in the United States, must, before paying or accepting the same, place thereon a stamp indicating the duty.]
Bills of exchange (inland), draft or order, payable otherwise than at sight or on demand, and any promissory note, whether payable on demand or at a time designated (except bank notes issued for circulation and checks made and intended to be, and which shall be presented forthwith for pay't) for a sum not exceeding $100..5 cts
For every additional $100, or fractional part thereof..5 cts
[The warrant of attorney to confess judgment on a note or bond is exempt from stamp duty, if the note or bond is properly stamped.]
Bills of lading of vessels for ports of the United States and British North America.....exempt
Bills of lading, or receipt for goods, to any for'n port 10 cts
Bill of sale of any vessel, or part thereof, when the consideration does not exceed $500.....50 cts
Bill of sale exceeding $500, and not exceeding $1000...1 00
Bill of sale exceeding $1000, for each $500, or fractional part thereof.....50 cts
Bill of sale of personal property (other than ships)...5 cts
Bond, personal, for the payment of money. [See Mortgage.
Bond, official.....$1 00
Bond, for indemnifying any person for the payment of any sum of money, where the money ultimately recoverable thereupon is $1,000 or less.....50 cts
Bond, where the money recoverable exceeds $1,000, for every additional $1,000, or fractional part thereof.50 cts
Bonds—county, city and town bonds, railroad and other corporation bonds and scrip are subject to stamp duty. [See Mortgage.]
Bonds of any description, other than such as are required in legal proceedings, and such as are not otherwise charged in this schedule.....25 cts
Certificates of deposit in bank, sum not exc'd $100..2 cts
Certificate of deposit in bank, sum exceeding $100....5 cts
Certificates of stock in an incorporated company....25 cts
Certificates, general.....5 cts
Certificates of record upon the instrument recorded, ex'pt
Certificates of record upon the book.....exempt
Certificates of weight or measurement of animals, coal or wood, or other articles, except weighers' and measurers' returns.....exempt
Certificates of a qualification of a Justice of the Peace, Commissioner of Deeds, or Notary Public.....5 cts
Certificates of search of records.....5 cts
Certificates that certain papers are on file.....5 cts
Certificates that certain papers cannot be found.....5 cts
Certificates of redemption of land sold for taxes.....5 cts
Certificate of birth, marriage and death.....5 cts
Certificates of qualification of school teachers.....5 cts
Certificates of profits in an incorporated company for a sum not less than $10, and not exceeding $50.....10 cts
Certificates exceeding $50, not exceeding $1,000....25 cts
Certificates exceeding $1,000, for every additional $1,000 or fractional part thereof.....25 cts
Certificates of damage, or otherwise, and all other certificates or documents issued by any port warden, marine surveyor, or other person acting as such.....25 cts
Certified transcripts of judgments, satisfaction of judgment, and of all papers recorded or on file.....5 cts
[N. B.—As a general rule, every certificate which has, or may have, a legal value in any court of law or equity, will require a stamp duty of 5 cts.]
Charter party, or letter, memorandum, or other writing between the captain, owner or agent, of any ship, vessel, or steamer, and any other person, relating to the charter of the same, if the registered tonnage of said ship, vessel or steamer does not exceed 150 tons.....$1 00
Charter party, etc., exceeding one hundred and fifty tons, and not exceeding three hundred tons.....$3 00
Charter party, etc., exceeding three hundred tons and not exceeding six hundred tons.....$5 00
Charter party, etc., exceeding six hundred tons....$10 00
Check, draft, or order for the payment of any sum of money exceeding $10, drawn upon any person other than a bank, banker, or trust com'y, at sight or on demand 2 cts
Contract. [See Agreement.]
Contract—Brokers.....10 cts
Conveyance, deed, instrument, or writing, whereby lands, tenements or other realty sold shall be conveyed, the actual value of which does not exceed $500.....50 cts
Conveyance, etc., exceeding $500, and not exceeding one thousand dollars.....$1 00
Conveyance, etc., for every additional five hundred dollars or fractional part thereof, in excess of one thousand dollars.....50 cts
Entry of any goods, wares or merchandise at any Custom House, either for consumption or warehousing, not exceeding one hundred dollars in value.....25 cts
Entry exceeding one hundred and not exceeding five hundred dollars in value.....50 cts
Entry exceeding five hundred dollars in value.....$1 00
Entry for the withdrawal of any goods or merchandise from bonded warehouse.....50 cts
Gauger's returns, if for quantity not exceeding 500 gallons gross.....10 cts
Gaugers' returns, exceeding 500 gallons.....25 cts
Indorsement of any negotiable instrument.....exempt
Insurance (Marine, Inland and Fire) where the consideration paid for the insurance, in cash, premium notes, or both, does not exceed $10.....10 cts
Insurance (Marine, Inland and Fire) exceeding $10 and not exceeding $50.....25 cts
Insurance (Marine, Inland and Fire) exceeding $50..50 cts
Insurance (Life) when the amount insured does not exceed $1,000.....25 cts
Insurance (Life) exceeding $1,000 and not exceeding $5,000.....50 cts
Insurance (Life) exceeding $5,000.....1 00
Insurance (Life) limited to injury to person while traveling.....exempt
Lease of lands or tenements, where rent does not exceed $300 per annum.....50 cts
Lease of lands or tenements exceeding $300, for each additional $200, or fraction thereof in excess of $300...50 cts
Leases of lands or tenements, perpetual, subject to stamp duty as a "conveyance," the stamp duty to be measured by resolving the annual rental into a capital sum.
Lease of land or tenements, clause of guaranty of payment of rent, incorporated or indorsed, five cents additional.
Manifest for Custom House entry or clearance of the cargo of any ship, vessel or steamer, for a foreign port, if the registered tonnage of such ship, vessel or steamer does not exceed 300 tons.....$1 00
Manifest exceeding 300 tons and not exceeding 600...$3 00
Manifest, exceeding 600 tons.....5 00
Measurers' returns, if for quantity not exceeding 1000 bushels.....10 cts
Measurers' returns, exceeding 1,000 bushels.....25 cts
Mortgage, trust deed, bill of sale, or personal bond for the payment of money exceeding $100 and not exceeding $500.....50 cts
Mortgage, exceeding $500, for every additional $500, or fractional part thereof in excess of $500.....50 cts
Pawnors checks.....5 cts
Pension papers, powers of attorney, and all other papers relating to applications for bounties, arrearages of pay, or pensions, or to receipt thereof.....exempt
Passage ticket from the United States to a foreign port costing not more than $35.....50 cts
Passage ticket from the United States to any foreign port, costing more than $35, and not exceeding $50.....1 00
Passage ticket for every additional $50, or fractional part thereof in excess of $50.....1 00
Powers of attorney to sell or transfer stock, or to collect dividends thereon.....25 cts
Power of attorney to vote at election of incorporated company.....10 cts
Power of attorney to receive or collect rents.....25 cts
Power of attorney to sell, or convey or rent, or lease real estate.....1 00
Power of attorney for any other purpose.....50 cts
Probate of will, or letters of administration, where the value of both real and personal estate does not exceed in the aggregate $2,000.....1 00
For every additional $1,000, or any fractional part thereof in excess of $2,000.....50 cts
Bonds of executors, administrators, guardians, or trustees, are each subject to a stamp duty of.....1 00
Certificate of appointment.....5 cts
Protest upon bill, note, check, or draft.....25 cts
Promissory note—[see bills of exchange, inland.]
Promissory deposit note in mutual insurance companies, when policy is subject to duty.....exempt
Promissory note, renewal of, subject to the same duty as original note.
Quit claim deed, to be stamped as a conveyance, except when given as a release of a mortgage by the mortgagee to the mortgagor, in which case it is exempt.
Receipt for the payment of any sum of money or debt due exceeding $20, or for the delivery of any property..2 cts
Receipt for the satisfaction of any mortgage or judgment or decree of any court.....exempt
Sheriff's return on writ, or other process.....exempt
Trust deed, made to secure a debt, to be stamped as a Mortgage.
Trust deed, conveying estate to uses, to be stamped as a conveyance.
Warehouse receipt for any goods, wares, or merchandise, not otherwise provided for, deposited or stored in any public or private warehouse, not exceeding $500 in value.....10 cts
Warehouse receipt exceeding five hundred and not exceeding one thousand dollar.....20 cts
Warehouse receipt exceeding $1,000, for every additional $1,000, or fraction thereof in excess of $1,000.....10 cts
Warehouse receipt for any goods, etc., not otherwise provided for, stored or deposited in any public or private warehouse or yard.....25 cts
Writs and legal documents·
Writ, or other original process by which any suit is commenced in any court of record, of law or equity...50 cts
Writ, or other original process issued by a court not of record, where the amount claimed is $100 or over...50 cts
Writs, or other processes on appeals from Justices' Courts, or other courts of inferior jurisdiction, to a Court of record.....50 cts
Warrant of distress, when the amount of rent claimed does not exceed $100.....25 cts
Warrant of distress when the amount exceeds $100..50 cts
Writs, summonses, and other process issued by a Justice of the Peace, Police or Municipal Court of no greater jurisdiction than a Justice of the Peace in the same State, exempt.
Writs, and other process in any criminal or other suits commenced by the United States in any State.....exempt
Official documents, instruments, and papers issued or used by officers of the United States Government.....exempt
Upon every confession of judgment or cognovit for $100 or over, except in cases where the tax for a writ has been paid.....50 cts

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How to Repair the Silvering of Looking-Glasses.—The repairing of the silvering on the backs of looking-glasses has hitherto been considered a very difficult operation. A new and very simple method, however, has been described before the Polyteenic Society of Leipsic. It is as follows:—Clean the bare portion of the glass by rubbing it gently with fine cotton, taking care to remove any trace of dust and grease. If this cleaning be not done very carefully, defects will appear around the place repaired. With the point of your knife cut upon the back of another looking-glass around a portion of the silvering of the required form, but a little larger. Upon it place a small drop of mercury; a drop the size of a pin's head will be sufficient for a surface equal to the size of the nail. The mercury spreads immediately, penetrates the amalgam to where it was cut off with the knife, and the required piece may now be lifted and removed to the place to be repaired. This is the most difficult part of the operation. Then press lightly the renewed portion with cotton; it hardens almost immediately, and the glass presents the same appearance as a new one.

An Item for Housewives.—Cotton may be distinguished from linen in a cloth fabric by means of a microscope; the former fibres being flat, riband-like, and more or less contorted or shriveled, and the latter straight, round, and with cross knots at certain distances. These two fibrous matters may be also distinguished by the action, at a boiling heat, of a strong caustic lye, made by dissolving fused potash in its own weight of water. By digestion in this liquor, linen yarn becomes immediately yellow, while the cotton yarn remains white. The best way of operating is to immerse a square inch of the cloth to be tested, for a few minutes, in the above boiling hot caustic lye, to lift it out on a glass rod, press it dry between folds of blotting paper, and then to pull out a few of the warp and weft threads, when the linen ones will be found of a deep yellow tint but the cotton white or very pale yellow.—*National Intelligencer.*

What is Astrakan?—Many women the past winter have worn Astrakan without thinking what it is. Astrakan, as its name indicates, is an Asiatic invention. They couple a black ewe with a black ram. Before the dam has given birth to the young, she is killed and the lambs are taken from her womb. Their wool is jet black and of an extreme fineness. It costs very dear; there are Persians whose Astrakan bonnets are worth 500 francs ($100) a piece. This statement is worthy of notice by ladies who have false Astrakan—Astrakan the wool of which is long and dyed.—*Le Moniteur Illustre des Inventions.*

Cotton in India.—An old inhabitant of Berar informs the Bombay *Times* that such has been the influx of silver into the assigned districts of the Deccau, Hyderabad, and so greatly has the cotton crisis enriched the Combee cultivators, that one of them, in the performance of some vow, actually had a plowshare made of silver, plowed his field with it for some hours, and then broke it up and distributed the silver amongst five or six cultivators. The people were profoundly impressed by the event, and affirmed that such a thing was never heard of before, even in the Shastras.

Learning a Lesson.—A writer in the London *Star*, commenting upon Grant's campaign before Richmond, says, "all the military men of Europe may learn a lesson from what is in progress in those memorable fields in Virginia; just as our sailors have got very serious food for reflection in the sinking of the Alabama." From this, it would seem that our English cousins are disposed to learn a "lesson" from the defeat of the English pirate by the American cruiser. That the combat was in every respect an international one, is now well understood. It was an American built vessel against an English built vessel; American guns against English guns; and American sailors against English sailors.

Yankee Mechanical Skill and Perseverance.—The fighting qualities of Sherman's army are not the greatest of its efficient qualifications. Much of its success is due to the mechanical skill and ingenuity it possesses. A correspondent of the Cincinnati Inquirer, writing in sight of Atlanta, says that nothing surprises the rebels more than the rapidity with which all damages to the road, as they fall back, are repaired, and the shortness of time that intervenes till our trains are rattling on their rear:

"Yesterday, a prisoner remarked that they did not care for being driven back so much, 'but,' he said, 'to hear your d—d locomotives whistling the next day right on our heels, when we thought to delay you for weeks, surprises and vexes us.' The last rebel trains left Vining's Station, after they had just injured the road behind, on the 5th, at ten o'clock A. M. Yesterday, the 7th, our trains arrived at the same point, locomotives whistling most fiercely in the ears of the startled rebels, showing them that the damage had been repaired, and that our supplies and trains were again arriving at the front."

Superior Brick.—The Reese River *Reveille* says that a very superior material for making brick is found, in great abundance in Pleasant Valley, Summit District, near Austin. The brick made from it, is of a cream color, and when suspended and struck with a hard substance rings like a piece of steel. The *Reveille* further adds that it is only near Milwaukee, Wisconsin, that brick are burnt to such a color, the beauty of which has given to that city a peculiar and attractive feature. In Dana's Mineralogy, on the subject of bricks, those of Milwaukee are considered worthy of special notice. The reason he gives for their color is the want of oxide of iron in the clay. It seems that the clay of Pleasant Valley, of which there is an inexhaustible supply, is composed of the same material, which, together with the abundance and convenience of wood, will admit of the manufacture of brick to any desired extent, and of the best quality.

Accumulative Labor.—The best things and treasures of this world are not to be produced by each generation itself; but we are all intended, not to carve our work in snow that will melt, but each and all of us to be continually rolling a great white gathering snowball, higher and higher, larger and larger, along the Alps of human power. Thus the science of nations is to be accumulative from father to son; each learning a little more and a little more; each receiving all that was known and adding to its own gain, the history and the art of nations to be accumulative. Nearly every great and intellectual race of the world has produced at every period of its career, an art with some peculiar and precious character about it, wholly unattainable by any other race, and at any other time; and the intention of Providence concerning that art is evidently that it should all grow together into one mighty temple; the rough stones and the smooth all finding their places and raising day by day in richer and higher pinnacles to heaven.—*Ruskin.*

Double Flowers.—Nature never produces double flowers. They are considered among botanists as beautiful monsters. They are generally, indeed we may say always, the production of the skillful management of the cultivator. The Dutch gardeners have been very successful in this kind of production. The principle of doing it is to keep the plant growing rather stintedly on poor soil until the organs of flowering begin to show themselves, then pushing it by liberal watering with liquid manures. This operation is based on the physiological habits of plants. The first exertion of a plant is to get its growth, then it stops this part of the operation and makes flowers, after which the whole energy is bent on maturing and perfecting seed. This seems to be the great end and object of its life, and, this done, it ceases any further action, for the current season at least.

There is a curious fact said to exist a few miles south of Greencastle, in Putnam co., Indiana, where there is a family of six, all having the same birthday. The father and mother are each, 35 years old, the children respectively, 14, 11, 8, and 5 years old; their birthdays come on the 17th of May.

The insurance companies or their agents, in Virginia, (N. T.), becoming alarmed at what is supposed to be the number of incendiary fires occuring lately, have given notice that they intend to revoke all policies on wooden buildings.

A postman in the west of England has ridden the same pony for eighteen years, and he estimates that in this time man and horse have traveled 66,160 miles, which is much over twice the distance around the globe.

A bride's veil, worn recently at a Paris wedding, is said to have cost four thousand pounds.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributers as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

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San Francisco:
Saturday Morning, August 13, '64.

FINANCIAL AFFAIRS.

The following is a statemcnt of the foreign commerce of New York for the fiscal year ending June 30th, which we derive from lato Eastern papers received by the overland mail:

	1861-62.	1862-63	1863-64
Imports Mdse.	$129,611,987.	$177,283,484.	$215,257,317.
Exps. Produce	133,706,060.	155,550,202.	165,095,576.
Expts. Specie	28,943,725.	52,018,240.	57,775,636.

The imports are $215,257,347 in gold, eqnal with gold at 160 premium, to about $350,000,000 in greeu backs, and the exports at the same rate, say 40 per cent. discount, are worth eomc $100,000,000 in gold, or $165,095,676 in Legal tenders, as officially stated. This statement shows that the imports of merchandise at tho port of New York, for the past year amount to about $115,000,000 in gold, or 115 per cent. more than the produce exports were. Thus verifying the axiom in fiuance, that an excess of government paper money causes imports to increase and exports to decrease, as an inevitable rcsult. The shipments of specie reach $57,775,636 seut in part payment of the $115,000,000 *apparently* due to foreign countries. The exports of specie from San Francisco to England and other foreign ports for tbe same period amount to $43,000,000, making an aggregate of $100,000,000 sent abroad from New York and thie city. At no former period in the history of tho conntry have the United States been so drained of the precious metals as during the past year.

The money market here, presents no new feature worthy of especial mention. Capital continues in excess of the demand for legitimate business purposes. The requirements of the mercantilo classes are light at this eeason of the year and uo pressure from that source is looked for. Unexceptional short time paper is wanted at 1½ per cent. a month nnd the littlc offering is quickly taken. The Supreme Court of this Statc will, it is said, early next week announce their opinion touching thc constitutionality of the Specifie Contract Law of California. The decision, we are informed, will be in favor of the validity of the act, but that etrenuous efforts bave been made by certain prominent polititious who have recently arrived from the East, to induce the Judges to change their views. The case to he decided was recently appealed from Judge Pratt's Court in this city.

The bankere report a light business in Eastern Exchange to-day. Currency Bills were sold at 135 and 140 per eent premium on gold. Telegraphic transfers, for some time past the most popular medium of remitanen East, are lower and were offered at 5½ per cent. premium.

The rceeipts of treasure from the interior and coaetwise ports, since last steamer day, amount to $1,800,000, one million of which came from Nevada Territory.

ANOTHER DIVIDENN.—The Consolidated Belcher, Baldwin and Abernethie Mining Companies have declared u dividend of $8 per ehare, or $25 per foot in the original Belcher stock, payable at their office in Virginia City.

THE COPPER INTEREST IN CALAVERAS.—The Napoleon Company have about 4000 tons of 3d class orc at the mine. By burniug a few tons in an ordinary kiln, they have been enabled to raise the per centage to 12 per cent. Preparations are now making for burning from 300 to 500 tons per month. From 150 to 200 tons per month of 1st and 2nd class orn are taken from the mine, in the process of siuking the shaft and in running the tunnel. The shaft is now sunk to the depth of 280 feet; at 290 a new gallery will be comoteneed. Work is also in progress to intersect the old shaft, which was abandoned on account of water, and which will be struck in a few days. It is expected that after the first of September from 700 to 800 tons per month, of Napoleon ore, will be shipped from this port.

The Calaveras company have struck their vein from four to five feet thick. The ore is very good, running to a high per centage, said to reach from tweuty to tweuty-five per cent. They are now shipping large quantities. The Table Mountain company are also shipping very largely. Vigorons work is also in progress at the Live Oak, near Telegraph City. From a letter reccived from the Superintendent on Tuesday we learn that the new shaft is down 60 feet with good indications. Excellent reports also continue to come in from the Union and Keystone, and other nines of lesser note, at and near Copperopolis. Thus it appears that the copper interest is constantly gaining ground in the estimation both of capitalists and the community geuerally.

MOUNT DIABLO MINES.—Mr. J. M. Casserly, Superintendent of the Kcokuk copper miue, at Mount Diablo, has placed upon our table several very fiue specimens of copper orn taken from thn Elmira, a newly discovered lodo, which has beeu opened only thirty days. Tho ore is a very good quality of sulphurets, intexmixed with black oxide of copper. It ie the best ore we have ever seen from Mount Diablo. Tbe Elmira is about three hundred feet below the Superior mine, in Clayton District. Both mincs are located within seven miles of a good coal minn, with a near and convenient intermedinte point, to which a good down grade may be obtained for both the coal and copper—a good locality for furnaces.

Mr. C. speaks very encouragingly of the copper mining interests generally of Mount Diablo. Tbe Keokuk is now working eight men, has a tunnel in 50 feet to the vein, from which an incline has been run on the vein upwards of 100 feet. Their first shipuent of ore is now on the way to this city. The Open Sesame has issued proposals for putting up machinery at the mine, and are now making preparations lor receiving thc eame, by elearing up the ground, making roads, etc.

COPPER NEAR VIRGINIA CITY.—The *Piute* of August 1st speaks of a bar of copper which the editor saw the day before, weighing 147 ounccs, with $3.08 gold and $2.28 silver in its compositiou—the bar being valued at about $20. This bar was smelted in a blacksmith shop from 57 pounds of ore, and is unprecedently rich. Thn owner of the bar did uot wish tbe locality of the ledge to be known at present, but says that a very large quantity of the "same sort" is in sight.

COPPER MINES IN TRINITY CENTER.—The Trinity *Journal* speaks encouragingly of the copper mining interest in Trinity county. Work is activcly progressing in the Copper Creek mine. Although the lead has not been reached yct, a considerable quantity of rich float ore has been taken out. The Company have completed a good road from Trinity Center to the mine—some eight miles Parties iuterested arc enthusiastic in the belief that they have got "a good thing." The assessments, so far, have beeu promptly paid, and the Company is free from debt.

Two or three miles east of the Copper Creek mine a ledge has been discovered and dubbed the "Rattlesnake." It was located by residents of Whiskytown, Shasta county, and the rock so far taken out is rich in copper. The mountain King" and one or two others are commanding much attention. Indications of copper may be found anywhere in the high bleak-lookiog range between the Trinity and Sacramento, and we shall not he surprised to hear that ledges as rich as any on the coast have been discovered before the end of the year.

A NEW STOCK FRAUD ATTEMPTED.

The detectives of Placer county have been engaged for several weeks in following up and ferreting ont one of the boldest and most infamous attempts at stock frauds, which has yet been attempted in this state. It appears that oue D. C. Williams, with several *aliases*, recently arrived at the Sportman's Hall telegraph station, beyond Placerville, passing himself off as a teamster, looking after certain teams which he had on the road. It appears, bowever, from snbsequent developments that he was in reality a skillful telegraph operator, and was there in connivance with parties in this city and Virginia for the purpose af obtainiug surreptitions telegraphic information which might be used by his principals in this city to operate with in miniug stocks. His first efforts appeared to be to loiter about the telegraphic instrnment and take down the messages as they passed. This he was enabled to do by sound, being an expert at the business. A number of messages were thus noted down by him, as appears from a letter found in his possession, by the officers, and directed to Messrs. Pease & Grim of this city. This letter appears to have been a first draft which was, or was inteuded to be subsequently eopied for mailing to its destination. It is but justice to Messrs. Pease & Grim to statc that they deny having any connection whatever, with Williams in this affair and assert that the letter referred to if sent, never reached them. Still it appears evident that he has been telegraphing and correspondiug with a uumber of parties in this city, who have undoubtdly been connected with him in this nefarions transaction. Subsequently or about the time he was taking these notes from the telegraph, hn made a bold attempt to briho the operator, a young mau about 18 years of age to whom he unfolded his plan of operation, offering him $300, down, and $1000, contingent upon his success. It was through the honesty of this young man that the villain was caught and exposed.

Tho main object of the plan was to secnre the earliest intelligence of tbo decision in a case in which the Potosi Mining Company was involved, and operate in this city on that information. It was arrangcd thut immediately after getting news of the decision, which was to be tclegraphed to him from Virginia, in cypher, that the wires should be cut to tbe east of the station, thns giving his confreres in this city ample time to operate to the extent of their inclination.

It would appear from thc intelligence communicated from Placerville by the correspondent of a morning paper, that letters and documents have been secured hy the officers, which fully set forth his plans, and implicate a nnmber of parties in this city. The writer alluded to says that the correspondence of Williams, while at the telegraph station was very extensive, the publication of wbich will in due time be made public and aside from the *expose* of high contracting parties, it will fairly "make Rome bowl." Ite publication at this time would he the means of overloading the steamer Golden City, hence for Panama to-day, and make the trip overland from Virginia City quite popular for a few days to come.

Williams was taken before Justice Bush, last Saturday, to answer to a charge of misdemeanor, and after an examination, was held to answer in the enm of $2,000. Being unable to procure bail, he was remanded to jail.

Mr. Gamble, euperintendent of thn Telegraph, has been most active in ferreting out this villainy, nnd it is mainly through detectives. put upon the track by him, that this scheme of rascality, without a parallel on this coast, has been thus nipped in the bud. It is to be hoped that tho most strenuous exertions will he used to bring to punishment and shame all parties connected with the affair. It is only by such etern and determined measnres, that the miuing community can be sifted of its villainy, and public confidence onee more restored to this important branch of business. Let the galled jades be made to wince.

THE first ox team crossing the plains this season arrived at Reesn River, August 4th.

ELECTION OF OFFICERS.

ARGENTORO MINING COMPANY.—Meeting, August 11th. Trustees, J. F. Schulthess, J. Britton, M. J. Newmark, J. H. Welch and John Reagan. President, J. F. Schulthess; Secretary and Treasurer. M J. Newmark; Superintendent, Fred A. Miller.

ADELAIDE CONSOLINATED SILVER M. CO.—Meeting, August 10th. Trustees, J. P. Bush, E. Livermore, C. W. Bush, L. B. Wooster, C. J. Ladd, L. Lazar and J. M. Miller. President, C. W. Bush; Secretary, Rodney Clark; Treasnrer, L. B. Wooster.

TORNADO GOLD & SILVER MINING COMPANY. Meeting, July 30th. Trustees, Elijah Livermore, A. L. Rhodes, H. P. Livermore, Joshua Barker and Charles Hamilton. President, E. Livermore; Secretary and Treasurer, Rodney Clark; Superintendent, C. Hamilton.

NOTE.—Secretaries are invited to send us reports of their elections, together with any facts or information which may be of general interest concerning their works.

AUSTIN, Reese River, bids fair to become, at an early day, a place of considerable importance. Her exports of treasure already exceed $50,000 per week. One year ago the building of a city at that point was considered almost a matter of impossibility from the apparent lack of building material. It was said that no clay could he found of which to make brick, while the lumber would have to be hauled 200 miles. Now the best brick clay in the world is found in its immediate vicinity in inexhaustible quantities, and there are several saw mills close by that make lumber out of the piñon, besides lumber yards that are supplied by mills a few miles distant, producing lumber in far greater quantities than it is needed. There is no further apprehension of any want of material for building the finest of structures, and slates in abundance for covering them.

THE LOCATION OF SOOKE, the new mining district recently discovered in British Columbia, is directly upon the shores of the Straits of Fuca, about ten miles from Race Rocks, or thirty from the Pacific Ocean. All vessels to Victoria or Puget Sound pass there—indeed Sooke is only about twenty-five miles from Victoria by water. Sooke possesses a splendid harbor—in fact, two harbors, one within the other, very much resembling an hour-glass, the upper harbor being thn larger, capable of containiug all the navies of the world; it is an immense inland basin.

The Sooke river is a small stream emptying into the north side of the outer harbor. It has many tributaries, small and large, one of which is named Leach River. The mouth of the river presents a curious appearance, being covered for a long distauce with immense quantities of rounded, water-worn boulders, among which the water finds its way almost without any distinct channel. About eight or ten miles up this river the good diggings commence, but how far they extend remains to be explored.

The diggings are very easily reached, as a steamer requires but two hours time to make the distance. A town site has been laid off at the entrance of Sooke river and trails from thence blazed out. The discovery of quartz mines has been reported, but not yet fully credited.

A FAMILY QUARTZ MILL.—Near the Devil's Gate is a little water mill, owned by a Mr. Lindsey, which is a very nice affair to have about the house. There is a water wheel, 32 feet in diameter, which drives two arastras, each eight feet in diameter. The expense of running is a mere trifle, being only the wear and tear of the water wheel and the occasional attention of one man—in fact, the wife of the proprietor runs the mill herself very frequently when her liege lord is about other business—and the concern grinds out about $8 per day, clear of expenses. Truly, this petite and simple mill is quite a snug little fortune to its owner.— *Virginia Enterprise.*

MUSIC is employed to lubricate our movements, as oil is used to lubricate the movements of machinery. We use music to dance by and to march by; we use it in hoisting, hauling and striking; we use it to lubricate our feelings, to express our joy and to sooth our sadness.

(From the San Francisco Weekly Stock Circular.)

MINING SHARE MARKET.

The Mining Shnre Murket exhibited a mnrked improvement this week, and a number of leading shures hnvo beca in better favor ut enhanced rates. Some speculativo stocks hnve also been more activn at better prices.

Recent devnlopements in prominont claims on the Comstock are regarded with much favor, and confidenco in tbeir permanency has been somowhat restored. If good pay ore csn bo fnnnd at the depth now attained it is thought that the continnity of tho Comstock lods in depth nnd width is well cstablished for somo time to come at least. The aggregate yield of bullion from Nevada Territury continnes lurge, aad the entire recsipt of treasurs from ths interior so far this month exceeds $2,000,000.

Gould & Curry has been in docided reqnest and was largely dealt in, opening at $1000, steadily advancing to $1600, receding to $1500, soller 60, rallying to $1550, then declining to $1300, and closing at $1375—52½ feet changing hands within this range. An impression has prevailed for soms tims past that material facts relative to tho actual condition of tbo mino were suppressed, whilo shareholders bave been debnrred the privilogo of personally examining the developments made in tbe several shafts snnk from tho lower level, they had been informed hy employees of ths Company tbat "littlo or no pay ore had been found, hut that probably enough was in sight to run tho mill for a month, and that it was hoped by crushing ores for other mines ths necessity for levying an ussessment might ho obvinted." Such damaging reports as these, it is well known, have bosn current here and elsewhere. for a long tims, and like rumors prejudicial to tho mine are still freely ventilated. We bavs the best anthority for stating that rich ores have hsen met with and are being extracted from tho sast, west, and north shafts, and that fair oro has been found in tbe south shaft, and tbat somo 60 tons nre daily taken from this portion of tho mins and sent to the mill exclusive of choice parcels rcserved for shipment to Europs. For several weeks past no ores have been taken from any other part of tho mine—the large body of good oro in the upper galleries (estimated at 8000 tons) not being disturbed. The recent additions und improvsmcats made to the Company's mill nrs a complete success, and the full capacity of this magnificent establishment of eighty stamps can at any moment be employed. Tbe tailings, carefully preserved in rosorvoirs at this mill from the rich ores worked heretofore, are now successfully treatsd, and soms $60 per ton ohtained from them. A number of tests hy the Patio process yielded less than $40, but other experimeats by tbe process now adopted were made and tbe result has thus far been satisfactory. These tailiags assay about $130 per toa and it is thought that they will yield at least $80 if properly treated at the mill. Tbe nmount on band is estimated at 16,000 tons which at tho present yield of $60 would be worth nearly one million dollars. They may also be worked again with profit.

Savags has been in hetter favor, advancing from $1000 to $1250 and $1300, receding to $1175, seller 30, and selling yesterday at $1150. This mine continues to improve, and at no former period were the prospects of tbe Company more flattering. From ths lower working level, n prospecting shaft has penetrated, thus far, a solid mass of ore to the depth of 70 feet, wbich shows no deterioration in any respect ns tbe shaft descends. It is believed tbat sufficient ore has been disclosed to employ tbe Company two years. 2,800 tons were extracted last moath, yielding a net profit of soms $80,000. 110 tons ars at present daily sent to differont mills, and the product for the current moatb will exceed 3,000 tons, in addition to which some first class ore will be set asido for a more careful treatment.

Potosi is in rather less request, and has fallen from $950 to $860, partially owiag to ths temporary injunction against the Company at the instance of the Bajazet. As soon as an argument can be heard it is thought that active operations will he resumed.

Ophir was moderately dealt in at fluctuating rates, declining from $500 to $425, rallying to $475, receding again to $450, then advancing to $525, and closing at $530 bid.

Challar was sold at $325 early in the week, hut rose on Thursday to $425, and was sold yesterday at $375. Advices from this mino continue favorahle, and activn measnres aro under way to connect the fourth and fifth levels. This will develop a body of ors 63 feet in depth and 180 feet in length.

Yellow Jacket is lower nnd wns offered yesterday at $450. An nssessment of $110 por foot was levind this week in lien of the former one of $30, which will more than cancel tho entire indebtedness nf the company. $250 per foot ($300,000) bas thus far been assessed and this wo believe is tho limit of their corporate powers.

Imperial opened nt $140, rose to $144, declined to $138, soller 30, and closed at about $132. A dividend of $6 per sharo was paid yesterday out of tho earnings of the past month, having somn $16,000 in the treasury of the company. Receipts of bullion from the mino are steadily increasing and a larger dividend is anticipated during the ensning month.

Lady Bryan has heen exceedingly sctive, nnd 1,300 shares changed hnnds, advancing from $3¼ to $5⅜, declining to $4½, and closing at $3½. Two tons of ore assaying $100 per ton, have heen sent to a mill in the Flowery District by way of an experiment.

Melones declined from $20 to $15, and then sold at $14. Wide West rose from $13 to $17, fell to $16, and sold yesterday at $13. El Dorado advanced from $1¾ to $3.

Nevada (J. G.) has heen sold nt $12½. Bullion at $30. Seneca at $10. Sheba at $35. North Potosi $42½. Golden Age & Empire, at $8.

North Americnn was sold at $25, hnt is now held at $35. Burning Moscow rose from $15 to $16½—105 shares changing hands. Legal Tender Notes have been dealt in at 38½ and 39, and were offered last evening at 39½.

The California Marble Company.

This Company hns heen organized for tho purpose of quarrying and developing ths native marhle of California, and bringing the same iuto market, for huilding, monumental, ornamental and other purposes. Ths chief ohject wbich the company has in view is to supply a geaeral want wbich bas existed bere for a length of time, in tbs article of marble, as well as to provide for futurc contingencies. Hitherto California has been dependent on Italy and Vermont for her supply of the material, which, at tbe best, oftentimes has been but precarious and nncertain, and as the demand multiplies, and the cost and difficulty of importation increases, persons are growing concious of tbe necessity of looking iu another direction to obtain an article so necessary and indispensnble. We need not look beyond the limits of our own State. Thc quarry of Indian Diggings, El Dorado county, contains marble to a vast and unlimited extent, and of qnantities which render it suitable for every purpose to which marble is applied.

The company's quarry has heen worked for tbe past few years to a limited extent, just snfficient to develop its resources. The surrounding country is heavily timbered, and a never failing stream of water flows through the ravine in which tbo quarry is situated. The numerous facilities at tbs command of the compauy, for quarrying and working the marble, and forwarding it to market, can scarcely be excelled. They have now in activo operation at the quarry, a mill for sawing the marble, consisting of a steam engine, hoiler and two gaags of saws. Thcy have also two additional saw gaags, which aro ia course of erection. When complete it is estimated tbey can turn out at least 6,000 feet per month, or about 45 tons of sawn marhle. The expcnscs of the mill for all charges per month, cannot exceed $500. The actual cost therefore of sawing marhls will hardly reach nine cents per foot; by adding to tbis tbe present cost of freight to San Francisco, $16 per ton, or twelve cents per foot, with an additional five cents for incidental expenses, and the total cost for quarrying, sawing, freight and landing at the company's depot, will amount to less than 26 cents per foot. This estimats is for sawn marhle. An equal qnantity of material in hlock, for ornamental nnd other purposes, could be produced and sent into market at less expense and proportionally large profit.

In addition to their saw mill at tbo qunrry the company own snd are about putting up at their depot in this city, an engine, boiler, and rubhing bed of twelvo feet in diameter, capable of rubhing 1,000 feet per day—the only machine of this kind now on this coast. This additional machinery will enable them to rnh and finish their marble for the market, as well as to mannfacture tilings and prepare ashlers work for tho fronts of houses. Tho last branch alone opens up a large field of operations, to tho extent of whicb it will he difficult to put n limit. From the facilities at their command the company can prepare and furnish fronts, at snch a reasonable figure ns to render it an object to builders nnd owners of real estate to select them even ss a matter of economy in preference to the imitation fronts at present in use.

As a legitimate hnsiness enterprise the California Marble Company offers every inducement for the investment of capital. Tho Marhle is of most excellent quality, nnd in respect to qnantity, nnlimited. It can be produced at very low rates, and must nlways command a ready sale at a very largs profit. Added to wbich is this great advantnge—the absence of serious competition. Ths present high tariff of $1.60 per foot on Italian marhle is prohibitory in its effect, while Vermont can hardly supply enough for Esstern consumption. Even with thoss drawbacks removed, the enterprise cannot fail of success in view of tbe daily increasing demand. The company bave already received orders from Victoria, Portlnnd, aad several of the interior towns, and it is reasonably anticipated that in a short time their hnsiness will extend throughout the entire Pacific Coast. It is their intention to keep a large stock always on hand, and this will in itself be certaiu to create a demand not existing at present. In every aspect that we view it, success seems certain; as asidc from the patriotic motive tbnt must actuate nll Californians iu the encouragement and development of native productions, the most urgent motives of prudence, economy and profit will operate in favor of tbe introduction and genoral use of ths native marbls of California.

El Dorado County Fair.—We acknowledge the recsption of a complimentary ticket to tbe El Dorado County Agricultural Fair, which is to commeuce at Coloma, on the 30tb inst., and continue four days. Ws notice in the schedulc of promiums tbo following list of implements, for each of which is offered, as n premium, a Diploma and a volnms of the "Scientific American:"—Best Quartz Crusher, (model); Best Quartz Amalgamator, (model); Best Tunneling Machine, (model); Best Mining Pump, (model); Best Rifls Box, (model); Best Sluice, (model); Best Mining Pick; Best Drilling Machine; Best Blasting Apparatus; Best Hydraulic Apparatus.

Ths "Scientific American" is a most excellent paper, and well worthy the patronago of hoth miners and mechanics; hut we would respectfully submit, whether the "Mining and and Scientific Press" is not a more suitahls premium for a California Society to offer for meritorious *mining improvements*. Wo prosums the matter never suggested itself to tho officers of the Society. We throw ont this hint merely *as* a suggestion.

California Marble.—Tbs proprietors of ths Marble Quarry at ths Indian Diggings, shipped last week, thirty sets of grave-stones to Portland, Oregon, in fulfillment of a contract. Tho stones were polished and lettered in tbe finest style. The sams cutters have contracts for over forty other sets. Tbe proprietors of tbis quarry, as will bs noticed elsewhere, filed articles of incorporation on Monday last.

New this Week.

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an assessment of five dollars per sharo was levied upon the capital stock of said Company, and that at a meeting of the Board of Trustees of said company, held on the 9th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary of said company, at the office of said Company, No. 433 Montgomery street, in the city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will ho sold on Monday, the 26th day of September, 1864, to pay the delinquent assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, No. 433 Montgomery street, in the city and county of San Francisco. 7 4t

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice.—There are delinqaent, upon the following described Stock, on account of assessment No. 7, levied on the 13th day of July, 1864, the several amounts set opposite the names of the respectivo shareholders, as follows:

Names.	No. Certificats.	No. Shares.	Amount.
Atkinson, Nathan	245	100	$100 00
Boylan, Joseph	26 to 36 inc—ca 20 shs	100	100 00
Bufford, J L	unissued	25	25 00
Boole, Mrs Anna	170	2	2 00
Bowen, C F	207	10	10 00
Bowen, C F	225	5	5 00
Chevallier, V	113	5	5 00
Collins, E S	232	10	10 00
Dow, J G	234	5	5 00
Dulip, J P	15	10	10 00
Dyer, W D	40 50—ca 5	10	10 00
Dall, J H	70 80—ca 50	100	100 00
Finance, A	105	10	10 00
Gay, A C	256	53	53 00
Geiger, John G	258	6	6 00
Hughes, Chas	134	5	5 00
Kendall, S	183 184—ca 5	10	10 00
Kendall, S	100 192—ca 5	10	10 00
Marina, E J do Sta	214 to 217 inc—ca 10	40	40 00
Marina, E J do Sta	218 219—ca 5	10	10 00
Matthieu, A	138	10	10 00
Marguerlere G	159	10	10 00
Morris, Josiah,	209	102	102 00
Martinon, L M do	160	20	20 00
Rice, A W	76 77—ca 5	10	10 00
Richards, Jas R	200	85	85 00
Smiley, James	96	50	50 00
Thomet, N	268	10	10 00
Whitney, Geo O	204	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said Stock as may be necessary, will ba sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, on the 27th day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 7

Caution.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the Imperial Gold and Silver Mining Company, as the same were sold for delinquent assessments, on the 12th day of August, 1864, and will not ho transferred on the books of the company:

Nos. 6, 10, 11, 12, 13, 14, 33, 34, 35, 47, 48, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 86, 87, 88, 89, 90 95, 96, 107, 108, 17, 18, 19, 20, 21, 22, 52 53, 54, 55, 56, 57, 63, 30, 32, 123.

L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street. 7-2t

THE WORLD'S HORSE FAIR!

AT SAN FRANCISCO,

—AND—

Ladies' and Gentlemen's

Equestrienne Exhibition!

THIS GRAND EXHIBITION WILL be held at the BAY VIEW PARK, commencing September Second and continuing until the Eleventh, during which time the Mechanics' Fair will also ho in progress—the Great Pavilion of which will be open every evening—so that persons from a distance can attend both Fairs during their visit to the City. For particulars and Premium List see large posters and California Spirit of the Times.

7-td BEN. E. HARRIS, Secretary.

LEANDER RANSOM,

Civil Engineer and Surveyor,

Having been connected with the public works of tha State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of

600,000 Acres of State School Lands,

At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.

7v9-tf Office, 328 Montgomery street.

MECHANICS' INSTITUTE.

INDUSTRIAL EXHIBITION, '64.

NOTICE TO EXHIBITORS,

THE EXECUTIVE COMMITTEE WILL BE PREPARED at the Pavilion, on Union Square, to receive Goods intended for Exhibition on the Twenty-Second of August, and none will be admitted after the 31st of August.

By order of the Committee.

O. B. PORTER.

N. B.—Newspapers publishing previous notices for the Fair will please discontinue them and insert the above instead. 7v9d

BOOKKEEPING.

YOUNG MEN CAN ACQUIRE A COMPLETE BUSINESS Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of Prof. Lury, 305 Montgomery Street. The course of study prescribed for his students is more extensivo and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable. 7-2m

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the Mining and Scientific Press, from January 1st to July 1st, can be procured on application to the office.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

The Desert of Sahara.

The discoveries of recent African explorers have dispelled many of the popular notione concerning the great desert of Sahara. It used to be described as a nearly level sandy plain. This plain. it is now ascertained, does not exist, except at its eastern and western extremities. The central portions riee, in the form of terraces, to 900 or 1200 feet ahove the valleys of the Atlas and Soudan. They are interspersed with ravines and granite hills. Barth epeake of monntains 4,000 or 5,000 feet high. In geueral, however, the snrface of the desert is flat or slightly undnlating; in some places covered with a thick bed of sand, in others hard and flinty. Every aspect confirms the opinion of Humboldt, that the desert is the bed of a former sea, elevated hy geological convulsions. The traveller, almost at every etep, meets with monnds of fossil ehells and other debris of marine animals. There are immenso deposits of rock salt, in some places as pure as marble, and so compact as to serve in the construction of honses. Soudan derives salt from this sonrce. The effloreecence of nitre and saltpetre is almost everywhere apparent. Lions, tigere, and other ferocious animals with which the desert has in imagination been peopled, are met with only in the forests of the oases, where alone they can find food and water. The lion is the king of the desert only in poetry. Man is the true wild animal with whom the traveller dreads an encounter, and bandite infest every caravan route in the Sahara. The Sahara is not always destitnte of water. In passing hetween the tropics, the sun carries with him heavily laden nimhus clouds, which, without any monntains high enough to condense their moisture and canse it to fall at intervals, descend occasionally by their own gravity, and drop their watery treasures in gushing torrents, which fill every ravine. It is a deluge which lasts hut for a moment; the water disappears in the permeable eoil as fast as it came, and forms extensive sheets of water a ehort distance below the surface. This fact has heen revealed by numerous sonndings. Already excellent artesian wells, sunk by French engineere, havo created verdant oases in places where every vestige of vegetation appeared to be etcrnally buried heneath the sand. Bnt these hidden lakes, on which the desert partly reposes, are not a recent discovery. From time immemorial the Arabs have snnk in the opcn desert wells several hundred feet deep, till they met the watery bed, which they called the suhterranean sea.

HYDRAULIC WHEELS.—The Central Mining Company, at Deadwood, Sierra county, says the Mountain *Messenger* are abont having one of Fredenhurr's hydraulic wheels pnt np on their claim. The Union Company, at Howland Flat, contemplate doing the same thing for hoisting their dirt, it heing much cheaper at first cost and the expense of rnuning it being only a trifle, compared with ranniug the engine. Other mining companies who want power and can get a small force of water should consnlt Fredenburr at Howland Flat concerning his whecl, which is cheap, durable and practicable.

DANGEROUS PLAYTHINGS.—A short time since a hoy in Worcester, Mass., held one of the little red halloons, which are now so popnlar among juveniles, over a fire to dry, it having got wet in a shower. It very soon exploded, accompanied by a loud report. The father of the lad was prostrated to the floor and stnnned. These balloons are filled with carburetted hydrogen, and should nevcr be carried near the fire. Tbis gas is scarcely less safe ahont a fire than gnnpowder.

SEIZURE OF ARMS.—Tho Schooner Matilda was seized at Half Moon Bay on Friday night last, while endeavoring to leave tho harhor with abont 4000 etand of arms on hoard, in contravention of law.

THE Mendocino *Herald* saye that tho streams in that vicinity, on whicb the mills are built, are eo low that the mills have either stopped or rnn but a few houre per day. The consequonco is, that, with barns and granaries full of grain, pcople thcro are likely to become short of bread, or bring it from abroad.

SOAP FROM COAL OIL.—Tho Oil City *Register*, of Penneylvania, has seen a good article of soap manufactured from coal oil. It is claimod that soap manufacturod from this oil will remove all kinde of stains and dirt. and do more work than any other, and in less time.

Mr. A. J. Godfrey, aged fifty, a native of Maine, was killed at Condemned Bar, in Yuba county, on the first instant, bythe caving of a tunnel in which he was at work.

OTIS V. SAWYER,
NOTARY PUBLIC,
And Commissioner for Nevada Territory.
Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. [23 4t] W. W. WIGGINS.

COMMISSIONER OF DEEDS
For Arizona Territory,
B. W. MUDGE,
No. 528 Clay street, San Francisco.
16v8-3m

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for Nevada Ter.
Office, Montgomery Block, 630 Montgomery Street,
10v8-3m SAN FRANCISCO.

MUTUAL
Life Insurance Company,
—OF NEW YORK—
Capital, : : : : : : : $9,750,000.
H. S. HOMANS, Agent for California.
613 Montgomery corner Merchant street, San Francisco.
3-tf

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. B. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Salher & Co's Bank, corner of Montgomery nnd Commercial streels, Nos. 2, 3 and 4, San Francisco. 1v9m

WM. H. H. FALL,
Commissioner for Nevada Territory
Office, 728 Montgomery St., San Francisco.
1v9m

RICHARD S. CLARK,
MINING SECRETARY,
Accountant and Copyist,
Office, No. 610 Merchant street.
N. B.—Mr. Clark has also a commodious room, to rent for annual and Special Meetings of Companies at any hour of the day or evening. 19-3m

THOMAS HILL,
Member of the S. F. Stock and Exchange (1st) Board.
A. H. MURDOCK,
Member of Stock Exchange,
No. 623 Montgomery Street, Opposite Montgomery Block,
SAN FRANCISCO.

REMOVAL.
J. R. BEARD, STOCK BROKER,
MEMBER SAN FRANCISCO STOCK AND EXCHANGE BOARD, HAS REMOVED HIS OFFICE TO
5v8-tf No. 707 Montgomery street, Brokers Block.

H. HOCHHOLZER,
Civil and Mining Engineer,
Office, Roe's New Building, B. Street, Virginia City.
PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOORAPHICAL MAPS AND MINING ENCINEERING IN ALL ITS BRANCHES.
☞ Referonces given where required. ☜
26-3m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.
Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

WARRIN, SMITH & CO.,
Commission Merchants,
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

L. B. FINE. JAMES A. OWENS.
OWENS & FINE,
Mining Secretaries, Real Estate and General Agents,
WILL ATTEND TO DRAWING MINING STOCKS, PAYING ASSESSMENTS, BUYING AND SELLING STOCK LOCATED IN ALPINE COUNTY.
OFFICE.—Mammoth Hotel, Main Street, between Second and Third, Silver Mountain. 20-3m

O. A. CRANE. A. E. CRANE.
CRANE BROS.,
Stock and Exchange Brokers,
No. 614 Montgomery st., (tall No. 5, Stock Exchange, San Francisco.
☞ All kinds of Stocks Bought and Sold on Commission. 14

D. NORCROSS,
MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.
aug17-tf Masonic Temple, No. 5, Post Street.

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. [2-tf

HENRY V. POSER,
Ornamental Plasterer.
No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.
OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.
☞ Terms Moderate. ☜ 2-1m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-1f

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.
THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
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JOHN DANIEL,
(SUCCESSOR TO O. GORI)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs, Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

SQUARZA'S PUNCH.
FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
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Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pock-et Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
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ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

STEEL! STEEL!! STEEL!!!
OCTAGON, 7-8, 11n, 1 1-8,
SQUARE, 3-4, 7-8, 11n, 1 2 1n.
For Sale in lots to suit Purchasers by J. S. CURTIS.
Office, 405 Front street, San Francisco. 6v8tf

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By FRONTIER & DEVIERCY.
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BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.
Buy and sell Exchange on California, Oregon and Western Cities.
Grant Letters of Credit, available in any part of the United States.
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Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.
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AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.
Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. the par value is always required.
We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,
70 Wall street, New York,
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WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.
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Exchange on New York,
PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
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JUST PUBLISHED,
By H. H. BANCROFT & CO.,
MINING LAWS AND FORMS,
THIRD EDITION, REVISED AND ENLARGED,
COMPILED BY H. B. CONGDON.
This edition contains all the Laws of the State of California and of the Territory of Nevada, relative to
MINING CORPORATIONS,
Canal Companies, Assessments, Transfer Agencies, Changing place of Business, Mineral Lands, Actions respecting and conveyances of Mining claims, Taxation, Foreign Miners, Etc., Etc.
TOGETHER WITH THE
Mining Ordinances of Mexico
—AND—
Recent Decrees of the Mexican Gov'mt,
Forms for the Incorporation of Mining Companies, and a Digest of the decisions of the SUPREME COURT of the State of California, Relative to Mining Corporations and Mining Interests.
16mo, flexible cloth, 192 pp. $2.50.
For Sale at all the Bookstores. 1tf

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Wire Rope Manufacturers,
Established 1857.
Office, No. 412 Clay street—Works, North Beach,
SAN FRANCISCO.
After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for
HOISTING FROM DEEP MINES,
OUY ROPES FOR DERRICKS, &c.,
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
CASH CORD FOR WINDOW SASHES,
ETC., ETC., ETC., ETC., ETC., ETC.
It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.
MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.

Wire Fencing Strand,
For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.
Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.
WIRE SUSPENSION BRIDGES AND AQUEDUCTS
We are prepared to erect, of any span and capacity, and take pleasure in referring those interested to the many structures of this kind built by us in California, Oregon and British Columbia, of span from 200 to 400 feet. 3-3m

POWDER!
The California Powder Works,
Office, No. 318 California street.
ARE NOW RECEIVING FROM THEIR MILLS AT SANTA CRUZ, REGULAR AND AMPLE SUPPLIES
—OF—
SUPERIOR
MINING AND BLASTING POWDER,
Which they offer to the trade and to consumers with full guarantee of its quality in all respects.
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Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.
JARVIS JEWETT, AGENT.
629 Washington Street, San Francisco, Cal. 10v8-1m

GOVERNMENT HOUSE.
Northwest corner Washington and Sansome streets San Francisco.
Sixty-Four Rooms and Offices, in Suits or single
THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.
C. A. CRANE, Proprietor.
JOSEPH O. COLLINS, Superintendent. 3-3m

Owen's River Canal Company.
FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the nove stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.
Office of the Company No. 325 Montgomery street. 1tf

THE ALABAMA BEAT AGAIN.—The Alabama not being satisfied with the recent defeat by Capt. Winslow of the Kearsage, says the Reese River *Reveille*, concluded to take a dry-land fight in the land of silver bricks. There are two silver mines here bearing the names of the above vessels. The Kearsage had ninety-seven pounds of rock crushed, which yielded forty-seven ounces of crude bullion, while the Alabama had one-fourth of a ton worked, which only yielded sixty-three ounces, so the famous Alabama was agnia beaten. Both are excellent mines, and if properly managed and developed will pay largely.

LEMONADE FOR THE SICK.—Two teaspoonfuls of arrow-root or corn starch, in a quart pitcher, wet with a little cold water; add three table-spoonfuls of white sugar, the juice of half a lemon, and a small piece of the rind. Stir all quickly, while you pour boiling water till the pitcher is full. When cold, this drink is more nourishing and less apt to be injurious than lemonade made in the ordinary way. Try it.

MINING DECISION.—Judge Sawyer, in the case of Agard vs Noapareil Mining Company, has decided that the verbal assurance of the Company's President that the stock was unassessable was a sufficient guarantee, and granted an injunction against the sale of such stock for delinquent assessment.

SEMME'S corsair, which lies at the bottom of the English channel, rejoices in a most significant name—the A-la-ba-ma—which, translated from the original Tuscaloosameaas "Hero we rest."

FLUME BURNED.—Twelve hundred feet of the flume belonging to the Spanish Ranch Water Ditch, Plumas county, was burned a few days since, caused by a lot of Chinamen starting a fire in the woods, and leaving without extinguishing it.

A London compositor has lost his life by touching a boil on his face with his fingers, they being covered with the dust from new type. The boil swelled to an enormous size, and the young man died in about ten days.

THE Visalia *Delta* learns that immense damage is being done by fires, on the line of the new Owen's River Trail. These fires, result from the sheer carelessness, or worse, of the hog men.

THE costume of the Spanish ladies has not changed for two hundred years. Sensible—very.

REPRESENTATIVE Cole remains in the East until the close of the next Session of Congress.

WHY they are called "Strawberries" is thus explained. This ruddy and delicious fruit, was picked a long time ago in England, by children, and strung upon straws or grass and sold at the rate of so many strings for a penny. Hence the name.

THE latest prodigy among the Paris savans is a hen which astounded her owner by laying, not her accustomed egg, but a membranous pouch, enclosing a little dog, perfectly formed—but dead.

THE Virginia City *Herald* remarks that in that city, because of the great altitude, water boils at 200 degrees Fahrenheit. Two hundred and twelve is the boiling point on the lowlands.

ADMIRAL SIMPSON, of the Chilian navy, has gone to New York with power and funds to contract for the construction of several monitors for his Government.

PRECOCIOUS.—A boy only nine years old is now in the Nevada jail on charge of horse stealing. He was caught in the act, and exhibits all the hardiness of an old hand at the business. He was arrested in Grass Valley, where his parents reside. He has for some time been considered a very bad boy, naturally of thievish propensities.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbet Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

A GREAT INDUSTRIAL FAIR!

—TO BE—

Opened in San Francisco,

—ON THE—

30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of the ores worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked separately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled— "For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them are such as to merit interest, or are to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE.
H. D. DUNN,	P. B. DEXTER,
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER,
E. W. TORRY,	W. H. BRYAN.
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent.*

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "SLIGHT COLD" in its first stage; that which at the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. *"Brown's Bronchial Troches"* give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in pocket and taken as occasion requires.* Agents for California 1-1m REDINGTON & Co., San Francisco.

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.

14t W. A. H. TOWN, Secretary.

Caution.—Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

The following certificates were sold for delinquent assessments on Saturday, July 16, 1864, and will not be transferred on the books of the company:

Certificate	28	R Bradshaw	5 shares
Do	60	W Haley	5 do
Do	64	Jes Stansfield	40 do
Do	101	S B Clark	10 do
Do	109	M Fennell	25 do
Do	132	W G Moody	165 do
Do	144	Thomas J Pervear	5 do

By order of the Board of Trustees.

4 LAWRENCE C. OWEN, Secretary

SAN FRANCISCO FOUNDRY
And Machine Works,
Corner Fremont and Mission streets,
SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.

☞ Steam Engines constantly on hand.

Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.

☞ REPAIRING promptly attended to.

DEVOE, DINSMORE & CO.

San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.

tf. HOWLAND, ANGEL & KING.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.

Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by

13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.

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D. B. DINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

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NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

JOHN F. GALLAGHER..... .....JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.

ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.

☞ Particular attention given to casting Rudder Braces and Ship Work in general.

☞ All Jobs promptly attended to.—Prices moderate. ☜

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Vulcan Iron Works Company.
P. TORQUET, Manager.
Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Jonval and other Turbine Water Wheels with latest improvements.

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LEWIS COFFEY. J. S. RISDON.
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Steam Boiler & Sheet Iron Works

THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.

Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

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MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,

N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.

Mission, between Beal and Fremont Sts., San Francisco. qy29-tf

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.

Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

J. H. GARSH, J. A. PEER, W. DUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.

☞ SCROLL SAWING DONE TO ORDER. ☜
Fremont St., between Market and Mission, San Francisco. 3-3m

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
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CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the
LOWEST RATES.
HAYNES & LAWTON,
516 and 518 Sansome st., cor. Merchant, San Francisco.
1-3m

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 23 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS,.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBAU,.....Geyserville.
19-3m

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF AUGUST, 1864.

Aug. 3—UNCLE SAM.....
Aug. 13—GOLDEN CITY.....Capt. W. F. Lapidge.
Aug. 23—GOLDEN AGE.....Capt. E. S. Fransworth.

From Folsom street Wharf, at nine o'clock A. M., punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
21-tf Corner Sacramento & Leidsdorff Sts.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Pacific Powder Mill Company, Marin Co., California.

NOTICE.—A special meeting of the Stockholders of the above Company, will be held at the Office, No. 708 Montgomery Street, San Francisco, on Saturday, the 20th day of August, 1864, at 7 P. M., for the purpose of amending the By-Laws. By order of the Trustees.

4-4t A. H. MEYERPETER, Secretary.

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING
At less than half the cost of tin roofs.

READY ROOFING
More durable than Tin.

READY ROOFING
Suitable for steep or flat roofs.

READY ROOFING
For all kinds of buildings, in all climates.

READY ROOFING
Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inches wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.
Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,
Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6-tf 73 Maiden Lane, N. Y.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGER. No wood-work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $0.50. No. 1, $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST PUTNAM'S WRINGER. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that Iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER. Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

6-tf

STILL IMPROVING!

VOLUME IX
—OF—
The Mining and Scientific Press

COMMENCES
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,
An Economizer for Mining Advertisers,
A Reliable Reporter for Shareholders.
A Faithful Monitor for Stockdealers,

An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

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Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

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ORNAMENTAL IRON WORKS.

THE SUBSCRIBERS HAVING FORMED A CONNECTION with Messrs. Woon & PEAOT, of Philadelphia, under the above title, are prepared to furnish every description of

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Cast, Wrought and Wire Railings, for enclosing

CEMETERY LOTS, DWELLINGS, PUBLIC SQUARES, &c

Verandahs, Circular & Straight Stairs, Doors, Window Guards, Stable Fixtures, Fountains, Vases, &c.,

Also, having purchased of the late firm of Hutchinson & Wickersham, Canal street, their entire stock of

BEDSTEADS, CRADLES, FURNITURE, &c.,

They now offer to the public, at their New Warehouse, the most extensive stock of Ornamental Iron Goods to be found in the United States. They have also purchased of the NEW YORK WIRE RAILING CO., the patent right and machinery for making

Wire Railing, Farm Fence, Window Guards,

GRATING, COAL SCREENS, &c.,

And will continue the *Exclusive Manufacture* of the same at their Works.

CHASE & CO.,
(Opposite St. Nicholas Hotel,) 524 Broadway, New York.

Orders may be sent through the AMERICAN ADVERTISING AGENCY, 389 Broadway, New York. 6

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduced important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinions and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be able to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensue. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in references, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent secured by combined efforts. For this reason we only charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction, and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a nature. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted, the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first instalment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloths, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	16
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C..	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the vender, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; Cause for Low Currency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market; Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Brecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Peitsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1861; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Fusees; Gold Without Knowing It; Eating when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Rock Fastenings; A New Journal for the Use of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda Mining Items to Market; From Owensville; Songs of Birds; Items of Interest; etc.

THE MINING AND SCIENTIFIC PRESS is published every Saturday morning. Each number contains SIXTEEN PAGES of SIXTY-FOUR COLUMNS, issued by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair

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MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

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Assayer and Analytical Chemist,

Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.

REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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We are now ready to smelt every kind of Silver and Gold Ores. Parties unable to get satisfactory results by amalgamation, will find it to their interest to have their ore smelted at our works.

LARGE CONTRACTS ACCEPTED AT LOW RATES AND RESULTS GUARANTEED.

Facilities on hand to work all and every kind of Gold and Silver bearing ores as well as it can be done in Europe.

Amalgamation & Chloration

Carried on, on Silver and Gold ores as heretofore.

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Office, 315 Montgomery street; Works, San Bruno Road. 1v8im

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Bryant Street, Between Third and Fourth, San Francisco.

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☞ Gold and Silver Ores Reduced.

Practical Assays made of Gold, Silver and Lead Ores.

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WOODARD & WILSON,

Copper Crushing and Grinding.

Attend to all kinds of Grinding & Crushing,

—SUCH AS—

COPPER ORES, MARBLE DUST, FIRE-BRICK DUST,

And Feed of all Kinds,

All of which will be Ground at the Shortest Notice.

— ALSO —

California Mineral Paint and Mineral Polishing Powder.

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San Francisco, January 1st, 1864. 1-tf

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FOR THE REDUCTION OF

SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATION AND REFINING OF SILVER AND GOLD,

Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.

WORKS—On the San Bruno Road.

OFFICE—No. 315 Montgomery St., San Francisco. 15tf

Evening Instruction in Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 16th, 1864. 20

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QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

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Machines, or circulars containing further information, may be obtained of the undersigned.

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706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.

Idaho City. Michigan Bluff. San Francisco.

1-3m

Disney's Cylinder Amalgamator.

The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheapor than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process, that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's

AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, are less liable to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS, NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

The machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 14v8-tf

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK GOLD AND SILVER ORES, in large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merits of rock.

WHEELER & THAYER, Proprietors.

O. C. JONES, Amalgamator.

San Francisco, Oct. 13, 1863. j2tf

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,

WHOLESALE AND RETAIL DEALERS

— IN —

JAPAN AND CHINA TEAS,

AND

GROCERIES.

Store fronting on

514 Market & 15 Sutter St.

☞ THREE DOORS ☜

BELOW THE MARKET HOUSE,

San Francisco.

Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

A New and Valuable Book.

PROCESS OF SILVER AND GOLD EXTRACTION, BY Caldo Kastel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.

A. ROMAN & CO.,

Booksellers, Importers and Publishers,

417 and 419 Montgomery street,

no30-tf San Francisco.

HUNT'S

IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order, they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

DENTAL GOODS!

Dental Importing House.

R. H. McDONALD & CO.,

DRUGGISTS,

Corner Pine and Sansome streets, SAN FRANCISCO.

R. H. McDONALD & CO., DRUGGISTS,

SACRAMENTO.

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

DENTAL AND SURGICAL INSTRUMENTS, TEETH,

Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Plaggers, Sealers, Files.

ROSEWOOD DENTAL CASES,

Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

Dental Books.

We keep constanly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

3-3m R. H. McDONALD & CO., Druggists.

R. H. McDONALD. J. O. SPENCER.

R. H. McDonald & Co.,

WHOLESALE DRUGGISTS,

SACRAMENTO.

R. H. McDonald & Co.,

Cor. of Sansome and Pine Sts.,

SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS,	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns.

WILSON & EVANS,

513 Clay street, San Francisco.

122 J street, Sacramento. 3-6m

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,

406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 323 Montgomery Street. jltf

Lloyd's New Amalgamator

Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arrastra. From 60 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 15¾ ozs., Ryerson's machine having only got 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold	$73 33
Silver	42
To the Ton	$73 75

The assay being made by Messrs. Mollier & Co.

From 2½ pounds of the same ore, worked for the same party, was obtained:

Gold	$63 30
Silver	04
To the Ton	$63 34

Assay made by Kellogg, Hewston & Co.

The value from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $ 5 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $33 54.2 per ton; and over the works at this mill, $62 54.2 per ton. Result from 15 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $9.19, Silver, $1.82, amounting to $2.71-100—equal to $361.33-100 to the ton—the assay being made by Messrs. Mollier & Co. Mr. Deetken, at his metallurgical works in this city, obtained by the Varney Pan $154 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 68 pounds of ore from the Lady of the Lake Company, Grand Lode, San Francisco District, Arizona Territory, worked for C. W. C. Rewell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $2.6.13-100. Assay made by Messrs. Mollior & Co. 100 pounds of the same ore, worked by Deetken's Pan, and assayed by Kellogg, Hewston & Co., yielded $7.58-.00—equal to $111.60 to the ton. Difference in favor of Lloyd being $114.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines, can be addressed to the care of Messrs. Kinsell Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIRST SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Mining Notices.

Advertised in Previous Issues.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 29th day of June, 1864, the several amounts set opposite the Names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Butler, Mrs S F	154	20	$4 00
Chapman, Mrs S	80	5	1 00
Clark Joseph	77	35	7 00
Dennis, J R	73	20	4 00
Olson. E	178	10	2 00
Hardy, L J	152	5	1 00
Johnson, Ann M	167	8	1 60
Keller, M	29	30	6 00
Lange, Elizabeth	98	5	1 00
Lange, Katrina	99	5	1 00
Lange, Eva	100	5	1 00
Lee, Andrew	17	5	1 00
Lee, Andrew	18	5	1 00
Lewald, Ceorge	33	30	6 00
Matthews, L C	34	10	2 00
Miller, J H	173	5	1 00
McComb, E C	48	10	2 00
McCormick, H	49	10	2 00
McNeil, P	25	50	10 00
Nolan, M	172	15	3 00
Ryland, G F	82	20	4 00
Smith, George	38	5	1 00
Smith, George	39	5	1 00
Smith, George	78	45	9 00
Snow, Ansil	142	10	2 00
Sommers, Simon	44	25	5 00
Stathoff, R	81	5	1 00
Tinkham, H	141	20	4 00
Whalen, John	76	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rico & Co., No. 527 Montgomery st, San Francisco, on the 13th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale. N. O. FRENCH, Sec'y.

Office, 728 Montgomery street, San Francisco. 5-3t

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, August 23d, 1864, at the same hour and place. By order of the Board of Trustees.

N. G. FRENCH, Secretary.

San Francisco, August 12th, 1864. 7-2t

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, city and county of San Francisco.

There are delinquent, upon the following described Stock on account of assessments levied on the 2d day of November, 1863, and the 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C E Black, 1 ass't	71	50	6 25
Wm Francy, 1 ass't	74	100	12 50
O A F Gilbert, 2 ass'ts not issued		50	12 50
J G Hughes, 2 ass'ts	64 65	200	62 50
F S Lovejoy, 2 ass'ts	unissued	450	112 50
Ed Muller, 1 ass't	19 20 21 22 23 24	62½	7 81
C B O'Bannon, 2 ass'ts	unissued	550	137 50
A H Parker, 1 ass't	18	25	3 13
I J Rolfe, 1 ass't	27	6½	81
G W Welch, 1 ass't	32	25	3 13

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 31st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. C. DODGE, Secretary

5-4t

Aspinwall Gold and Silver Mining Company, Amador District, Lauder County N. T.

NOTICE.—There are delinquent, upon the following described stock on account of assessment No. 2, of fifty cents per share, levied June 10th, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
E E Elliot,	13 53 93—ea 20 shs	60	$30 00
E E Elliott,	87 94 97 98—ea 10 shs	40	20 00
E E Elliot,	00 100 101 102		
	103 104—ea 5 shs	30	15 00
E E Elliott,	55	15	7 50
G P Sparks,	not issued	55	27 50
G P Sparks,	11 57—ea 20 shs	40	20 00
G P Sparks,	56-40 shs		
G P Sparks,	58-10 shs	50	25 00
E E Meeks,	not issued	70	30 00
E E Meeks,	78 79—ea 10 shs	20	10 00
H A Chase	not issued	100	50 00
B T Hunt,	80 81 82 83—ea 10 shs	40	20 00
Richard Roman,	not issued	25	12 50
W D Mathcuay,	71-20 shs		
W D Mathcnay,	77-5 shs	25	12 50
W D Matheney,	72 73 74—ea 10 shs	30	15 00
W D Matheney,	75 76—ea 6 shs	12	6 00
A C Nichols,	38-10 shs		
A C Nichols,	39-15 shs	25	12 50
A C Nichols,	98	100	50 00
Ole Torson,	18	20	10 00
Sam Moore,	22 23; 24 25		
	26—ea 5 shs	25	12 50
Andrew Smith,	50-25 shs		
Andrew Smith,	88- 5 shs	30	15 00
W A White,	52	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of June, 1864, unless payment be made before, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Wednesday, the 3d day of August, 1864, at the hour of 12 o'clock, M., of saidday, to pay said delinquent assessments (fifty cents per share) thereon, together with costs of advertising and expenses of the sale.

A. F. EVEBETT, President.

POSTPONEMENT.—The above sale is postponed until Saturday August 13th, 1864, at the same hour and place. By order of the Board of Trustees.

5-1t JOSEPH HEALY, Secretary.

Clinton Gold and Silver Mining Company, Reese River District, Lander County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 2d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adolph, J J	10	10	$2 50
Agrell, A	3	5	1 25
Bivens, A	not issued	25	12 50
Bowley & Co.,	7	7	1 75
Dihlie, A B	14	12	3 00
Dodge, N	8	10	2 50
Faris, James	36	100	12 50
Hereford, R H	20	5	1 25
Jewett, Wm	27	10	2 50
Matteer, J M	28	10	2 50
O'Brien, E M	0	5	1 25
Ormshy, J H	25	5	1 25
Oversbiner, G W	10	10	2 50
Sparks, D K	22	25	6 50
Sparks, D K	23	50	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Edw. S. Spear, No. 433 California St., in the city of San Francisco, on the 26th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. O. APPLETON, Secretary.

Office, No. 25 Montgomery Block, San Francisco. 6-3t

Enterprise Copper Mining Company, Empire Lodge, Oarden Bar District, Placer County.

Notice is hereby given, that the office or principal place of business of the above Oompany will be removed on the 15th day of August next, to Lincoln, Placer County.

M. G. ELMORE, Secretary.

San Francisco, July 9th 1864. Office 621 Clay street.

2-4t

Fairview Copper Mining Company, Calaveras County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretory.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall all be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. WILMOT, Secretary.

Office, 537 Washington street, San Francisco. 5-5t

Fortuna Gold and Silver Mining Company, Reese River District, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 7th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
I J Rolfe,	10	10	$10 00
I J Rolfe,	11	10	10 00
I J Rolfe,	12	5	5 00
J B Richmond,	50	20	20 00
Sol Lewis,	52	75	75 00

And in accordance with law and an order of the Board of Trustees, so many shares of each parcel of said stock as may be necessary, will be sold at the office of Messrs. Goldsmith Bros., 422 Montgomery street, on the 29th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. JOHN DUNN, Secretary.

Office, 723 Montgomery street, San Francisco. 6-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 1st day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States coin, to the Secretary, at the office of the company.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of Septomher, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

O. W. HAYDEN, Secretary.

Office, No. 625 Olay Street, San Francisco. 6-4t

Good Hope Gold and Silver Mining Company, Alpine District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of July, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of August, 1864, in United States Gold Coin, to the Secretary, or to H. Morris, at Markleeville.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864. will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. PRESTON MGRRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco, 4-4t

Good Return Consolidated Gold and Silver Mining Company, Iuyo District, Tulare County, Cal.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 14th day of June, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the company, No. 728 Montgomery Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Saturday the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. O. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco, Cal.

N. B.—The above notice is hereby given in consequence of an error in former advertisement for the collection of the above assessment. (5-4t) N. G. FRENCH, Secretory.

Grosh Consolidated Gold and Silver Min. ing Company, Storey county. N. T.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 11th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Ray,	11	8	$1 60
J H Ray,	159	8	1 60
J H Ray,	211	6	1 20
J H Ray,	228	20	4 00
J H Ray,	229	16	3 20
G W Ryckman Jr	12	10	2 00
G W Ryckman Jr	13	10	2 00
G W Ryckman Jr	14	10	2 00
G W Ryckman Jr	15	10	2 00
G W Ryekman Jr	10	10	2 00
G W Ryckman Jr	17	10	2 00
G W Ryckman Jr	18	10	2 00
G W Ryckman Jr	10	10	2 00
C W Ryckman Jr	20	10	2 00
G W Ryckman Jr	21	10	2 00
G W Ryekman Jr	203	10	2 00
G W Ryckman Jr	204	10	2 00
G W Ryekmau Jr	205	10	2 00
G W Ryckman Jr	206	10	2 00
G W Ryckmau Jr	207	10	2 00
G W Ryckman Jr	208	10	2 00
G W Ryckman Jr	209	10	2 00
G W Ryckman Jr	211	5	1 00
G W Ryckmau Jr	212	5	1 00
G W Ryekman Jr	213	5	1 00
G W Ryckman Jr	214	5	1 00
G W Ryckman Jr	215	5	1 00
G W Ryckman Jr	216	5	1 00
G W Ryckmau Jr	217	5	1 00
G W Ryckman Jr	218	5	1 00
A H Gorley	105	3	00
J A Folger	240	10	2 00
Thos O Shaw	107	10	2 00
Thos O Shaw	108	10	2 00
Thos O Shaw	109	30	0 00
Thos O Shaw	110	7	1 40
John Johnson	111	8	1 60
John Johnson	112	8	1 60
John Johnson	113	8	1 60
J J Newsom	230	16	3 20
G Pierson	202	2	40
A Ryckman	23	10	2 00
A Ryckman	24	10	2 00
A Ryckman	25	10	2 00
A Ryekman	26	10	2 00
A Ryckman	27	10	2 00
A Ryckman	22	10	2 00
D M Hosmer	235	25	5 00
D M Hosmor	236	25	5 00
D M Hosmor	237	25	5 00
D M Hosmor	238	10	2 00
E W Willett	239	5	1 00
Wm Jackson	233	5	1 00
James Morgan	234	5	1 00

The following stock is held by certiocates under the first issue, previous to the increase of capital stock, with the number of shares to which the respective holders are entitled, under the new issue, with the amounts due thereon.

Horace Cole	182, 183, 184, 185		
	188	8	2 40
J L Read	400	40	12 00
E W Willett	358, 359, 380, 361	6	1 80
John Gorman	362	1	30
E F Northam	377	16	4 80
J H Ray	380, 384, 385, 386	30	9 00
Mrs A M Ransom	383	14	4 20
G W Ryckman Jr	367, 364, 337		
	335	112	33 50
John Bigler	330, 329, 328, 327	8	2 40
John McHenry	no number	480	144 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of June, 1864. so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company on the 3d day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHAS. H. RYDER, Secretary.

Office, No. 4, Oonrt Block, Clay street, San Francisco. 3

POSTPONED.—The above mentioned sale is postponed until Saturday, the 13th day of August, 1864, at the same hour and place. By order of the Board of Trustees.

5 1t CHAS. H. RYDER, Secretary.

Honest Minor No. 2 Gold and Silver Min. ing Company, Reese River District, Lander County, N. T.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of 62½ cents per share was levied upon the capital stock of said company, payable on the 5th day of August, 1864, in United States gold coin, to the Secretary or to EDWARD MULLER, Austin, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of Board of Trustees. JOHN DUNN, Secretory.

Office, 723 Montgomery Street, Room No. 4, San Francisco. 6-4t

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of ten (10) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILNSASLAAVE, Secretary.

Office, 607 Market street, San Francisco. 4

Heidelberg Gold, Silver & Copper Mining Com. pany, Tomales Pais District, Marin County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of July, 1864, an assessment, No. 7, of ten cents per share was levied upon the capital stock of said Company, payable immediately, in U. S. Gold Coin, to the Secretary at his office, or to the Superintendent, Mr. H. N. KERR.

Any stock upon which said assessment shall remain unpaid on Saturday, the 20th day of August, 1864, will be advertised on that day as delinquent and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

B. ROTHSCBILD, Secretary.

4-4t Office, 522 Montgomery street, San Francisco.

Holcombe Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and the by-laws of this company, there will be sold at public auction for cash in United States gold coin, on Monday, September 5th, 1864, at 11 o'clock A. M., of that day, by Cohn & Sinton, 409 Montgomery street, San Francisco. so many shares of the capital stock, standing in the names of the following persons, as will be necessary for the payment of assessment No. 1, duly levied January 8th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
S E Klier,	19 20 21 22 23 24 25	100	$100 00
John Rossetor,	28 27 28 29	50	50 00
A J Hendricks	35 37 38 39 40	100	100 00

By order of the Board of Trustees.

JOHN A. LEDDEN, Secretary.

Office, 523 Washington street, San Francisco. 5

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory. Office, No. 523 Clay street, San Francisco, California, July 23d, 1864.

Notice is hereby given that in accordance with an order duly made by the Board of Trustees of the Illinois Gold and Silver Mining Company, there will be sold at public auction by Jerome Rice and Co., at their salesroom, No. 327 Montgomery street, San Francisco, on Monday, August 29th, 1864, at 12 o'clock M., to the highest bidder for cash, in gold coin, so many shares of the Capitol Stock of the said company, standing in the names of the hereinafter mentioned stockholders, as will be necessary to pay all assessments now delinquent thereon, together with costs of advertising, and all accruing charges, unless previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
Morgan Richards,	2	100	$100 00
Thomas Waters,	65	83	hal 52 00
N T Carpenter,	54	10	10 00
C L Johnson,	67 68	15	15 00
John Jones,	92	101	101 00

By order of the Board of Trustees.

5-5t B. W. MUDGE, Secretary.

Illinois Gold and Silver Mining Company, Smoky Valley District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of July, 1864, an assessment of fifty cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to Ralph Brown, Superintendent, Carson City, Lander County, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday, the 2d day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. A. WBEELER, Secretary.

Office, No. 1 and 2, Oovernment Honse, corner Sansome and Washington streets. 5-4t

Kelsey Gold and Silver Mining Company, Kel. sey District, El Dorado County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 27th day of July, 1864, an assessment of ten cents per share was levied upon the capital stock of said Company, payable on the 28th day of July, 1864, in United States gold coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday 10th the day of September, 1864, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees.

S. O. GARDNER, Secretary.

Office, 605 Sacramento street, First door West of Montgom street, up stairs. 5-4t

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees said Oompany, held on the 23d day of July, 1864, an assessment of 50 cents per share was levied upon the Capital stock of said Company, payable on the 25th day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the Company, No. 25 Montgomery Block, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday the 16th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. F. G. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 5-4t

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretory, or to J. H. Cassidy, at the mine.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be declared delinquent, and advertised as such on Saturday, August 27th, 1864, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINECAR, Secretary.

Office, No. 322 Front street, San Francisco. 5-4t

La Libertad Gold and Silver Mining Company, Cachachilias District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollar per share, was levied upon the Capital Stock of said company, payable in three (3) equal instalments of 33⅓ cents each; the first payable on the 27th day of July, 1864, in United States gold coin, to the Secretory, and the balance in every fifteen days thereafter.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as deliquent, and unless payment shall be made before, will be sold on Saturday the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the board of Trustees. WILLIAM VALE, Secretary.

Office, 55 & 56 Exchange Building, northwest corner of Montgomery and Washington streets, San Francisco. 6-4t

Libertad Gold and Silver Mining Company, Disirlet of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an Assessment of five dollars per share was levied upon the Capital Stock of said Company, payable in United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, August 20th, 1864, will be advertised on that day as delinquent, and unless payment shall be made heforo, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

4-4t LAWRENCE C. OWEN, Secretary.

Lady of the Lake Gold and Silver Mining Com. pany, San Francisco District, Arizona Territory.

Notice is hereby given, that in accordance with law and an order of the Board or Trustees, there will be sold at public auction, at the office of the company, No. 302 Montgomery street, San Francisco, on Thursday, August 25th, 1864, at 10 o'clock A. M., to the highest bidder for cash, so many shares of the capital stock of the Lady of the Lake Gold and Silver Mining Company, standing in the names of the following persons, as may be necessary, to pay the assessment due thereon, together with expenses of advertising and sale, unless the said assessment and charges are previously paid, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
P B Fagan,	35 36 37 38 39 40 41 42 44	90	$45 00
E M Hall,	2 59	130	65 00
W M Allen,	not issued	190	95 00
H M Cox,	47	20	10 00
O G Webster,	55	100	50 00
*C W C Rowell,	7 8 9 15 16 21	hal 115	57 50
*William Packard,	45	50	25 00

——*Assigned to other parties but not transferred.

4-4t WM. HOLLIS, Secretary.

Leland Gold and Silver Mining Company, San Francisco District, Arizona.

NOTICE—There are delinquent upon the following described stock on account of Assessment No. 1 of 50 cents per share levied January 5th 1864, upon each and every share of the capital stock of the above named company, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Samuel L Theller,	23 45-50 ea	100	$50 00
Samuel L Theller,	67 68-20 ea	40	20 00
C E Levan,	50	20	10 00
E M Hall,	65	130	05 00
P B Fagan,	38	50	25 00
P B Fagau,	40 41 42 43 44-10 ea	50	25 00
W M Allen,	not issued	190	95 00
L P Ward,	74	40	20 00
C W C Rowell,	4	100	50 00
C W C Rowell,	12 15 18 17-10 ea	40	20 00
C W C Rowell,	18	15	7 50

And in accordance with the laws of the State of California, and the order of the Board of Trustees of said company made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 529 Clay street, San Francisco, on Friday, August 26th, 1864, at the hour of 12 o'clock M. of said day, payable in United States gold coin, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. By order.

(4-5t) THEO. A. MUDOE, Secretary.

Ossipee Gold and Silver Mining Company, El Dorado County. California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of five cents per share was levied upon the capital stock of said Oompany, payable in United States gold coin; and that at a meeting of the Board of Trustees of said company, held on the 25th day of July, 1864, it was ordered that said assessment should be payable on the 26th day of July, 1864, to the Secretary at the office of the company, No. 703 Montgomery Street, city and county of San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 13th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURIOE, Secretory.

Office, 703 Montgomery street, city and county of San Francisco. 5-4t

Palmyra Consolidated Gold and Silver Mining Company.

NOTICE.—The annual meeting for the election of Trustees for the ensuing year, and the transaction of other business, will be held at the office of the company, 625 Clay street, San Francisco, August 22d, 1864, at 7½ o'clock P. M.

6-2t C. W. HAYDEN, Secretary.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of one dollar per share was levied upon the assessable stock of said Company, payable on the 24th day of July, 1864, in United States coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, 411 Clay Street, San Francisco. 5-4t

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of five dollars per share was levied upon the Capital stock of said Company, payable immediately, in United States gold Coin, to the Secretary at his office, or to the Superintendent R. R. Moss, at Virginia City.

Any stock upon which said assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. J. J. TREADWELL, Secretary.

Office, No. 626 Montgomery street, San Francisco. 5-4t

Penn Silver Mining Company, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of three dollars per share was levied upon the assessable stock of said Company, payable on the 22d day of July, 1864, in United States Coin, to the Secretary of said company.

Any stock upon which said Assessment shall remain unpaid on Saturday the 20th day of August, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday, the 3d day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, 411 Clay Street. 4

Queen of Antilles Consolidated Gold and Silver Mining and Tunnel Company, Reese River, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 1, levied on the 9th of January, 1864, of 0ve cents per share; No. 2, twenty-five cents per share, levied on the 30th of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Reamer,	22 to 31	90	$22 50
Miron Pixley,	59 to 67	90	22 50
J Davis,	91 to 90	81	20 25
J W Benison,	37 to 43	75	18 75
P J Nolan,	97 [illegible]	45	13 50
C F Myers,	100 to 119	263	78 90
B Littlefield,	120 to 139	271	81 30
G Mitchell,		00	27 00
H Horps,	100, 140 to 158	250	75 00
J L Snyder,	158 to 163	00	27 00
Geo Bortle,	5, 7, 8, 10, 11, 12	31	15 25
C McIlvy,	53, 54, 55	67	13 75
W H Head,	50, 57, 58	45	11 25
T Green,	80, 90	90	22 50
J P Boyce,	73	9	2 70
J C Trihlehone,	22	20	5 00
C E Helfrich,	20, 21	10	2 50
J H Long,	32	10	2 50
W P Winham,	34	10	2 50
J G Benison,	35	3	1 50
G R Baker,	4	3	75
S S Hussey,	14	5	1 25
R A Frazer,	15	3	75
T W Holliagshead,	38, 09. 70	40	10 00
W H Estus,	71 to 74	25	6 25
J Stotla,	75 to 77, 79, 82, to 84		
	86, 88	107	20 75
T C Wales, Jr.	51, 52	25	3 25
J M Denison,	38	50	12 50

And in accordance with law and an order of the Board of Trustees made on the 29th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction for United States coin, at the Office of the Company, on the 2d day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. O. B. LARRABEE, Secretary.

5-4t Office, 523 Clay street, San Francisco, Cal.

Quartz Mountain Gold and Silver Mining Company, Placerville, El Dorado County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment; levied on the 29th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
J P Davis,	13	10	$1 00
J P Davis,	15	5	2 00
J P Davis,	10	5	2 00
J P Davis,	70	10	4 00
W L Hutchinson,	24	5	2 00
W L Hutchinson,	20	5	2 00
W L Hutchinson,	23	10	4 00
W L Hutchinson,	31	25	10 00
W L Hutchinson,	32	25	10 00
Andrew Hutchinson,	93	25	10 00
F R Baby,	48	25	10 00
F R Baby,	40	25	10 00
F R Baby,	50	25	10 00
F R Baby,	51	25	10 00
A B Allen,	52	50	20 00
A D Allen,	53	20	8 00
A D Allen,	54	20	8 00
A F Mitchell,	59	25	10 00
A F Mitchell,	60	10	4 00
A F Mitchell,	61	15	6 00
M Wilton,	72	50	20 00
E Raodell,	73	50	20 00
C W Brown,	82	45	18 00
F Mayo,	56	10	4 00

And in accordance with law and an order of the Board of Trustees, made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 623 Montgomery st, San Francisco, California, on Friday the 19th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 5-3t

Mr. Jarvis Jewett is our duly authorized advertising agent and collector in this city.

Standard Gold and Silver Mining Company, Amador Mining District, Lander County, Nevada Territory.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees, there will be sold at public auction, by Cohh & Sinton, No. 406 Montgomery street, San Francisco, on Monday, August 22d, 1864, at 12 o'clock M. of that day, to the highest bidder for cash, in United States gold coin, so many shares of the capital stock of the above named company, standing in the names of the following shareholders, as will be necessary for the payment in full of assessment No. 1, duly levied February 24th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
W J Baugh,	not issued	100 bal due	$120 00
C M Belmet,	not issued	90	
	32	10	bal due 175 13

By order of the Board of Trustees.

F. S. CARTER, Secretary.

Office, 623 Washington street, San Francisco. 4-4t

Simpson & Bosselle Mining Company.—Mines Located in Carson Valley District, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 30th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares	Amount.
Anderson, J B	217	10	$3 00
Andrews, Curtis	219	10	3 00
Ahlers, J H	213	5	1 50
Bonney, O	20 31-ea 25	50	15 00
Bonney, O	32 34-ea 10	20	3 00
Roaney, O	146	8	2 40
Bonney, O	210	5	1 50
Boyle, Peter	158	10	3 00
Bateman, A L S	133	10	3 00
Brannan, Alex	168	10	3 00
Bowker, C O	184	10	3 00
Blum, Isaac	102	5	1 50
Blum, Isaac	232	10	3 00
Burnell, R	207	10	3 00
Bedell, M B	202	5	1 50
Bedell, B N	223	10	3 00
Bausman, Adam	257	15	4 50
Burgess, Alfred	260	10	3 00
Bowdie, Henry	267	5	1 50
Clark, E A	160	5	1 50
Clark, E A	204	5	1 50
Chevallier, L E	167	5	1 50
Chevallier, Margaret	174	3	90
Crismas, C L	185 186-ca 10	20	6 00
Crismas, C L	187	5	1 50
Cagwin, H A	180	5	1 50
Dowaing, Wm H	155	10	3 00
Downing, Wm H	164	15	4 50
English, James	218	5	1 50
Echler, J A	275	10	3 00
Esty, M A	273	10	3 00
French, W H	66 67-ca 25	50	15 00
French, W H	38 80 220 227-ca 10	40	12 00
French, W H	228 229 230 231-ea 5	20	6 00
Felscathal, P	128	5	1 50
Fitch, H A	134	5	1 50
Fitch, Mrs H A	138	5	1 50
Funk, Benj	190	10	3 00
Fischer, Theodore	271	5	1 50
Fischer, Theodore	273	10	3 00
Fulton, John	279	5	1 50
Grinage, F W B	153	5	1 50
Goff, Hannah J	278	5	1 50
Goff & Robinson,	280 to 285 inclusive, each 5 shares	30	9 00
Goff & Robinson,	287 to 295 inclusive, each 5 shares	45	13 50
Heinze, Sedoain	272	5	1 50
Harter, D	270	15	4 50
Hogle, G T	237	10	3 00
Hartwell, C N	148 149 150-ea 5	15	4 50
Hudson, John G	183 205-ea 5	10	3 00
Ivons, C H	209	10	3 00
Jackson, W T	159	7	2 10
Jaakeon, W T	163	3	1 50
Jordon, Joseph	263	5	1 50
Keith, Wm H	127	10	3 00
Lambert, Henry	151	3	90
Lubin, R D	143	10	3 00
Lockwood, T	208	10	3 00
Laggard, J A	277	10	3 00
McConkey, S	274	5	1 50
Moore, C	300	10	3 00
Marpe, W F	268	5	1 50
Mauk F	202	10	3 00
Manley B	135 136-ea 10	20	6 00
Manley, B	137	5	1 50
Murray, James	166	10	3 00
Morgan, John A	145	2	60
Maxson, W B	142	10	3 00
Nichols,	19 20-ea 50	100	30 00
Nichols,	21 22-ea 25	50	15 00
Nichols,	25 26 27-ea 10	30	9 00
Newman, Simon	101	5	1 50
Neff, Jerome	220	5	1 50
Oakley, Henry	154	12	3 60
Organ, Thos J	206	5	1 50
Perry, Chester	296	3	1 50
Perry, Anson	297	5	1 50
Pearson, E C	265	10	3 00
Parker, J W	262	20	3 00
Parker, J W	263 264-ca 25	50	15 00
Packard, Fred	224	5	1 50
Pulmer, E O	215	15	4 50
Payne, G G	182	25	7 50
Rogers, J H	195 196-ea 20	40	12 00
Rogers, J H	197	30	0 00
Reisch, P M	199	10	3 00
Robinson, Samuel	212	10	3 00
Schlecht, Martin,	221	5	1 50
Spear, Asa	603	5	1 50
Seely, J	233	10	3 00
Simpson, Edwin	73 75 78 each 100 shares	300	90 00
Simpson, Edwin	78	25	7 50
Simpson, Edwin	80 172-ca 10	20	3 00
Simpson, Edwin	230 240 241 242-ca 5	20	6 00
Simpson, Edwin	243 244-ea 5	10	3 00
Simpson, Edwin	245	10	3 00
Simpson, Edwin	240	11	3 30
Sigshee, J L	602	5	1 50
Timson, Wm	234	5	1 50
Tibbetts, Wm	161	5	1 50
Tibbetts, Wm	163	15	4 50
True, J M	55 56-ca 50	100	30 00
True, J M	57 58-ca 25	50	15 00
True, J M	59 to 63 inclusive each 10 shares	50	15 00
Van Every, A J	1	50	15 00
Van Every, A J	5	10	3 00
Van Every, A J	238	5	1 50
Wright, Nellie B	173	5	1 50

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Jerome Rice & Co., 327 Montgomery street, San Francisco, on Wednesday the 17th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office 302, Montgomory Street, San Francisco. 5

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of Fifty cents per share was levied upon the capital stock of said Company, payable on the 5th day of August, 1864, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. A. RUST, Secretary.

Office, 212 California street, San Francisco. 6-4t

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment No. 3, levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows, being $1.50 per share:

Names.	No. Certificate.	No. Shares.	Amount.
Geo Brown,	10	50	$75 00
Geo Brown,	22	50	75 00
R Hughes.	11	75	112 50
W Wainwright,	23	90	135 00
W Schadt,	24	100	150 00
J S Scott,	25	80	120 00
Mrs W Wainwright,	26	100	150 00
Jas P Clough,	14	25	37 50
Jas P Clough,	15	25	37 50
Jas P Rogers,	8	20	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of John Middleton & Son, N. E. corner Montgomery and California streets, San Francisco, on Saturday the 13th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

SAM. P. HOWES, Secretary.

Office, Nos. 42 and 43 Cooverament House, N. W. cor. Sansome and Washington streets, San Francisco. 5-2t

Slaters Gold and Silver Mining Company, Augusta District, Lander county, N. T. Office, 406 Front street, city and county of San Francisco.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 17th day of October, 1863, and 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Abrehem Bryant	2 ass'ts, 61 62 64 85 97 103 104	94½	$28 35
W J Davis,	1 ass't 34	62½	9 37
J S Hughes,	do 81 82 83	575	86 25
Wm O M Janson	do 76	50	7 50
Ed Mullor,	do 20 21 22 23	37½	5 63
Frank Melville,	2 ass't's unissued	250	75 00
A H Parkor,	1 ass't 9 11	60	0 00
I J Rolfo	do 24 25 27		
	28	100	15 00
G W Welch,	do 30	25	3 75
C Winter,	do 69		1 88
Wilson Brown,	77	200	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, city and county of San Francisco, on the 31st day of August, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. O. BOOOE, Secretary.

5-4t

Teutonia Mining Company, San Miguel District, California. Office, No. 523 Clay street, San Francisco.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Teutonia Mining Company, there will be sold, at public auction, at the office of the company No. 523 Clay street, on Saturday, August 20th, 1864, at eleven o'clock A. M. of that day, to the highest bidder for cash in United States gold coin, so many shares of the capital stock of said company, standing in the names of the following shareholders, as will be necessary to pay the assessments duly levied thereon, and now being due and unpaid, together with expenses of advertising and sale, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
P B Oppenheim	75	50	12 50
P B Oppenheim	73	24	3 25
P B Oppeaheim	77	10	2 50
P B Oppenheim	79	10	2 50
P B Oppenheim	80	10	2 50
P B Oppenheim	81	5	1 25
P B Oppenheim	83	5	1 25
P B Oppenheim	84	7	1 75
L Emmanuel	137	50	12 50
Julia Figel	not issued	10	2 50
D Mandl	74	5	1 25
Adolph Warner	20	20	5 00
Adolph Warner	21	20	5 00
Adolph Warner	22	20	5 00
Adolph Warner	23	10	2 50
Adolph Warner	24	10	2 50
Adolph Warner	25	10	2 50
M Meye	not issued	50	12 50
M Simonsen	7	50	12 50
M Simonsen	8	20	5 00
M Simonsen	9	10	2 50
M Simonsen	10	10	2 50
M Simonsen	12	5	1 25
B Joseph	138	50	12 50
W Shahn	47	5	1 25
Cerrie Simons	51	5	1 25
Corn's Stagg	50	5	1 25
S Figel	57	5	1 25
A L Thiele	90	25	3 25
A L Thiele	91	30	7 50
Mrs M T Farrell	93	2	50
Mrs M T Farrell	127	5	1 25
A Levy	102	100	25 00
A Levy	103	25	3 25
A Levy	104	25	3 25
A Levy	105	10	2 50
A Levy	106	10	2 50
A Levy	107	10	2 50
A Levy	108	10	2 50
A Levy	109	10	2 50
A Levy	110	10	2 50
A Levy	112	5	1 25
A Levy	113	5	1 25
A Levy	114	5	1 25
A Levy	115	5	1 25
A Levy	116	5	1 25
A Levy	117	5	1 25
A Levy	120	1 1-3	33
M Hyamson	123	10	2 50
M Hyamson	150	5	1 25
C Wenlf	124	50	12 50
H Hymen	136	200 1-3	50 08
D Mendis	not issued	100	25 00
P Berwin	73	100	25 00
J Jacohy	80	50	12 50

By order of the Board of Trustees.

T. A. MUDCE, Secretary.

Office, 523 Clay street, San Francisco, August 6, 1864. 5

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 16th day of July, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said Company, payable on the 15th day of July, 1864, in United States gold coin, to the Secretary, at his office, No. 605 Sacramento street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Wednesday, the 17th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 31st day of August, 1864, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. GARDNER, Secretary,

Office, 605, Sacramento Street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 20th, 1864, and the sale thereof is postponed until September 3d, 1864. By order of the Board of Trustees.

3-5t S. O. GARDNER, Secretary.

Well Partridge Mining Company, Weaver District, Weaver's Placer Diggings, Arizona Territory.

Notice.—There are delinquent, upon the following described stock (of said company), on account of assessment No. 1, levied on the 5th day of January, and assessment No. 2, levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders as follows, viz:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Asquith,	ass't 1 & 2 not issued	15	$3 75
Wm Asquith,	do do	45	11 25
H Beanison,	ass't 2	20	50	3 25
H Benaison,	do	27	50	6 25
H Benaison,	do	28	25	6 12
H Benaison,	do	29	25	3 12
Hugh Carlan,	do	45	10	1 25
F Braddy,	do	3	5	02
W B Gereau,	do	32	20	2 50
W B Gereau,	do	63	20	2 50
W B Gereau,	do	64	20	2 50
W B Gereau,	do	35	20	2 50
W B Gereau,	do	67	20	2 50
W B Gereau,	do	68	20	2 50
W B Gereau,	do	69	10	1 25
Wm Hunt,	ass't 1 & 2	13	10	2 50
D B Harrison,	do 2	86	75	11 25
Benj Lewis,	do 1 & 2 not issued	45	11 25
G A Lloyd.	do 2	81	25	3 12
T E Marchant,	do 1 & 2 unt issued	65	10 25
T E Marchant,	do do	25	3 25
Wm McGowae,	do	14	10	2 50
Wm Watson McGowan assessments 1 & 2		15	10	2 50

And in accordance with law, and an order of the Board of Trustees of said Well Partridge Mining Company, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, to the highest bidder for cash (in United States Gold and Silver Coin), at the salesroom of Messrs. Jerome Rice & Co., No. 327 Montgomery street, San Francisco, State of California, on Saturday the 27th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. MARSHALL WINN, Secretary.

Office, No. 430 Montgomery street, Room No. 5, up stairs, San Francisco, California. 5-4t

Warfield Mining Company, Placer County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Humphreys	3	100	$15 00
Joseph Wells	7	50	7 50
C B Smith	12	200	30 00
F C Nuanelly	15	100	15 00
Perry Clark	16	50	7 50
G G Brown	18	50	7 50
H W Starr	19	200	30 00
Hall & Allen	22	400	60 00
S Howard	23	200	30 00
B N Bughy	27	25	3 75
A Spiuks	30	25	3 75
B F Bates	32	25	3 75
Fauness & Farmer	33	25	3 75
L Sosier	34	100	15 00
Harvey Rice	44	50	7 50
N O Day	45	50	7 50
Rufus Smith	40	25	3 75
Alexander Mills	35	100	15 00
Amos M Smith	47	100	15 00
S McWilliams	51	25	3 75
A C Gordan	52	25	3 75
A D Whitney	53	25	3 75
C Holland	54	25	3 75
B F Glidden	55	200	30 00
F B Higgins	66	20	3 00
F B Higgins	37	20	3 00
F B Higgins	38	10	1 50
F B Higgins	39	10	1 50
F B Higgins	40	10	1 50
F B Higgins	41	10	1 50
F B Higgins	42	10	1 50
F B Higgins	43	10	1 50

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 22d day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

R. K. ALLEN, Secretary.

Office, No. 16 Metropolitan Block. 6-3t

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the nnqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for pateuts, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It lt e sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

New This Week.

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Samuel White	2	10	$10 00
P H Mulford	3	5	5 00
P H Mulford	4	5	5 00
J Fillebrown	8	32	32 00
J Fillebrown	28	18	18 00
J 1 Bliven	29	5	5 00
J 1 Bliven	31	5	5 00
D C Eaton	33	20	20 00
D C Eaton	36	5	5 00
D C Eaton	37	5	5 00
D C Eaton	38	3	3 00
G W Roberts	47	5	5 00
P Decker	48	50	50 00
H Beach	49	50	50 00
H Beach	50	35	35 00
1 K White	51	10	10 00
R Barney	52	1	1 00
R Barney	53	9	9 00
J S Scott	74	5	5 00
J S Scott	78	5	5 00
J S Scott	70	5	5 00
J.S Scott	102	5	5 00
Wm B Marshall	85	10	10 00
Geo W Chapin	110	100	100 00
Geo W Chapin	117	100	100 00
Geo W Chapin	118	50	50 00
Geo W Chapin	119	25	25 00
Geo W Chapin	120	10	10 00
Geo W Chapin	123	383	383 00
Thomas N Parker	121	25	25 00
E P Fish	122	25	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 523, Montgomery street, San Francisco, California, on Saturday the 27th day of August, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 523 Montgomery street, San Francisco, California. 7

Astor Gold and Silver Mining Company, Gold Hill Mining District, Storey County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 10th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, No. 435 Jackson street, or to E. A. HYNE, Superintendent, Gold Hill.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

EDWARD O. LOVELL, Secretary.

Office, 436 Jackson street, San Francisco. 7-4t

Caldwell Gold and Silver Mining Company, Cove District, Kern River, Tulare County, California.

Kern River Gold and Silver Mining Company, Cove District, Tulare County, California.

The office and principal place of business of the above named Companies, will be removed from the City of San Francisco to Cove District, Tulare County, California, after the necessary legal steps are perfected.

M. O. ELMORE, Secretary.

Office, 521 Clay street.

San Francisco, August 12, 1864. 7-5t

Dane Gold and Silver Mining Company, Esmeralda.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 5, levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Shares.	Amount.
John S Mayhugh	87	$87 00
D C Crocker	5	5 00
W F Atwood	208	208 00
Jesse Richardson	10	10 00
James Hitchens	15	15 00
Jas H Decring	75	75 00
M L Citron	10	10 00
F J Barber	10	10 00
Adam Ross	10	10 00
Mrs H C Bull	5	5 00
W H Forbes	10	10 00
Jas J Robbins	123	123 00
W H Hamden	10	10 00
Larkin Smith	45	45 00

And in accordance with law, and an order of the Board of Trustees made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold public at auction, at the office of the Company, No. 523 Montgomery street, on the 20th day of August, 1864, at the hour of 12 o'clock A., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD CONNEB, Secretary.

Office, 523 Montgomery Street. 7

POSTPONEMENT.—The above sale is postponed until Tuesday, August 30th, 1864, at the same place and hour. By order of the Board of Trustees.

7 EDWARD CONNEB, Secretary.

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of June, 1864, an Assessment of Two Dollars per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, 708 Montgomery street, city and county of San Francisco.

Notice is hereby given that at a meeting of the Board of Trustees of said company on the 9th day of August, 1864, the Secretary was directed, on account of error in previous notice, to readvertise the above assessment, payable to the Secretary, at the present office of the company, No. 702 Washington street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

G. PARDOW, Secretary.

Office, northwest corner Washington and Kearny streets, San Francisco. 7-4t

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Bartlett, B L	141 142-ea 50	100	$20 00
Baker, S D	181 to 186-ea 5		
	187 188-ea 10		
	189-25 shs	75	15 00
	164	1	20
Flanders, D P	168 169-ea 5	10	2 00
Hong, G W	152	1	20
Lennon, J W	172	25	5 00
Mahood, J A	173	10	2 00
Robbins, J	170	10	2 00
Scott, J W	112 113 114-ea 25		
	119 to 122-ea 25		
	150 to 156-ea 10		
	180-15 shs	250	55 00
Simpson, J L	161	1	20
Triune Mining Co.	109 110-ea 100		
	151-82 shs	282	56 40
Tuttle, W N	131 132 133-ea 25	75	15 00
Feild, V	174	10	2 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Jerome Rico & Co., No. 327 Montgomery st., San Francisco, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

JOHN J. SCOTCHLER, Secretary.

Office, 204 Front street, San Francisco. 7

Eureka Mill and Mining Company, Big Creek District, Lander County, N. T.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D Reese	1	20	$63 00
D Reese	2	20	63 00
B Reese	3	22½	70 87
D E Buel	18	125	196 87

And in accordance with law, and an order of the Board of Trustees, made on the 12th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by John Middleton & Son, on the 27th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco. 7

Santa Maria Silver Mining Company, Belle Silver Mining Company, Imperatrice Silver Mining Company, Maryland Silver Mining Company. Location, Santa Fe District, Lander county, N. T.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 23d, 24th and 25th days of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SANTA MARIA S. M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
H B Underhill,	Cert No. 1, 2, 3 25 shares each	75	$37 50
G R Choate,	Cert. 4, 5 25 shares each	50	25 00
J H Huston,	Cert 6, 7, 9, 10 No Shares 20, 20, 20 cert 13, 14, 15, 17, 20, 23, 24 shs 10, 10, 10, 10, 10, 5, 5	140	70 00
John D Moore,	Cert from 31 to 35 inc 20 shares each	100	50 00
John D Moore,	Cert from 36 to 45 inc 10 shares each	100	50 00
John D Moore,	Cert from 46 to 55 inc 5 shares each	50	25 00
O B Westcott,	Cer 56, 10 shs & 57, 5 shs	15	7 50
R Porterfield,	Cer 65	10	5 00
M I Ryan,	Cert 79, 84, 85 10 shares each	30	15 00

BELLE SILVER M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 6 No. Shares 20, 20, 20, 20, 10 cert 7, 8, 9, 13, 22, 25 shs 10, 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 37 inc & 39, 40, 10 shares each	90	45 00
John D Moore,	Cert from 41 to 45 inc 5 shares each	50	25 00
H B Underhill,	Cert No. 56	12	6 00
Geo R Choate,	Cert No. 58	13	6 50
O B Wcatcott,	Cert No. 58, 10 shs & No. 59, 5 shares	15	7 50
M I Ryan,	Cert 80, 83, 84, 85 No. Shares 60, 25, 25, 25	125	62 50

IMPERATRICE S. M. CO. (Asst levied Feb. 24, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 5 No. Shares 20, 20, 20, 20, 20 cert 7, 9, 15, 17, 18 shs 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 40 inc 10 shares each	100	50 00
John D Moore,	Cert from 41 to 50 inc 5 shares each	50	25 00
H B Underhill,	Cert 51	13	6 50
Geo R Choate,	Cert 52	12	6 00
Robert Stear,	Cert 62	10	5 00
M I Ryan,	Cert 89	25	12 50

MARYLAND S. M. CO. (Asst. levied Feb. 25, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 8, 9, No. Shares 20, 20, 20, 20, 10 cert 13, 14, 19, 21, 22, 23, 24, 28 shs 10, 10, 5, 5, 5, 5, 5	140	$70 00
John D Moore,	Cert from 29 to 33 inc 20 shares each	100	50 00
John D Moore,	Cert from 34 to 43 10 shares each	100	50 00
John D Moore,	Cert from 44 to 53 5 shares each	50	25 00
O B Westcott,	No. 59, 10 shares & 60 5 shares	15	7 50
M I Ryan,	No. 87	50	25 00
H P Hundy,	Cer 70, 71, 73, 74, 75 No Shares 25, 25, 25, 15, 15 cert 76, 77, 78, 70 shs 5, 5, 5, 5, 5	125	62 50

And in accordance with law and an order of the Board of Trustees made on the aforesaid dates, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Companies, 305 Montgomery street, San Francisco, on Thursday, the 15th day of Sept. 1864, at 11 o'clock, A. M. of said day, to pay said delinquent assessments thereon, together with the cost of advertising and expenses of sale.

San Francisco, Aug. 8th, 1864. J. S. LUTY, Sec'y.

7-4t Office, 305 Montgomery Street.

Steamboat Silver Mining Company, Sierra District, Humboldt County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable on the 5th day of August, 1864, in United States gold coin to the Secretary, at the office of the Company, or to JAS. T. MACLEAN, Superintendent at the mines.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. S. O. PUTNAM, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 7-4t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 9th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Paul Shirley	160	100	$100 00
Paul Shirley	161	25	25 00
Paul Shirley	162	25	25 00
Paul Shirley	163	25	25 00
Paul Shirley	164	25	25 00
J M Goodall	181	10	10 00
J M Goodall	182	10	10 00
J M Goodall	183	10	10 00
J M Goodall	184	10	10 00
J M Goodell	185	10	10 00
S J Bennett	144	25	25 00
S J Bennett	145	50	50 00
Richard Brainard	47	25	25 00
Richard Brainard	215	25	25 00
Richard Brainard	216	9	9 00
Richard Brainard	246	25	25 00
Richard Brainard	310	50	50 00
R A Sandford	136	2	2 00
H Michaels	158	8	8 00
H Michaels	175	5	5 00
Julius Fink	321	180	130 00
G M Dexter	80	25	25 00
G M Dexter	304	25	25 00
J G Tilton	84	10	10 00
J G Tilton	195	5	5 00
J G Tilton	196	5	5 00
J G Tilton	151	50	50 00
Perry Cram	290	75	75 00
J V Lyons	325	25	25 00
David Hufford	332	12	12 00
M H Hunter	33	25	25 00
M H Hunter	34	50	50 00
M H Hunter	35	50	50 00
M H Hunter	36	50	50 00
E Shannon	320	10	10 00
R Hall	265	300	300 00
C Wilhelm	48	10	10 00
C Wilhelm	240	20	20 00
C Wilhelm	245	5	5 00
C F Rundlett	117	13	13 00
C Buckman	150	8	8 00
C Buckman	241	10	10 00
C Buckman	263	10	10 00
B F Sterrett	250	50	50 00
Miss A Lewis	264	5	5 00
H P Penniman	not issued	75	75 00
J J Scotchler	250	10	10 00
J J Scotchler	251	10	10 00
J J Scotchler	252	5	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. O. WOOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 7

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Brooks, A	18	50	10 00
Currier, R A	45	6	1 20
Felton, H T	20 21 81 82 121-ea 10 shs		10 00
Geddis, Wm H	85 86-ea 50 shs		20 00
Geddis, Wm H	87 88-ea 25 shs		10 00
Hanson, C	96	50	10 00
Holbrook, B F	31	15	3 00
Klein, S	29	10	2 00
Klein, S	30	5	1 00
Linsley, E W	103 104-ea 50 shs		20 00
Linsley, E W	105 106-ea 20 shs		8 00
Linsley, E W	110 107 108-ea 10 shs		6 00
Linsley, E W	111	11	2 20
Otis, Stephen	80	150	30 00
Otis, Stephen	74	150	30 00
Otis, Stephen	84	40	8 00
Paine, H G	97	28	5 60
Rawson, J A	27	10	2 00
Rawson, J A	47	5	1 00
Shaw, E H	23 24-ea 10 shs		4 00
Shaw, E H	25	5	1 00
Turner, W J	54	26	5 20
Davenport, A C	91	25	5 00
Davenport, A C	92	13	2 60
Demill, E G	94	12	2 40
Demill, E G	93	25	5 00
Logau, James	97	150	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of July, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 521 Clay street, San Francisco, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

M. G. ELMORE, Secretary.

Office, 521 Clay Street, San Francisco. 7

La Traviata Gold and Silver Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of, July, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 3-4t

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, August 20th, 1864, and the sale thereof is postponed until Saturday, September 3d, 1864. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 7-1

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of May, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company; and that at a meeting of the Board of Trustees of said company, held on the 9th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United States gold coin, to the Secretary of said company, at the office of said company, No. 433 Montgomery street, in the city and county of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

EM. FENARD, Secretary.

Office, No. 433 Montgomery street, in the city and county of San Francisco, 7-4t

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeraldn District, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D D Everts	158	10	$5 00
Sidney Lemon	160	15	7 50
H Montfort,	152	5	2 50
S F Wallace	174	10	5 00
F McConnell	175	10	5 00
Thos Dunn	181	5	2 50
Thos Ounn	182	5	2 50
M F Clayton	178	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rico & Co., No. 327 Montgomery street, San Francisco, on the 31st day of August, 1864, at 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 7

Rose Matilda Mining Company, Charter Oak Mining Company, North Star Mining Company, Diamond Mining Company, Santa Catalina Island, California.

NOTICE.—There are delinquent, upon the following described stock, on account of Assessment levied on the 9th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

ROSE MATILDA MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
J S Butters	1 2 3-ea 10		$3 00
J S Butters	4	50	5 00
J S Butters	5 6-ea 25		5 00
J S Butters	7	6	60
C F Briggs	40	08	6 80
E H Baxter	81 82-ea 10		2 00
E H Baxter	80	6	60
E H Baxter	83	25	2 50
S Boushey	100	30	3 00
P J Barber	104	11	1 10
Jas J Carter	84 85-ea 50		10 00
Wm Chapman	80	50	5 00
D E Dickerson	102	5	50
P C Gayetty	107	6	60
— Hayuca	45	25	2 50
P Ide	76	125	12 50
A Jurgens	115	08	6 80
Sarah A Kent	70	6	60
— Moran	46	25	2 50
J D Nichols	not issued	81	8 10
L F Powell	12	5	50
L F Powell	14	20	2 00
C Rowe	114	68	6 80
Geo Williams	89	15	1 50
C L Place	not issued	136	13 60

CHARTER OAK MINING COMPANY.

J S Butters	1 2 3 4-ea 10		4 00
J S Butters	5 6-ea 25		5 00
J S Butters	7	0	60
C F Briggs	32	48	4 80
E H Baxter	90	4	40
S Boushey	84	20	2 00
P J Barber	88	11	1 10
Jas J Carter	99	100	10 00
Wm Chapman	70	10	1 00
D E Dickerson	86	5	50
P C Gayetty	01	26	2 60
P Ide	61	01	9 10
A Jurgens	100	48	4 80
J D Nichols	25	86	8 60
J D Nichols	not issued	10	1 00
C Rowe	99	48	4 80
Geo Williams	73	15	1 50
C L Place	not issued	90	0 00
J M Page	94	25	2 50
Nancy Hicks	77	50	5 00

NORTH STAR MINING COMPANY.

J S Butters	1 2 3 4-ea 10		4 00
J S Butters	5	50	5 00
J S Butters	6 7-ea 25		5 00
J S Butters	8	4	40
C F Briggs	39	72	7 20
E H Baxter	79	6	60
E H Baxter	80 81-ea 10		2 00
E H Baxter	82	20	2 00
S Boushey	99	30	3 00
P J Barber	100	25	2 50
Jas J Carter	80	100	10 00
Wm Chapman	85 86-ea 10		2 00
P C Gayetty	104	64	6 40
A Jurgens	112	72	7 20
Sarah A Kent	90	6	60
J D Nichols	29	144	14 40
C Rowe	111	72	7 20
Geo Williams	89	15	1 50
C L Place	not issued	144	14 40

DIAMOND MINING COMPANY.

J S Butters	1 2 3-ea 10		3 00
J S Butters	4 5-ea 25		5 00
J S Butters	0	8	80
C F Briggs	29	44	4 40
E H Baxter	61 62-ea 10		2 00
S Boushey	70	20	2 00
P J Barber	77	18	1 80
Jas J Carter	63	100	10 00
P C Gayetty	80	18	1 80
A Jurgens	88	44	4 40
J D Nichols	22	88	8 80
C Rowe	87	44	4 40
Geo Wilhams	66	15	1 50
C L Place	not issued	88	8 80

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. O. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner Pine. 7

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, AUGUST 20, 1864.

VOLUME IX. Number 8.

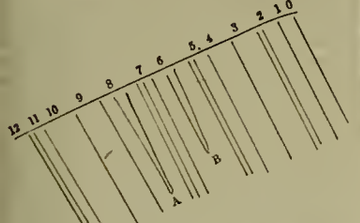
[Written for the Mining and Scientific Press.]

THE MATHEMATICS OF MINING.

NUMBER II.

BY O. W. EASTON.

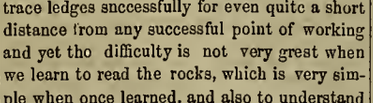
We will introduce at this point an approximate plan of the rocks on the western flank of the Sierra Nevada, in something of their consecutive order, as alluded to in a former number, and which will be still further elucidated in this; for in this fact of the consecutive order of the rocks upon the earth's surface, and their differing character and relations, as is shown by the annexed diagram, lies the apprehension of the science of geognosy, as applied to mining.



The above diagram is intended to represent a section of the western flank of the Sierra Nevada, from the summit toward the valley, exhibiting the consecutive order in which the rocks occur.

0, represents granite, at the summit of the Sierra Nevada mountains; 1, micacious rock—primitive; 2, marble 1500 feet wide; 3, granite from three to five miles wide; 4, talcose slate; 5, marble with copper on its west wall; 6, talcose slate; 7, talcose trap, with gold quartz on its west wall; 8, talcose slate; 9, greenstone trap—a true trap; 10, primitive rock, a species of granite; 11, marble, with copper, on its westerly side; 12 talcose slate. In this way the rocks are arranged all along the mountain side, continuing through various changes to the valley, and if fully portrayed on this plat would reach the gold belt at Clarksville, and still further west, the copper belt of Amador. A and B are fissure veins of gold bearing quartz in the country rock of talcose slate.

In my former number we examined the traps somewhat. We will continue. The belt of gold bearing trap of El Dorado county is a narrow belt of massive talcose trap. Its course N. N. W. and S. S. E. How far it continues I cannot tell, but it is probably very extensive in length. The amount of surface exploration which can be achieved by one pair of eyes and legs sustained by a comparatively "Shakspearean" purse, is limited. This subject is one more fitting a State survey, with a corps of observers in the field. It would be a grand help to mining if we had a geological map of the State, extending along the flank of the Sierra Nevada, with the space ruled into meridians, parallel with the axis of the mountains, say of five or ten miles apart, from the summit to the sea, and also ruled at right angles, checkerboard like, and the rocks across the various intersections of the meridians marked on the map, commencing at the summit with granite and gneiss, and on a direct line to the valley all the geological changes noted. The lines should also show the towns and mining camps through which they passed. Thus, for example, if ten miles south of Georgetown, in El Dorado county, on the Placerville line of exploration, we found the order of rocks we have already partially described, the miner would be able by running out the lines, both northerly and southerly, to find a ready clue to the same rocks, at miles distance from any given point. If then the mineral line passed through Georgetown, and so northward, and if at that point there was to be found the same consecutive order of rocks, then, by apprehending the question of topography, it would be an easy matter to find the same ledge of metal bearing quartz. But if there were a change in the rocks, if the belt of trap which is the key note of the system was missing, it would be a useless expenditure of time and labor to look for the continuation, at that point, of a rich mine, which might be known to exist in a parallel direction miles away. Hence it would be absurd to look in Plumas county or Del Norte for the continuation of the identical copper mines of Calaveras county at Copperopolis, for in the space between we have El Dorado and Placer counties in which the copper is found associated constantly with a marble hanging wall and granite or black talcose slate foot wall; whereas the Copperopolis mines have an amorphous greenstone, talcose trap for their hanging wall, and serpentine, primitive, for a foot wall; so the Newton mine, in Amador, lying between the two counties, El Dorado and Calaveras, in Amador, has a talcose, amorphous greenstone trap for a hanging, and black talcose slate for a foot wall, thus showing that there are many changes in the character of the rocks of the earth's surface in comparatively short distances, unless the traps are not persistent, as is seen in the geology of the section described, and as the metals are directly connected or related with them, as is very evident, then if they change, are not to be found or are different in character and associated with other primitive rocks, it will therefore be impossible to find the belt of metal beyond its own associated rocks. We all know how extremely difficult it is to trace ledges successfully for even quite a short distance from any successful point of working and yet the difficulty is not very great when we learn to read the rocks, which is very simple when once learned, and also to understand topography.



The upper line in the above diagram represents the topography, or surface of the country on the line of the ledge. The lower line represents the actual outline of the quartz in the ground. By this is shown where the ledge is to be found near the surface, and also that it lies deep in the depressions between outcrops.

Let us examine this question of topography somewhat as shown in Fig. 2. It is well known to most miners that the highest point of a hill, which lies on the course of a ledge, is the place at which the ledge will be found nearest the surface, and that exploration should not be conducted in the depressions on the line of the ledge. This simple, uniformly persistent fact is one of the strongest proofs of the volcanic origin of quartz ledges, as it is very evident that "the upthrow of the ledge makes the hills." Another persistent peculiarity is that the ledge will be found at or near the surface, once in about every 1,500 feet for a continued space, and moreover there will be a set of parallel veins which will lie at a quite uniform distance apart from the main vein as in the belt of Amador gold mines and also in the El Dorado gold mines, which crop out alternately; that is the out crop of the spur veins will be in line of the place of greatest depression of the true ledge. See Fig. 3.

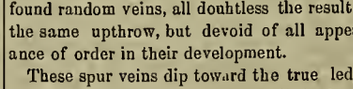


Fig. 3 represents a bird's eye view of the gold bearing ledges of Amador and El Dorado counties. The upper line is the true ledge, A, B, C and D being the outcrop of the chimneys. The lower line is the fissure vein, only 80 feet distant on the west. The chimneys A, B, C and D alternate with those of the true ledge. This same system will be found to apply to the gold mines of El Dorado county. On the east of the upper line are also to be found random veins, all doubtless the result of the same upthrow, but devoid of all appearance of order in their development.

These spur veins dip toward the true ledge from which they came, and yet it is by no means certain that they really join that ledge, but at the bottom are rather scattered, and split up and lost among the slates. If a ledge of gold, silver or copper lies in the same character of rock on both its sides, it is evidence that it is a fissure or spur vein, and is not to be depended on to yield continuously. It will not answer to run tunnels at a great depth in the hope of striking the lodge for the chances are that the ledges do not extend to any great depth downward, but are superficial. Still such ledges oftentimes pay better than the true ledge, for a while, and then suddenly fail, being lenticular in their character, running out in length and depth. Amador county is one of the finest gold mining counties in the State, yet because of this system which obtains there, and the difficulty of finding the true ledge, which is so precarious, mining there has resulted in very many disastrous failures, and a few brilliant successes.

In copper mining the same principle will be found to hold true. The outcrop of copper is iron in slate, usually, when it is in a talcose slate district, and is called by the Germans the "Iron-hat." Excepting with peacock ore which lies in quartz and has no iron outcrop, the other sulphuret copper ores have an oxyd of iron outcrop, called "gossan," and when found in primitive rocks on both sides, will be the outcrop, of copper in limited quantities and not a true vein, but when associated with a trap rock hanging wall, the ledge will be found permanent and the copper will be reached when a shaft is sunk *in* the gossan, near the hanging wall, in about 50 feet.

This opinion is entertained that the Copperopolis belt of copper is very wide, 40 miles or more, extending north and south the whole length of the State. Some of the facts pertaining to copper mining, as already given, seem to conflict with this theory. I can only say that all theories and speculations must recognize and be based upon existing facts. One fact is very patent to any one who has visited and studied Copperopolis mining, and that is, that prospectors for the great copper ledge supposed to exist to the north of the Keystone mine have thus far—I think I am not mistaken—failed to find it, and for miles north, on the supposed range, the surface of the country is full of unsuccessful prospecting holes, and in two cases steam works are in operation, and I think unsuccessfully, as they doubtless are too far east—are on the east side of the green-stone trap hanging wall, and hence they cannot find it, of course, because nature has placed it elsewhere. Such is the correct literal statement of fact with regard to the search for the northerly continuation of the Newton mine. As yet they have not found it; and the very first shaft sunk on the northerly location was 150 feet or more too far east, and hundreds of feet too far south, simply because in the former they did not recognize the trap hanging wall and in the latter they did not apprehend topography, or in other words the outline of the surface as the effect of the upthrow of the ledge. In my next I will describe somewhat the silver mines of Washoe.

VIEW OF THE PAVILION.—The view of the Mechanics' Pavilion, the structure in which the approaching Fair is to be held, is in the hands of the artist, and in a forward state of completion. It will be ready for delivery by the last of the coming week, and will constitute one of the finest specimens of the lithographic art which has ever been produced in this city. It is being drawn on stone by Mr. Geo. H. Baker, and will be published by the proprietors of the MINING AND SCIENTIFIC PRESS.

AGRICULTURE IN REESE RIVER.—Reese River bids fair to become quite productive in agriculture. There is no reason why such should not be the fact. The climate is very similar to that at Salt Lake, where agriculture is on a par with almost any portion of the globe. Quite a number of gardens have been cultivated with good success the past season in the vicinity of Austin. We notice from the *Reveille* that green corn has recently been selling freely in the streets of Austin. There need be no lack of garden vegetables where corn can be raised.

ARCHITECTURAL.—The Ellemada Tunnel Co., at Reese River, is of an architectural turn of mind, and so names its ledges Tuscan, Ionic, Doric, etc.

BOGUS GOLD DUST.—It is said that scarcely a parcel of Boise gold dust reaches the Dalles, that is not "doctored." The dealers in the article have immense trouble with the swindlers.

GUN COTTON IN MINING.

Gun cotton as a substitute for gunpowder occupied the attention of the scientific world for some time after its discovery. The early experimentors found such a want of uniformity in its character and so much danger in its use that most of them abandoned the attempt. For fifteen years past, however, Baron Von Leuk has been experimenting in Austria, both in its manufacture and also—at first on his own account and afterwards on a larger scale by government aid. From the lengthy report upon Austrian gun cotton, of Mr. J. Scott Russel, to the British Association of 1863, we gather the following facts. "The great waste of force in gunpowder constitutes an important difference between it and gun cotton in which there is *no* waste. The waste in gunpowder is sixty eight per cent. of its own weight; and only thirty-two per cent. is useful." The waste is expelled from a gun unconsumed. "Bat gun cotton can be exploded in any quantity, instantaneously. This was once considered its great fault. Baron Von Leuk has discovered the means of giving gun cotton any velocity of explosion that is required by merely the mechanical arrangements under which it is used. In his hands it has any speed of explosion, from one foot per second, to one foot in one one-thousandth of a second, or instantaneously. The instantaneous explosion is made use of when it is required to produce destructive effects on the surrounding material.

The form used for blasting, is gun cotton thread spun into ropes up to two inches in diameter, and hollow in the center. It combines great density in the speedy explosion. As regards mining uses, the fact that the action of gun cotton is violent and rapid, in exact proportion to the resistance it encounters, tells the story of its far higher efficacy in mining than gunpowder. The stronger the rock the less gun cotton, comparatively with gun powder, is necessary for the effect; so much so that while gun cotton is stronger than gunpowder as three to one in artillery, it is stronger in the proportion of 6.274 to one in a strong solid rock, weight for weight." (Later authorities say more than eight to one compared with gunpowder.) "Its power of splitting up the material is regulated exactly as wished"—by causing the same amount of gun cotton to occupy a larger or smaller amount of space.

To blow up the gates of a city, a very few pounds of gun cotton, carried in the hands of a single man will be sufficient; only he must know its nature. In a bag it is harmless—exploded in a box it will shatter the gate to atoms. Against the palisades of a fortification a small box containing twenty-five pounds merely flung down close to it will open a passage for troops. In actual experience, on palisades, a foot in diameter and eight feet high, piled in the ground, backed by a second row of eight inches in diameter, a box of twenty-five pounds cut a clear opening nine feet wide. To this three times the weight of gunpowder produced no effect whatever except to blacken the piles. Against bridges: a strong bridge of oak, twenty-four feet span, was shattered to atoms by a box of twenty-five pounds, laid on its center. The bridge was not broken; it was shivered. As to its effects under water: in the case of two tiers of piles, in water thirteen feet deep, ten inches apart, with stones between them, a barrel of one hundred pounds of gun cotton, placed three feet from the face and eight feet under water, made a clean sweep through a radius of fifteen feet, and raised the water two hundred feet! In Venice a barrel of four hundred pounds placed near a sloop in ten feet water, at eightsen feet distance, threw it, in atoms, to a hight of four hundred feet. All the experiments made by the Austrian Artillery Committee were conducted on a grand scale, as were also the trials for blasting and mining purposes made by the Imperial Engineers' Committee."

If by the substitution of gun cotton for gunpowder in blasting in our mines, drill holes one-third the size or one-third the number now used will do the same work, its introduction would assuredly be one of the greatest improvements in mining. That it will do this its advocates assert. Of the objections to and advantages of its manufacture and use we shall speak in our next issue quoting from the report of another member of the same committee.

That "Masonic Baptism."

Some three months since, a morning paper announced a "Masonic Baptism" as having taken place the evening previous in one of the Masonic lodges of this city. Several papers enquired what a "Masonic Baptism" was, and among others the *Evangel*, the Baptist paper of this city, made very particular enquiry. No paper on this Coast thought it worth while to notice the query, or perhaps none was able to answer; but a writer on the Atlantic side, noticing the item which was copied into the Eastern papers, sent to the *N. Y. Chronicle* the following communication, which gives in full the information desired:—

To the Editor of the *Chronicle*:—In your issue of the 9th inst., there appeared an article from a California paper, giving an account of a *masonic baptism*, which you very properly characterized as extraordinary, and requiring explanation.

Will you allow me space to say that the word "baptism" is not used in its literal sense as describing a religious ceremony, but in the figurative one, as when we say of a regiment, that it has been *baptized* in fire, or "Revolutions are the *baptism* of tears and blood." The ceremony has not the slightest resemblance to that used by various denominations of Christians, by immersion or sprinkling, no water being used, but is simply the formal adoption of the son of a mason by the Lodge to which the father belongs. The word baptism has been a most unfortunate selection, because in its general acceptation it wounds the susceptibilities of a large portion of the Christian world, and it would have been better for all concerned if the proper word—adoption—had been put in its place. The ceremony, like many other foolish things, originated in France, and has no more connection with free masonry than the late Bishop Hughes had with the church to which you belong. It can never take root in this country, for we look upon masonry as too serious to be made the plaything of children, even those of larger growth, and our inculcations expressly forbid even the discussion of topics calculated to interfere with the religious convictions of any one.

Fraternally,
JOHN. W. SIMONS,
Past Grand Master.

LO, THE POOR EDITOR!—It is said that the tables of mortality show that the lives of editors are comparatively short. The exacting toil which the editor pursues, rarely broken by seasons of relaxations, shatters his nerves and exhausts his vital energies. When other men sleep, he is at work in close room, surrounded by the stifling odors of damp newspapers, and his constitution must be adamant if he does not break down before he sees fifty years. Nothing but great success, and ability to lighten his toil by employing assistants will save him from this irresistible doom. True, there are occasional exceptions in some newspapers, whose editors consult their own ease more than they do the wants of their readers, but no editor who possesses the ambition to be up with the times can expect to live out the full measure of his days. And yet, notwithstanding the labor, the toil, the anxiety of the editor, and his constant efforts to please, his patrons often find fault with him for some unlucky word, or for expressing his honest opinions upon some subject which does not meet the taste of petulent readers. Such is human nature. So many and so various are the characteristics of men with whom he is thrown in contact, that no editor can escape being the subject of fault-finding. He learns to expect it, and takes it philosophically when it comes, although some men seem to imagine that he can easily be annihilated by the breath of their nostrils—by the mere expression of their dissent to his independence, and the words, "stop my paper." But they find him taking the matter with the utmost indifference, as nothing but the most ordinary transaction in the world, and keeping on his course the same as before. Irate patrons would not be astonished at this, if they know how "used to it" the editor has become.

NEW SILVER DISTRICT.—A correspondent of the San Andreas *Register* says some citizens of Murphys have lately discovered silver mines of great promise on the head of the west fork of Walker's river, directly south of Silver King district, some twenty or thirty miles from Silver Mountain.

Practical Instruction.

In that most admirable report of Agassiz in relation to the museum of comparative zoology, the great naturalist gives an interesting sketch of his method of training young men to the pursuit of natural history. He puts them at work among the specimens themselves, studying facts, tracing analogies, developing differences and mastering principles; for says he, "I have satisfied myself long ago that the general and most elementary principles of one science are better understood when illustrated from nature than when explained in a mere abstract manner. To me there is a world of wisdom in that remark.

The divorce between text book instruction and particular knowledge is one of the great curses of American education. We know accomplished divines who cannot tell the differences between a chestnut and an oak. We have seen more than one excellent Greek scholar who was incapable of distinguishing between a field of growing wheat and one of rye. A large portion of our college graduates are ready to confound iron pyrites with specimens of gold ore; and we have known numbers who have made capital recitation in chemistry during their collegiate course, who never really learned, are now in entire practical ignorance of the appearance, characteristics, and uses of the simplest chemicals. We have seen more than one young man who, after twelve years' good schooling, and under accomplished teachers at that, could not draw an ordinary note of hand or calculate a simple sum at interest.

It is this ignorance of every day things which makes our scholars the sport of your rough business men. They get plundered in the market and cheated in the store. They are taken advantage of by their grocer, and imposed upon by their butcher. Conscious of their ignorance of what many a wide-a-wake eight year old is familiar with, they shrink from coming in contact with men in business ways, and go through life one-sided. We do not believe it would hurt a statesman to know how to sew on a button or handle a hammer. We are sure that no divine will be worse for being familiar with the secrets of the kitchen and the pantry; and we are quite certain it does not hart an editor to be a judge of flour or of good beef. Ours is a practical people, and we need a more thorough every-day education of our young men and young women. The highest society is the most thoroughly self-helping. It is compatible with the highest culture to be able to wait on one's self. For ourselves, we would as soon be handed over to the executioner as be dogged by a valet. But in order to free men from imposition and fit them for every-day duties they must be trained to them in their youth. A child will learn by observation and by touch a thousand things in his early years without effort, which it would take weeks of hard labor to secure at a later period. We coop our children too much in school-rooms. They waste too many precious hours over tasks that, dwadling over them as they do, do the mind more harm than good. They should be surrounded more with objects and less by text-books; taught sizes, forms, qualities, colors, actual contact rather than hard labor to acquire abstract descriptions. We hope some day too see a radical reform in the methods of teaching, and to see children practically inducted into the secrets of nature, and acquiring by actual observation and experiment an amount of valuable knowledge which no mere study of text-books can possibly bestow.—*Washington Chronicle.*

MORTALITY IN HOSPITALS.—The destructiveness of war is horrible enough under the most favorable view that can be taken of its ravages. Its fatality, however, is often exaggerated, and many have visions of the hospitals, as if they were places haunted every hour by death. But this, for the most part, is not true. For instance, in nine hospitals, six in Baltimore and three in Annapolis, having in the aggregate nearly five thousand patients, there was during an entire week only one death. Undoubtedly this was an exceptional week. But even allowing a much larger percentage, the fatal cases would not exceed those among the same number of people in any community. Leaving out of the account the severely wounded, the result from time to time of terrible battles, it may be assumed, we believe, that the chances of recovering in the military hospitals are as great if not greater than anywhere else. It is the concentration of disease that gives rise to the erroneous popular impression in regard to the excess of mortality in these institutions.

WELL PAID LABOR.—A gentlemen just down from Owyhee, whose statements may be relied upon, informs the Dalles *Mountaineer* that the regular wages paid men for working in quartz claims is $7 per day; a large number of hands are employed at this figure, and a still larger number could find employment. Truly the Northern country may be said to be the workingmen's paradise.

Purification of Gold.

At a meeting of the Chemical Society in London, some three years since, an interesting paper was read, on deteriorated gold, by Mr. M. Warrington. He found that a large quantity of gold sent from the Bank of England was singularly deficient in ductility; it was so "rotten" that it could not be rolled or subjected to the usual process of coining. He found by analysis that the specimen contained 92 per cent. of gold, 4 per cent. of silver, and 2 per cent of tin, and a small proportion of antimony. The presence of this latter metal was supposed to be the cause of the alteration in the usual mechanical character of the gold, and it was no easy matter to extract it economically without loss of the precious metal. After several experiments Mr. Warrington found that oxide of copper when melted with the gold, in the proportion of about ten per cent., removed the antimony; the copper parting with its oxide to the antimony, which then rose to the surface as a powder, and could be cleared off. When, however, this process was attempted on a large scale by the metallurgist at the mint, it was not found to answer, and Mr. Warrington was again applied to. The gold had been melted in the usual black lead or plumbago crucibles, the carbon of which had combined with the oxygen, and thus prevented the proper action of the oxyd of copper on the antimony present. On the substitution of clay crucibles for those of black lead, the process was found to be very efficacious, and the difficulty was removed. Mr. Warrington having observed in the course of his paper that there was difficulty in accounting for the presence of the antimony, another member stated that when at the Australian gold fields, he noticed large quantities of almost pure antimony in veins close to the quartz from whence the gold was obtained, therefore there could be but little doubt how the gold became deteriorated. In papers read by other members of the society, they stated, as result of experiments on a large scale, that gold is to a certain extent volatilized during the progress of cupellation, a small proportion of the metal having been found deposited in the flues of the furnace; and that gold is also in a slight degree soluble in pure nitric or nitrous acids. In the course of the discussion, after the reading of these papers, one gentlemen mentioned that he was in Australia soon after the introduction of the quartz-crushing machines, when he observed great difference in the amount of the produce of the amalgamated gold on different days; and on examining the "tailings," or refuse of the mill, he perceived a quantity of gold had passed through without amalgamating with the quicksilver. This led him at once to suspect that the surface of the gold was covered with some noctuous substance that obstructed its combination with the mercury, and on treating it with an alkali, he found that the metals readily combined. He consequently recommended the mixture of wood ashes with the powdered quartz, by which means the daily product of gold has been equalized, and in some instances greatly increased. On afterwards subjecting the tailings to the same process, more gold was extracted from the refuse than had been obtained when the powdered quartz was first operated on.

RELIGIOUS ATTITUDE OF THE AGE.—On the other hand, there is an evil side to the religious attitude of the age. It is the disposition to accept as a finality that condition of hesitation and uncertainty which in the nature of things should be one of transition. There is an unavowed feeling current through the higher minds of the age, that a definite Faith is an unattainable good; that the larger a man's mind, and the broader his grasp of the great facts of life, so much the more cloudy must be his creed, so much the feebler must glimmer for him the ray of Light Divine whereby earth's pathways are cheered for humbler souls. It is not merely that men do not now hope to reduce all the awful mysteries of theology to half a page of formularies. It is not merely that they have ceased to look for celestial manna of infallible doctrines, rained down by Book or Church, for mortals to gather up and be fed. They no longer hope to have any theology at all. They no longer look with filial confidence to the Father of Spirits for that bread of life without which our souls must faint and perish. Here is the real weak point of faith, properly so-called; not the faith in books or churches, but in the ultimate intuitions of human nature; those intuitions which tell us that the Creator cannot leave unsatisfied the greatest want of his noblest creature, while He openeth His hand and fulfilleth the desire of bird and brute; those intuitions which tell us that all which has glorified and hallowed the past, which has exalted man into the martyr, and purified him into the saint—the religion which has been the source of everything most beautiful and everything most holy, cannot be a dream and a mistake.—*Fraser's Magazine.*

ON the night of August 6th, an attempt was made to burn Summit City, in Alpine county, by setting fire to Casy's private boarding house.

Passing Under a Cloud.

The Pacific coast is passing through a panic of extreme severity. Business stagnates, stocks sink in value, people despair. What does it all mean? Whither does it tend? What is to be the result? The answer is simple. The war has not caused it, for those States which lie nearest to the seat of war exhibit a material prosperity and vigor such as has not been witnessed since the opening of the rebellion. The cause is local, to be sought for at home; to be explained by the conduct of our own people. The prosperity of the Pacific States depends largely upon the wealth of our mineral products. To destroy these would be very much like laying the axe at the root of the tree. Has this been done? Has the dreadful truth been made known that our mines are a sham, that our silver and gold are no more? God forbid! In every community will always be found a class of men who make it their business, by apparently honorable means, to obtain a living out of the credulity and greed of their fellows. Men of this class swarm in the Bay city, overflow the precincts of Montgomery street, and elbow you in the Brokers' Board. They are mostly men without means, and with but little more principle. Ingenuity, device, deceit, are their weapons. Their wallets are stuffed with mining certificates, they carry with them a little cabinet of specimens. Here is a specimen of ore taken hap-hazard, here is so much stock in the mine—you cannot make a better investment. The assessments will be light, if any; the mine will soon pay its way, and then your fortune is made. Now it is undeniable that hundreds of mines are incorporated by these people which have scarcely any existence, and often not even a locality. Any lithographer will furnish the certificates, and the specimens are readily obtained from bona fide mines, or carefully selected from paying ore. The principle is not a new one. You may find it more or less existing in all the industries of life. In the present instance it has been pursued with a vengeance. Thousands have been invested by the unsuspecting, whose minds have been captivated with the idea of rapidly accumulating fortunes, till at last the thing has run itself out. The blindness could not continue. The people found they had been imposed upon. Confidence was destroyed, and in consequence the whole fabric of our mining system is brought low. The good suffers with the bad, for men have no means of discerning the one from the other. They say if the Big Elephant be a lie, why may not the Gould & Curry and the Ophir be the same? And now we are lying for the time being helpless beneath the incubus of want of public faith. And yet, what is the fact? Have these dishonest men the Alladdin's lamp by which they can transmute the gold and silver veins of these mountains into dross? Will our shafts refuse to send up their hars of precious metal at their beck? Let any man fix a steady gaze upon this panic fear, and it will vanish like night before the sun. It is too unreal to have a continued existence. For, in truth, the the metallic formations of our present and future prosperity lie deep and firm all around us. We do not yet know the half of their secret. What we should do is what every honest miner does, who is by his own hard toil working out his own independence. We should frown upon these worthless, unprincipled men who are discounting honest labor, and casting suspicion upon these matchless mines, in their unworthy efforts to climb to wealth. And this can be easily done. Most men can readily acquaint themselves with the true prospects of a mining claim, and if this cannot absolutely be done they can at least exercise the same judgment they would exhibit in any other investment, and, first of all, be sure of the character of the agent with whom they deal. In fine, there is no legitimate cause for the present lack of confidence in our mineral treasures; the fog is even now thinning away, and before fall, the Reese River district, at least, will be sending substantial arguments from its door which shall convince the world of her stability, and, by inference, of the wealth of this whole vast section of the country.—*Reese River Reveille.*

Poverty a Relative Term.—Bulwer says that poverty is only an idea, in nine cases out of ten. Some men with ten thousand dollars a year suffer more for want of means, than others with three hundred. The reason is, the richer man has artificial wants. His income is ten thousand, and by habit he spends twelve or fifteen thousand, and suffers enough from being dunned for unpaid debts to kill a sensitive man. A man who earns a dollar a day, and does not run in debt, is the happiest of the two. Very few people who have never been rich will believe this, but it is as true as God's word. There are people, of course, who are wealthy, and who enjoy their wealth; but there are thousands upon thousands, with princely incomes, who never know a moment's peace because they live above their means. There is really more happiness in the world among working people, than among those who are called rich.

The Close of the Week.

These Saturday nights are the world's most genial half-way houses; the arbor with its welcome shade of the summer time; the old-fashioned fire-place, with blazing logs, of a winter's night that is windy and stormy and lonely; the place to stop at and be at rest; to court at and be happy in, shutting up the business of the week like a safe or a book with the addition of a lock and key. Heaven pity those who have no home to go to of a Saturday night—no place to lounge in, comforted by the thought that on the morrow they may be their own property, in spite of their employers and in spite of their own ledgers. Home, just thou. is heaven, almost; it is the concentrated genius of all that poets and painters, with pen and brush, have said about it, bearing in mind the sweet song of poor Payne, and not forgetting the pity for him which should show itself at such a time because he never had a home. Eternity's ages are shorter than the weeks of time; gray hairs should almost follow the setting of a Saturday night's sun, remembering the work of the week and its bearing upon our after life. Time moves on, but after death there is no time; God only can comprehend the space of the great hereafter. And so, as we mark these great weeks by almanac and clock, we are living centuries; our work of a week, trivial and great, sends its influence, for or against, through all the centuries which will not be recorded. May it be so with us all, that after the brief candle of our existence has gone down in the socket of the grave, we may rise from this last Saturday night to that better life which is a never ending Sabbath, a rest perpetual, and a happiness so great that the whole world cannot hold it.

Be What you Dare.—I tell you you may be mentally as great as you please. If you are not, it is your own fault. Do not say you have no genius for this branch of study, or for that branch. I tell you that you have a genius for any branch of knowledge if you only *will* to have it.

If there is any science you would like to master, no matter what that science be, and you should feel discouraged because of the difficulties which appear to start in the way, then remember that others, with more difficulties than you can possibly labor under, have mastered that very science. And why may not you? I tell you again, you may be mentally as great as you please. You *have* the ability. Begin, therefore, this very day, use what means you have just now for the accomplishment of your noble purpose. More means and opportunities will open up afterwards in ways of which at present you have no idea.

I would have every young man and woman, yes, and every child, form, from this moment, a firm and ardent belief, that you may rise to eminence in any science, in the study of which you have a desire to engage. It is a promise given mentally to the whole human race, that you may be what you dare to be; therefore, dare to be eminent in that branch of study on which your heart may be set.

The Specific Contract Law Sustained.—The gratifying announcement has been made during the past week, of a decision by the Supreme Court of California, sustaining the validity of the Specific Contract Laws of the State. The decision was made upon the agreed case carried up from this city on appeal, and settles the matter fully so far as the Courts of this State are concerned.

Whaling in the Bay of Monterey.—The schooner Caroline E. Foote arrived at Santa Cruz, on Tuesday of last week, having succeeded in capturing five humpback whales during the last fortnight. The whaling business on this Coast, especially in and about the Bay of Monterey, is assuming quite an importance, and is proving very profitable to those engaged in it.

About the Army.—The resignation of Major General Fremont promotes General Butler to the third in rank of Major Generals, going by date of commission. It also leaves a vacancy in the regular army, which will probably be filled by the appointment of General Sherman. The resignation of General Buell also leaves a vacancy in the volunteer service, which will be filled by some worthy soldier. In the regular army, McClellan is the senior, Major General Halleck the second, Butler the third.

The new placer gold diggings lately discovered at the headwaters of the San Joaquin are exceedingly limited. The best claims pay from six to eight dollars per day.

The four companies at Fort Churchill, N. T., are ordered to leave for Camp Douglas, Utah Territory.

Milling in Washoe and Reese River.

We often hear it remarked that were our mills as capable of working ores as are those of Virginia and Gold Hill, we would be in a much more prosperous condition. We think that such a comparison does our millmen great injustice. The mills of that section are far more numerous, contain a great many more stamps and pans, have far greater power, and of course are capable of doing a vast deal more work than the mills of Austin. That they are capable of doing better work than our mills, we do not believe, and know that as a rule they do not do near as well. The rock furnished the mills of Washoe is of poor quality but immense in quantity, and it is therefore necessary to work it rapidly and cheaply. Valuable ore, such as is raised at Austin, is not attempted to be worked in Virginia, but is usually sent to San Francisco and Europe. We see it stated that one of the principal mills has contracted to crush one thousand tons of rock and return 65 per cent. of the assay value, less $20 per ton. Should the ore taken out be worth $100 per ton, the return would be $15, or for rock worth $50, the return would be $12.50. This is probably a fair sample of the working of the ores in Virginia, and the prices asked. Such returns for large quantities of poor ore are very good, and without doubt satisfactory; but such returns would not satisfy the miners of Austin, and they are besides willing to pay much higher rates for much better work.

The ore from the Esther claim, assayed value upwards of $1,700 per ton, was worked at the Pioneer mill at a cost of $100 per ton, and to within fourteen per cent. of the assay; the return being about $1,400, while at the Washoe rates it would have been but a little over $1,000. The mills of this city are willing to contract to work ore to within twenty-five per cent of the assay of the rock, and of course must charge higher prices than where the rock is of less value and worked with less care.

More than all, that our mills should not be rated less capable than those of Virginia, is that the managers of them are graduates of that school, know all their ways of working, and have made many improvements thereto. We do not contend that our mill men are perfect in their art; some we think are very deficient, but in general, we believe that their varied experience has given them a better knowledge of the means and mode required for successfully reducing rich ores than any of the same class on the Pacific Coast, outside of the most scientific establishments of San Francisco.—*Reese River Reveille.*

Cabinet of Minerals.—Mr. Shannon, of the firm of Shannon & Thornton, says the Reese River *Reveille*, is making a collection of choice specimens from our most prominent mines. When completed, the cabinet will be presented to the Mercantile Library of San Francisco, where it will constitute a perpetual exhibition of the wealth of Reese River. The owners of mines, in assisting Mr. Shannon in the formation of his cabinet, will have a fine opportunity of advertising their claims in a most conspicuous and desirable place.

The San Francisco Business Directory and Mercantile Guide, published by B. F. Stillwell & Co., is a neatly printed and bound work of 384 pages, containing the advertisements of many of our enterprising business men, interspersed with original and selected reading matter containing local and original information. A large edition has been printed and gratuitously furnished to all hotels, steamboats, literary societies, etc.

Increasing their Capital.—The Cinco Señores Gold and Silver Mining Company have filed, in the office of the County Clerk, their certificate for the increase of their capital stock from $500,000, to $1,000,000; which will also increase the number of shares from twenty-five hundred, to five thousand, being each of the value of $200.

Two More Rival Water Companies, one called the Clear Lake Water Company, and the other to be known as the Lake Merced Water Company, have filed papers of incorporation during the past week. There seems to be no danger but that our city will continue to be supplied with pure water, and at cheap rates.

Women possess as much intellect as men, but their tenderness and modesty unfit them for the duties of a public life.

A curious specimen in the shape of a three legged chicken, was recently brought to life on a ranch near Monterey.

Impurities in the Atmosphere.

Some curious facts have lately been developed in reference to the impurities floating in the atmosphere. Mr J. Samuelson has been investigating the traces of animal life in the dust of the air, and gives the following as part of the result of his observation:

"He had taken rags imported from various countries, and shaken the dust from them into distilled water, which he then exposed to the atmosphere; and after describing generally the character of the living forms he had discovered in this pure water, he stated in detail the forms of life found in each kind of dust, and among them were some new species of rhizopoda and infusoria, and an interesting ciliated, worm-shaped form, which he believed to be a collection of the larvæ of some other infusoria. The general result of the microscopical examination of these fluids was as follows: In the dust of Egypt, Japan, Melbourne, and Trieste, life was the most abundant, and the development of the different forms was rapid.

In conclusion, he observed that if he was correct in supposing the germs of the living forms that he had described to be present in the dust conveyed by the atmosphere, and in distilled water, it was worthy of notice that these germs retain vitality for a long period, of which he could not pretend to define the limit. In his experiments they outlived the heat of a tropical sun and the dryness of a warm room during the whole Winter; but in Dr. Pouchet's case they retained their life 2000 years, for he obtained his from the interior of the pyramids of Egypt, and they survived an ordeal of 400 deg. of heat. He suggested whether the great rapidity with which these germs are multiplied might not account for the spread of epidemic diseases. He did not profess to have any acquaintance with such diseases; but might it not be desirable to subject the atmosphere of hospitals to the microscopic test?"

Professor Wyman, of Cambridge, has published an account of other kinds of bodies which he found in the dust floating in, or deposited from the atmosphere:

"The dust was obtained either from the floor of an unoccupied attic, or from plates of glass covered with glycerine and exposed to currents of air. The organic matter detected by the aid of the microscope consisted of various minute fragments of vegetable tissues, such as woody-tissue, spiral-ducts, hairs, pollen, etc. A few starch granules, resembling those of wheat, and giving the usual reaction with iodine, were occasionally found.

In a dust from an attic over a frequently occupied college recitation room, human cuticle and epithelium scales from the mouth were detected. The lecture-room and attic communicated freely by a ventilator. There were also found, less frequently, however, various spherical bodies; some of them spores of cryptogamous plants, and others resembling the eggs of some of the smaller invertebrate animals. Professor Wyman was unable to identify the bodies in question, except that in one instance he detected the spores of a confervoid plant. As these were found before the conferva were beginning to be developed, it is probable that they came from plants of the preceding year, and had been carried about by the winds after the drying up of the stagnant pools, in the latter part of Summer or Autumn. Some of the egg-like bodies appeared to contain an embryo, which could not be referred to any particular species.

One of the spores detected was especially interesting from its resemblance to pus and mucous corpuscules; so close was the resemblance that one might be readily mistaken for the other. The fact is important, when considered in connection with the recent attempts made in Germany to establish the presence of pus in the atmosphere, and in this manner explain the transmission of certain forms of disease. The existence in the atmosphere of a large number of spores of cryptogamia, gives a probable explanation of the transmission of certain of the algæ and fungi, which infest the bodies of men and animals."

A Beautiful Thought.—A writer whose life has passed its meridian, thus discourses upon the flight of time:

"Forty years once seemed a long and weary pilgrimage to make. It now seems but a step. And yet along the way are broken shrines, where a thousand hopes have wasted to ashes; foot-prints sacred under their drifting dust, green mounds where the grass is fresh with the watering of tears; shadows even which we would not forget. We will garner the sunshine of those years, and with chastened step and hopes, push on toward the eve.

Recent advices received at the State Department contain the important announcement that upwards of ten thousand Swiss emigrants now await passage to the United States at Havre and other European ports.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, August 20th, 1864.

A much better feeling has pervaded the share market this week, and nearly all prominent stocks were actively dealt in. A number of speculative shares were buoyant at enhanced rates and are still in favor. An impression prevails among many dealers that a turning point has at last been reached, and that prices will continue to improve. Productive claims, with scarce an exception, are all thought to be more promising than for some time past, and their increasing yield of Bullion, together with more economical and judicious management than heretofore will not only tend to restore confidence, but materially stimulate the market and revive speculation. The decision of the Supreme Court affirming the binding force and validity of our Specific Contract Law, has given greater ease to the money market, and some important loans were made this week based upon mining stock collaterals.

Gould & Curry opened at $1,400 on Saturday last, rose to $1,500, receded to $1,450, advanced to $1,510, fell to $1,460, rallied to $1,560, then dropped to $1,400, seller 30, again rose to $1,460, declined to $1,360, sellers option, and closed last evening at $1,460; 99 feet have changed hands within this range. Advices from the mine are favorable, and there would appear to be no change in the character of the body of ore found in the drifts from the lower shaft. The prospecting shaft is now down 105 feet and will be sunk 400 feet deeper as soon as practicable.

Savage continued to improve early in the week and was in decided request, advancing from $1,190 to $1,400, sellers option 30 days, receding to $1,300 and held last evening $1,275; 20 feet were sold at these rates. The receipts of Bullion from this mine have been heavy so far this month and exceed $110,000. The quantity of good ore daily sent to the different mills for reduction is larger than ever before.

Potosi rose from $775 to $900, and was sold yesterday at $875. Judge North has removed the restraining order issued against this Company at the instance of the Bajazet, and active operations have been resumed. The order of injunction against the Bajazet has also been dissolved, and the Company are at work again at a point some 150 feet above the lower working level of the Potosi mine.

Belcher has been inactive at about $850 to $875. This Company are drifting north and southwest of their ledge, at a depth of 350 feet, and they will soon cross-cut and breast out which will enable them to remove a large body of fine ore. The pay vein at this depth is 15 feet in width.

Chollar has materially improved and large sales were made, advancing from $375 to $525, buyer 30, receding to $500, and closing at $500; 106 feet changed hands. In drifting to the southwest from the 4th level a vein of fine ore six feet in width has been reached, which promises to reveal another chimney of pay mineral in this mine. This new deposit improves as the drift extends, and is located about 40 feet north of the "burnt croppings" and 100 feet west of the west line of the Potosi Company. In the 4th level work is energetically progressing, and a number of mills are constantly employed in crushing ore hoisted from this portion of the claim.

Ophir has been very largely dealt in at fluctuating rates, receding from $520 to $500, advancing to $570, dropping to $500, then rallying to $540, again declining to $515 and $500 and selling at the close at $475. 58 feet have changed hands at these rates. Recent developments are said to be somewhat encouraging and the prospects of the Company are regarded with rather more favor.

Yellow Jacket was sold at $450. Empire Mill and Mining Company is offered at $550 and Sides at $175. Uncle Sam was moderately dealt in at $210, but is now not offered under $250.

Hale & Norcross was sold at $300. This Company have drifted from their 545 feet level a distance of 50 feet and momentarily expect to reach the lode at this point. The clay wall has been penetrated in drifting from the 500 feet level above.

Imperial is in rather less favor and has declined from $133 to $125 seller 30, closing at $130 asked—155 shares were sold. Receipts of Bullion from this mine continue large.

Burning Moscow has been in request and rose steadily from $14½ to $20—117 shares changing hands. A small force is regularly employed in developing this claim.

North Potosi was exceedingly active at fluctuating rates—opening at $40, advancing to $60, receding to $55, again rallying to $62, then dropping to $50, selling yesterday morning at $55 and closing at the afternoon Board at $35. Up to the present hour no decision has been made by the Referee in the case of the Gould & Curry vs. this Company.

Wide West has continued in request and 468 shares were dealt in, advancing from $25 to $20, declining to $17, rallying to $19½, then receding to $15, selling yesterday at $19 and closing at $18. A recent crushing of ore is said to have yielded $65 per ton.

Lady Bryan steadily declined from $3¾ to $1½ and sold yesterday at $4¾—an assessment of $3 delinquent. 805 shares have changed hands.

Melones fell from $17 to $13½ and then rose to $17. Experiments are being made in this city with a quantity of ore thought to be valuable.

Sheba suddenly fell upon the announcement of an assessment, to $6, but has since risen to $20. The Company's 20 stamp mill will soon be at work. 1,000 tons of second class ore, assaying $100 to $350, are now on hand at the mine—12½ tons of first class ore were forwarded to Europe last week worth over $1,000 per ton. The recent assessment of $20 per foot reduces the indebtedness of the Company to about $14,000.

Baltic has risen from $10 to $13; Nevada (J. G.) was sold at $9; Golden Age & Empire at $7; Seneca at $12; Bajazet at $15 and Real Del Monte declined from $17½ to 14½.

Spring Valley Water Company was sold at 36 per cent. on amount paid in. San Francisco Gas was dealt in at $85, and State Telegraph at $33.

The aggregate sales of stock since Saturday last amount to $322,479.25.

Sales of Mining Shares

For the week previous to Saturday, Aug. 20.

By the San Francisco Stock and Exchange Board.

Saturday, August 13, 1864.

4 shs Hale & Norcross at $300 per foot.
2 shs Potosi at 800 per foot.
4 shs Potosi at 775 per foot.
6 shs Gould & Curry at 1400 per foot.
8 shs Gould & Curry at 1400 per foot, r w.
4 shs Gould & Curry at 1425 per foot, r w.
8 shs Gould & Curry at 1425 per foot, s 5.
20 shs Imperial at 152½ per share.
10 shs Imperial at 132½ per share, s 30.
10 shs Imperial st 133 per share.
60 shs Lady Bryan at 3¾ per share.
20 shs Lady Bryan at 3¾ per share, s 10.
10 shs Lady Bryan at 3¾ per share.
10 shs Wide West at 15½ per share.
12 shs Wide West at 16 per share.
10 shs Wide West at 17 per share.
10 shs Wide West at 15 per share, s 30.
20 shs Wide West at 16¼ per share.
10 shs Wide West at 17½ per share, s 5.
20 shs Wide West at 18 per share, b 10.
20 shs Wide West at 20 per share, b 30.
4 shs Burning Moscow at 14½ per share.
20 shs North Potosi at 40 per share.
10 shs Baltic at 10 per share.
45 shs Sheba at 6 per share.
9 shs Spring Valley W. W. at 36 per cent.

AFTERNOON SESSION.

30 shs Sheba at $11 per foot.
1 sh Savage at 1200 per foot, s 15.
1 sb Savage at 1180 per foot, s 30.
8 shs Gould & Curry at 1500 per foot.
8 shs Gould & Curry at 1470 per foot.
9 shs Gould & Curry at 1480 per foot.
4 shs Gould & Curry at 1460 per foot, s 10.
4 shs Gould & Curry at 1450 per foot, s 10.
4 shs Gould & Curry at 1470 per foot.
20 shs Gould & Curry at 1450 per foot, s 5.
12 shs Ophir at 520 per foot.
8 shs Chollar at 375 per foot.
10 shs Wide West at 19 per share, s 5.
10 shs Wide West at 20 per share, b 30.
35 shs Wide West at 17 per share.
30 shs Wide West at 19 per share, b 30.
10 shs Wide West at 16½ per share, s 10.
30 shs Wide West at 17½ per share, s 10.
20 shs Wide West at 18 per share, b 10.
10 shs Baltic at 11 per share.
20 shs Lady Bryan at 3¾ per share, s 15.
40 shs Lady Bryan at 3¾ per share.
5 shs Melones at 17 per share.
5 shs Overman at 225 per share.

Amount of sales.....$54,392 25

Monday, August 15, 1864.

4 shs Gould & Curry at $1450 per foot.
4 shs Gould & Curry at 1460 per foot.
4 shs Gould & Curry at 1480 per foot.
8 shs Gould & Curry at 1500 per foot.
3 shs Gould & Curry at 1510 per foot.
4 shs Gould & Curry at 1490 per foot.
4 shs Gould & Curry at 1480 per foot.
8 shs Gould & Curry at 1460 per foot, s 30.
12 shs Ophir at 500 per foot, s 60.
24 shs Ophir at 525 per foot, s 60.
3 shs Savage at 1200 per foot.
5 shs Uncle Sam at 210 per foot.
30 shs Sheba at 11 per foot.
10 shs Lady Bryan at 3¾ per share.
30 shs Lady Bryan at 3¾ per share. s 15.
40 shs Lady Bryan at 3¾ per share.
20 shs Lady Bryan at 3¾ per share, s 15.
12 shs Imperial at 135 per share, r w.
10 shs Imperial at 134½ per share.
35 shs Wide West at 20 per share.
28 shs Wide West at 19 per share.
20 shs Wide West at 17 per share, s 30.
5 shs Wide West at 19¼ per share.
10 shs Baltic at 10½ per share.
10 shs Nevada, J. G. at 9 per share.
24 shs San Francisco Gas at 85 per cent.

AFTERNOON SESSION.

48 shs Ophir at $525 per foot, s 60.
4 shs Gould & Curry at 1475 per foot, s 15.
4 shs Gould & Curry at 1500 per foot.
4 shs Gould & Curry at 1505 per foot.
4 shs Gould & Curry at 1510 per foot.
4 shs Gould & Curry at 1480 per foot, s 30.
4 shs Gould & Curry at 1520 per foot.
1 sb Savage at 1275 per foot.
1 sh Savage at 1300 per foot, b 5.
1 sh Savage at 1300 per foot, s 30.
1 sh Savage at 1325 per foot.
12 shs Imperial at 136 per share.
10 shs Wide West at 19¼ per share.
10 shs Melones at 13¾ per share.
30 shs Lady Bryan at 3 per share.
30 shs Lady Bryan at 3¼ per share.
20 shs Golden Age & Empire at 7 per share.
8 shs Burning Moscow at 16 per share.

Amount of sales.....$43,405 00

Tuesday August 16, 1864.

54 shs Ophir at $550 per foot.
18 shs Ophir at 570 per foot.
12 shs Ophir at 570 per foot, s 5.
7½ shs Belcher at 875 per foot, r w.
7½ shs Belcher at 850 per foot.
4 shs Gould & Curry at 1510 per foot.
16 shs Gould & Curry at 1550 per foot.
4 shs Gould & Curry at 1545 per foot, s 25.
4 shs Gould & Curry at 1545 per foot, s 30.
4 shs Gould & Curry at 1555 per foot.
4 shs Gould & Curry at 1560 per foot.
4 shs Gould & Curry at 1550 per foot, s 30.
4 shs Gould & Curry at 1550 per foot.
1 sh Savage at 1250 per foot, s 60.
2 shs Yellow Jacket at 450 per foot.
8 shs Chollar at 430 per foot.
4 shs Potosi at 900 per foot.
5 shs Hale & Norcross at 300 per foot.
30 shs Lady Bryan at 3 per share.
60 shs Lady Bryan at 3 per share, s 5.
10 shs Melones at 15 per share.
10 shs Melones at 16 per share.
10 shs Melones at 16¼ per share.
25 shs Wide West at 20 per share.
10 shs Wide West at 19½ per share.
5 shs Baltic at 10 per share.
10 shs Burning Moscow at 16 per share.
10 shs Burning Moscow at 16¼ per share.
20 shs North Potosi at 40 per share, s 5.

AFTERNOON SESSION.

4 shs Gould & Curry at $1525 per foot.
4 shs Gould & Curry at 1530 per foot.
4 shs Gould & Curry at 1530 per foot, s 30.
1 sh Savage at 1375 per foot.
1 sh Savage at 1375 per foot.
5 shs Golden Age & Empire at 7 per share.
20 shs Lady Bryan at 3 per share.
10 shs Burning Moscow at 16¼ per share.
23 shs Burning Moscow at 17 per share.
10 shs Seneca at 12 per share.
5 shs Real del Monte at 17¼ per share.
5 shs Sheba at 15 per foot.

Amount of sales.....$40,848 00

Wednesday, August 17, 1864.

18 shs Ophir at $500 per foot.
20 shs Chollar at 490 per foot.
20 shs Chollar at 495 per foot.
12 shs Gould & Curry at 1460 per foot, s 30.
8 shs Gould & Curry at 1475 per foot.
2 shs Savage at 1400 per foot, s 30.
10 shs North Potosi at 48 per share.
20 shs North Potosi at 44 per foot.
5 shs Wide West at 18 per share.
10 shs Wide West at 17 per share.
10 shs Lady Bryan at 3½ per share, r w.
40 shs Lady Bryan at 3½ per share.
5 shs Lady Bryan at 3½ per share.
10 shs Nevada, J. G., at 8⅞ per share.
20 shs Melones at 17 per share.
10 shs Melones at 16 per share.
10 shs State Telegraph at 33 per cent.

AFTERNOON SESSION.

60 shs Chollar at $525 per foot, b 30.
26 shs Chollar at 490 per foot.
1 sh Savage at 1325 per foot, s 30.
1 sh Savage at 1350 per foot.
8 shs Gould & Curry at 1420 per foot, b 30.
8 shs Gould & Curry at 1400 per foot, s 30.
8 shs Gould & Curry at 1425 per foot.
16 shs Gould & Curry at 1450 per foot.
4 shs Gould & Curry at 1430 per foot, s 30.
4 shs Gould & Curry at 1460 per foot.
5 shs Yellow Jacket at 425 per foot.
10 shs Real del Monte at 17½ per share.
10 shs North Potosi at 44 per share.
10 shs North Potosi at 47½ per share, r w.
10 shs North Potosi at 50 per share.
40 shs North Potosi at 50 per share, s 30.
20 shs North Potosi at 55 per share.
10 shs North Potosi at 55 per share, r w.
10 shs North Potosi at 55 per share, s 10.
2 shs North Potosi at 57 per share.
10 shs North Potosi at 57 per share, s 10.
20 shs North Potosi at 60 per share, s 10.
1 sb Burning Moscow at 18 per share.
20 shs Melones at 16 per share.
10 shs Wide West at 15 per share.
20 shs Wide West at 16 per share, 25 ds.
15 shs Sheba at 20 per share.
5 shs Sheba at 19 per share.

Amount of sales.....$53,612.

Thursday, August 18, 1864.

8 shs Gould & Curry at $1440 per foot.
8 shs Gould & Curry at 1425 per foot, r w.
12 shs Gould & Curry at 1425 per foot.
40 shs Chollar at 500 per foot, b 30.
20 shs Chollar at 500 per foot, b 30.
20 shs Chollar at 500 per foot, b 10.
36 shs Chollar at 490 per foot.
50 shs Chollar at 490 per foot, r w.
20 shs Chollar at 490 per foot.
30 shs Chollar at 495 per foot, r w.
6 shs Ophir at 535 per foot.
28 shs Ophir at 540 per foot.
36 shs Ophir at 525 per foot.
12 shs Ophir at 530 per foot.
12 shs Ophir at 520 per foot, s 15.
24 shs Ophir at 520 per foot.
96 shs Ophir at 500 per foot, r w.
36 shs Ophir at 500 per foot.
12 shs Ophir at 500 per foot, s 5.
12 shs Ophir at 510 per foot.
12 shs Ophir at 525 per foot.
10 shs North Potosi at 55 per foot, s 20.
10 shs North Potosi at 56 per foot, s 30.
10 shs North Potosi at 62½ per share, buyer 10.
10 shs North Potosi at 59 per foot, b 10.
5 shs North Potosi at 59 per share.
5 shs Lady Bryan at 2 per share.
10 shs Lady Bryan at 1¾ per share.
70 shs Lady Bryan at 1¾ per share.
60 shs Lady Bryan at 1½ per share, s 5.
10 shs Melones at 15 per share.
20 shs Melones at 17 per share.
10 shs Imperial at 129 per share, b 30.
10 shs Imperial at 132 per share.
1 sh Burning Moscow at 17 per share.
20 shs State Telegraph at 33 per cent.

AFTERNOON SESSION.

4 shs Gould & Curry at $1430 per foot.
4 shs Gould & Curry at 1375 per foot, s 30.
4 shs Gould & Curry at 1400 per foot.
4 shs Gould & Curry at 1385 per foot.
4 shs Gould & Curry at 1370 per foot, s 10.
8 shs Gould & Curry at 1360 per foot, s 30.
4 shs Gould & Curry at 1380 per foot, s 10.
4 shs Gould & Curry at 1390 per foot, s 5.
4 shs Gould & Curry at 1385 per foot, s 5.
2 shs Potosi at 900 per foot.
8 shs Potosi at 900 per foot, r w.
20 shs Wide West at 18 per share, b 30.
10 shs New England Cons at 10c per share.
20 shs Figaro at 2½ per share.
30 shs Lady Bryan at 1¾ per share.
10 shs North Potosi at 55 per share, s 30.
10 shs North Potosi at 58 per share.
10 shs North Potosi at 55 per share.
10 shs North Potosi at 60 per share, r w.
10 shs North Potosi at 50 per share.
10 shares Real del Monte at 18 per share.
10 shs Real del Monte at 14 per share.
5 shs Burning Moscow at 18 per share.

Amount of sales.....$71,692.

Friday, August 19, 1864.

12 shs Ophir at $515 per foot.
60 shs Ophir at 500 per foot.
22 shs Gould & Curry at 1400 per foot.
4 shs Gould & Curry at 1360 per foot, s 30.
8 shs Gould & Curry at 1405 per foot.
4 shs Gould & Curry at 1404 per foot.
4 shs Gould & Curry at 1390 per foot, s 10.
1 sh Savage at 1300 per foot.
2 shs Potosi at 900 per foot.
84 shs Chollar at 500 per foot.
3 shs Wide West at 17 per share.
10 shs Wide West at 19 per share.
40 shs Lady Bryan at 3⅝@3⅞ per share.
20 shs Baltic at 13 per share, s 10.
5 shs Baltic at 13 per share.
83½ shs Burning Moscow at 20 per share.
10 shs Burning Moscow at 20 per share, s 30.
10 shs North Potosi at 55 per share.
10 shs North Potosi at 50 per share, s 30.
5 shs Bajazet & Golden Era at 15 per share.
5 shs Imperial at 125 per share, s 30.

AFTERNOON SESSION.

48 shs Ophir at $475 per foot.
4 shs Potosi at 890 per foot.
2 shs Potosi at 885 per foot.
8 shs Gould & Curry at 1430 per foot.
4 shs Gould & Curry at 1400 per foot, s 30.
4 shs Gould & Curry at 1460 per foot, b 5.
10 shs Burning Moscow at 20 per share.
10 shs Burning Moscow at 20 per share, s 30.
85 shs Lady Bryan at 4¾ per share.
10 shs Imperial at 125 per share.
40 shs Imperial at 125 per share, s 30.
10 shs Wide West at 17 per share, s 30.
10 shs Wide West at 19 per share.
90 shs North Potosi at 45 per share, s 30.
10 shs North Potosi at 45 per share.
10 shs North Potosi at 42½ per share.
12 shs North Potosi at 40 per share.
85 shs North Potosi at 35 per share.
15 shs North Potosi at 36 per share.

Amount of sales.....$58,440 00

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press
AND OTHER SAN FRANCISCO JOURNALS".

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE.
Astor, Gold Hill, $1	Sep 10—Sep 24*
Augusta, Augusta, R. R., 2 ass ts 12½c each	July 30—Aug 31*
Animas, Durango, Mex., $1	Aug 13—Aug 27*
Arizona, Cons., Eureka, 20c	July 30—Aug 23*
Alpine, Amador Dist. 25c	Aug 18—Sep 1
Archer Cons., Summit Lake, $1	Aug 8—Aug 23
Adriatic, Flowery, $1	Aug 20—Sep 3
Ashland, Arizona, $1	Aug 14—Aug 29
Amagorza	Annual Meeting Aug 25
Adelaide Cons., 50c	Aug 22—Sep 5
Alameda Coal, $1	Sep 8—Sep 24
Alban	Annual Meeting Aug 27
Baltimore	Annual Meeting Sep 16*
Bell, Santa Fe, Lander co	Aug 13—Sep 15*
Black Ledge, Reese River, $2	Aug 19—Aug 31
Big Blue Lead, Coso	Special Meeting, Aug 23
Buckeye & Old Hickory Cons. S. Catal., 50c	Aug 5—Aug 25
Barreteros, Mex., $5	Aug 16—Aug 27
Black Rock Ledge, R. R., $1	Aug 18—Sep 5
Burning Moscow, $5	July 29—Aug 15
Blanding, Devil's Gate, $2	Aug 26—Sep 3
Boston Copper, El Dorado co., 50c	Aug 11—Aug 23
Belcher, Baldwin & Abernethie, Div'd $8	Pay sble Aug 10
Bajazett & Golden Era Cons., $5	Leved July 30 Virginia
Blue Ledge, El Dorado co	Annual Meeting Aug 22
Buckeye, Devil's Gate, $2	Sep 19—Sep 30
Baja California, San Antonio, 50c	Sep 17—Sep 28
Boston Copper	Special Meeting Aug 28
Caldwell, Cove	Removal*
Clinton, R. R., 60c	Aug 6—Aug 26*
Charter Oak, Santa Catalina, 10c	Aug 11—Aug 27*
Comstock, San Antoulo, $4	Aug 22—Sep 3
Caledonia T. & M., Gold Hill, $1.50	Aug 12—Aug 24
Cortez, Lander co., $2½	July 29—Aug 23
Cosmopolitan, Copher, 50c	July 29—Aug 20
Columbia, Tuolumne co., $2	July 30—Aug 15
Chase & Cornwall, Amador Dist. 25c	Aug 18—Sep 1
Central American, Gold Hill, $1	Aug 2—Aug 22
California, La Paz, 75c	Aug 8—Aug 22
Cossette, Arizona, $1	Aug 13—Aug 27
California, Virginia, $12.50	Aug 12—Aug 25
Cedar Hill T. & M., Virginia, 50c	Aug 24—Sep 12
Crown Lead, Mariposa, $1	Aug 18—Aug 30
Calaveras Iron Mt. Copper, 50c	Aug 19—Sep 3
Consolacion, Sinaloa, $2	Sep 11—Sep 26
Cosala, Sinaloa, $1.50	Aug 12—Aug 24
Correl Viejo, Sonora, $7.50	Aug 15—Aug 29
Coral Hill, Lander co., 25c	Aug 26—Sep 12
Chihuahua & Western Summit	Annual Meeting Aug 15
Chrysopolis, Virginia, $1	Sep 5—Sep 20
Camargo, R. R., $1	Sep 1—Sep 17
Catalina Cons., San Pedro, 20c	Sep 5—Sep 17
Crown Point Ravine, Gold Hill, $1	Aug 30—Sep 14
Copp, Sierra, $1	Sep 10—Sep 24
Cinco Senores & La Providencia	Consolidated
Chicago & Detroit, Amador co., 75c	Sep 17—Oct 1
Chicago & Detroit	Annual Meeting Aug 23

Diamond, Santa Catalina, 10c.....Aug 11—Aug 27*
Dane, Esmeralda, $1.....Aug 13—Aug 30*
Daniel Webster, 20c.....Aug 13—Aug 27*
Diana, R. R., $2.....Aug 20—Sep 1
Dubuque, Galena, $1.....July 14—Aug 5
De Soto, Star, $2.50.....Aug 27—Sep 12
Daniel Webster, Devil's Gate, $10.....Aug 24—Sep 7
Del Norte Comstock, 25c.....Sep 18—Sep 30

Eldorado.....Annual Meeting Sep 16*
Eagle Quartz, Amador co., $2 .....Sep 10—Sep 26*
Eureka M. & M. Co., Lander county, $3.15...Aug 13—Aug 27*
El Taste, Mex., $2.....Sep 20 Sep 30
El Toro, Mex , $2.....Sep 3—Sep 13
Eclipse, Sierra 50c.....July 30—Aug 13
El Tesoro, Lower Cal., $2.....Aug 8—Aug 23
Eureka, Coal, Alameda co., $1.....Aug 16—Aug 30
Emilia, Guerrero, Mex , 25c.....Aug 2—Aug 20
El Dorado, Virginia, $2.....Aug 15—Aug 31
Eureka & Elizabeth Cons., Calaveras co., 10c..Aug 18—Sep 1
El Tigre, Durango.....Sale Aug 23
Eureka Coal, Alameda co.....Annual Meeting Aug 29
Eyla, Summit, 50 c.....Aug 25—Sep 8
El Alamo de San Antonio, Lower Cal., 50c.....Sep 1—Sep 15
Eclipse, Tulare co.....Annual Meeting Sep 6
Eureka & Elizabeth Cons., Cal Co.....Annual Meeting Sep 6
Esperenza, San Luis Obispo, Sp. Meeting Sep 20 S. L. Obispo

Fortuna, R. R., $1.....Aug 6—Aug 29*
Fairview, Copper, Calaveras co., 40c.....Sep 10—Sep 26*
Franco Americana, San Antonia, $10.....Sep 2—Sep 13
Figaro, San Antonio, 25c.....Aug 27—Sep 8
Florida, Lander Co., $5.....Sep 6—Sep 20

George Washington.....Annual Meeting Sep 17*
George Washington No. 2.....Annual Meeting Nov 17*
Gold Rock, Calaveras co., 50c.....Sep 10—Sep 26*
Good Hope, Alpine, 75c.....Aug 27—Sep 10*
Great Western, Keyes, Mono co., $1.....Aug 27—Sep 14*
Good Return, Cons., Tulare, $1.....Aug 24—Sep 10*
Gobernadora, Lower Cal., $1.....Sep 3—Sep 17*
Guadalupe del Agnajito, 50c.....Aug 20—Sep 1
Gold Hill Tunnelling, Gold Hill, $1.....Aug 13—Aug 26
Gov. Seymour, R. R. $1.....Aug 10—Aug 23
Great Cons. Boise, Idaho, $1.25.....Aug 23—Sep 10
Golden Rule, Tuolumne, 50c.....Aug 25—Sep 14
Guadeloupe de los Angelos, $1.50.....Aug 23—Sep 2
Great Central, Smoky Valley, 50c.....Aug 29—Sep 10
Goodwin, Simpson Park N. T., $1.....Sep 7—Sep 22
Green, Gold Hill, $1.....Sep 8—Sep 24
Germania, Mt. Diablo.....Aug 10—Aug 20
Germania No. 2, Slate Range.....Sale Aug 22

Honest Miner No. 2, R. R., 62½c.....Sep 3—Sep 17*
Holcombe, R. R. nder co., $1.....Aug 6—Sep 5*
Heidelberg, Marie co., 10c.....Aug 20—Sep 6*
Henry & Barnard, Weaver, 10c.....Aug 27—Sep 12*
Halo & Norcross, $25.....Aug 22—Sep 7
Hornitos, Hornitos, $1.....Aug 24—Sep 6
Halleck, Alpine co., 30c.....Aug 2—Aug 22

Hawley, Devil's Gate, $7.50.....Aug 1—Aug 20
Harmon, El Dorado co., $5.....Aug 9—Aug 27
Hornitos, Mariposa, 75c.....Aug 24—Sep 6
Hanscom.....Special Meeting Aug 24
Humboldt Canal, Humboldt co., $3.....Sep 17—Oct 5

Illinois.....Annual Meeting Sep 19*
Imperatrice, Santa Fe, Lander co.....Aug 13—Sep 15*
Imperial.....Caution*
Illinois, El Dorado Canon. A. T.....Jnly 30—Aug 29*
Illinois, Smoky Valley 50c.....Aug 13—Sep 2*
Iowa, Virginia, $6.....Aug 19—Sep 5
Iowa, Esmeralda, $1.....Sep 5—Sep 22
_X L, Alpine co., 75c.....Sep 10—Sep 21

J C Fremont, Sil. Mt. 4 ass'ts at 25c....Adv Aug 1—Sale Sept 1

Joe Lane, R. R., 50c.....Aug 11—Aug 24
Josephine, Coso, 50c.....Aug 31—Sep 12
Jowett, Gold Hill, $1.....Sep 21—Oct 6

Kate Lamar, R. R., 50c.....Aug 27—Sep 16*
Kelsey, Eldorado co., 10c.....July 27—Aug 27*
Keokuk, Coatra Costa, 15c.....Aug 27—Sep 10*
Kohler Bros., San Antonio, Mex., $1.....Aug 16—Aug 27
Keokuk, Clayton.....Annual Meeting Aug 27
Kentucky, Mine. Felix.....Annual Meeting Aug 24
La Libertad, Cacachilias, L. C., $1.....Sep 3—Sep 17*
Lady of the Lake.....July 23—Aug 25*
Leland, Arizona, 50c.....Sale Aug 26*
La Travlata, Calaveras co, 50c.....Aug 20—Sep 3*
Lochinvar, Gopher, 50c.....Aug 16—Aug 27
Louisiana, R. R., $1.50.....Sep 12—Oct 1
La Palma, San Antonio, Mex., 25c.....Aug 18—Aug 30
London Quartz, Siskiyou co., $1.....Aug 11—Aug 25
Legal Tender, Lander co., $1.....Aug 9—Aug 24
Lady Bryan, Flowery, $3.....Aug 24—Sep 10
La Blanca, Sonora, $2.50.....Aug 22—Sep 5
La Fernandez, Hermosillo, Mexico.....Aug 25—Sep 9
Latrobe, Virginia 50c.....Sep 1—Sep 15
Lady Bell, Low Divide, 20c .....Sep 1—Sep 14
Lotus, Gopher, 25c.....Aug 31—Sep 17
Lily of the West, Esmeralda, 5c.....Sep 14—Sep 25
Las Churcas, Lower California, $50.....Sep 20—Sep 30

Mammoth. .....Annual Meeting Sep 9*
Maryland, Santa Fe, Lander co.....Aug 13—Sep 15*
Mosquito, Calaveras co., $5.....Aug 13—Aug 29*
Mount Zion, Claytou Dist., Contra Costa, $1.Aug 11—Aug 27*
Molones & Stanislaus, C. H, $2.50...Adv. July 30—Sale Aug 13
Mount Washington, Devil's Gate, $2.....Aug 26—Sep 3
Manchester, Monitor, $1.....Aug 16—Aug 31
Morning Star, Alpine Co., 75c.....July 30—Aug 19
Mineral Hill, Mono co., 50c.....Aug 7—Aug 20
Metropolitan, Silver Mountain, 20c.....Aug 13—Aug 21
Monster Cons., Santa Catalina, 50c .....Aug 8—Aug 20
Manzanilla. Sinaloa, 25c.....Aug 20—Sep 3
Mineral Hill, Mono co.....Annual Meeting Sep 1
Miua Rica de Las Flores, Cal. co.....Annual Meeting Aug 24
Maggie, Lander co., $5.....Sep 9—Sep 29
Mt. Zion.....Annual Meeting Sep 3
Musidora, San Antonio, 50c.....Sep 3—Sep 17
Mina Prieta.....Special Meeting Aug 20
Monte Cristo.....Special Meeting Sep 13

Napa.....Annual Meeting Sep 12*
North Star, Santa Catalina, 10c.....Aug 11—Aug 27*
North Star, R. R., $2.....Aug 20—Sep 2
Nevada Copper, Nevada co., 50c.....Aug 13—Aug 25
Nuestra Sonorn de Guada', Mex. $1.....Aug 20—Sep 5
Nelson, Inyo.....Sale Aug 25
New England Cons., Santa Catalina, Annual Meeting Aug 22
New York Quartz, El Dorado co., $1.25.....Aug 20—Sep 2
New Year Diggings, Tuolumne $1.50.....Sep 2—Sep 14
North Potosi, Virginia, $12½.....Sep 8—Sep 20
Noble.....Quarterly Meeting Aug 22
New England Cons., Santa Catalina, 5c.....Sep 15—Sep 26
Nobie Grand, Inyo.....Special Meeting Aug 27

Ossipee, Eldorado co., 5c.....Aug 27—Sep 13*
Oxford Beta, Esmeralda, 50 cents.....Aug 13—Aug 31*

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Mont'ly Divid'd P ft.	Recent Assessments Per foot.	Total Ass'ts P ft.
Baltimore American	2,000	1	2,000	$ 500 00	$ ——	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	13 00	14 00		Jan 7, $10, July 23 $0.	35 00
Bajazett and Golden Era	4,000	1	4,000	500 00	12 00	14 00		May 13, $5; July 30, $5.	33 25
Best & Belcher	224	4	896	500 00	——	——		Jan 12, $25; May 17, $100.	200 00
Burning Moscow	4,100	1	4,100	500 00	19 00	20 00		Jan 19, $15; June 24 $5.	56 34
Burnside	2,800	1	2,800	500 00	1 00	6 00		Aug 17, $2; Feb 10, $2.	9 00
Belcher	1,040	3	3,120	1,000 00	800 00	875 00	$24		
Buckeye	3,000	1	2,800	100 00	2 00	8 00		Aug 15, $2; Juno 4, $1.50.	20 20
Bullion, G. H.	2,600	1	2,500	200 00	37 00	50 00		Apr. 1, $20; Juno 8, $20.	
California	300	12	3 000	300 00	——	——		July 12, $1.50.	
Central	150	12	1,800	500 00	——	——		Jan 23, $15.	
Caledonia Tunael	5,000	1	5,000	400 00	1 00	3 00		May 25, $3; July 12, $1½	19 50
Crown Point	303	2	780	100 00	850 00	650 00		Oct 13, $25.	100 00
Chas. Caney	1,800	1	1,800	30 00	——	15 00		Nov 30, $5; Mar 10, $3.	25 00
Choliar	1,400	4	5,000	800 00	500 00	520 00		Jan 25, $60. Apr 15, $50.	320 00
Daney	2,000	4	8,000	60 00	20 00	25 00		Sept 15, $10; Jan 26, $12.	47 00
Desert	2,200	1	2,200	100 00	——	——		Jan 20, $1.	8 00
El Dorado	1,000	1	1,000	500 00	——	8 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co	75	10	1,200	833 00	——	550 00	$30		
Gould & Curry	1,200	4	4,800	500 00	1,450 00	1,460 00	$50		
Grass Valley	4,200	1	4,200	500 00	——	20 00		Dec 17, $3½; Mar 29, $10.	
Halo & Norcross	400	2	800	500 00	250 00	350 00		May 24, $50; July 18, $50.	875 00
Imperial	184		4,000	500 00	128 00	135 00	6$	Dec 22, $12.50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	——	——		Nov 18, $1; July 10, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	3 00	4 00		May 11, $3; July 19, $3.	18 25
Lucerne	1,800	1	1,800	500 00	——	——		Nov 27, $3; Feb 10, $5.	36 00
Mount Hope, G. H.	2,000	1	2,000	600 00	——	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	——	15 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	8 00	0 00		Apr 9, $20; July 26, $12.	32 00
North Potosi	2,000	1	2,000	250 00	42 00	50 00		Jun 13, $12½; Aug 6, $12½	127 50
North American	4,100	1	4,100	300 00	35 00	50 00		Oct 10, $10; Mar 23, $20.	
North Ophir	1,000	1	1,600	500 00	——	20 00		Nov 11, $1; Mar 25, $5.	
Norton	1,000	1	1,000	50 00	——	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	10,800	300 00	475 00	480 00	$48		
Overman	1,200	1	1,200	500 00	225 00	300 00		June 7, $20; July 7, $20.	
Potosi	1,400	2	2,800	500 00	875 00	890 00		Dec 0, $50.	02 00
Porter	600	1	600	500 00	——	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	2 00	4 00	$5	Oct, Nov, Dec 16, $9.	0 00
Savage	800	1	800	2,000 00	1,250 00	1,275 00	$50		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	——	——		Feb 11, $4; Apr 21, $10.	
Silex	500	2	1,000	500 00	——	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	15 00	20 00		Mar 8, $5; May 16, $10.	96 00
Spanish No. 2	1,600	1	1,600	500 00	——	20 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	200 00	275 00		November 2, $50.	63 00
Whitman	1,800	1	1,800	1,000 00	——	——		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	——	400 00		Aug 17, $30; June 17, $30.	257 00
Yellow Jacket	1,200	1	1,200	1,000 00	350 00	425 00		July 21, $30; Aug 4, $110.	250 00

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	20 00	50 00		Nov 16, $25; Feb 19, $25.	137 50
Bamboo	000	1	600	500 00	——	——		Sept 18, $5; Juno 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	——	8 00			12 25
Falls of the Clyde	6,000	1	0 000	100 00	——	——		Nov 20, 50c.	2 72
Golden Age and Empire	2,000	1	2,600	250 00	6 00	8 00	$5		
Nevada	600	2	1,200	250 00	——	——		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,000	1	4,400	400 00	15 00	18 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	——	6 00			8 25
Ural	400	1	400	500 00	——	——		Nov 18, $20.	
Utah	1,000	1	1,600	250 00	12 00	20 00		July 28, $6; Jan 5, $3.	14 00
Wide West	2,600	1	2,600	600 00	17 00	18 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000		3,600	600 00	——	2 00		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	——	3 00		Oct 19, $3; July 31, 50c.	11 00
San Carlos			2,600	100 00	——	——		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	——	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

Be Soto	1,980	1	1,980	100 00	——	15 00		May 21, $2.50.	11 85
Sheba	1,800	2	3,600	500 00	15 00	17 00		Mar 10, $10; Aug 12, $20.	62 00

REESE RIVER DISTRICT.

Amador	1,400					——		May 3, $5.	18 00
Coral	1,000	1	1,000	500 00	——	——		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	——	——			
Oregon	800	2	1,600	300 00	——	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	——	——		Dec 8, 50c.	2 50
Whitlatch	000	2	1,200	1,000 00	75 00	——		May 11, $10; June 25, $5.	16 00
Willow	2,800		1,400	200 00	——	——		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	——	——			
North Star	1,000	1	1,000	500 00	——	60 00		Mar 28, $1.	2 50
Gov. Seymour	1,000	1	1,000	500 00	——	——			1 50
Diana	1,200	1	1,200	500 00	——	——			1 50
Blue Ledge	1,000	1	1,000	1,200 00	——	——			2 00
Joe Lane	1,000	1	1,000	600 00	——	——		Jan 18, 50c.	1 50
Honest Minor	1,400	1	1,400	1,000 00	——	——		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	——	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	——	——		Oct 13, $10; Feb 10, $30.	140 00
Sra do Guadelupe	3,000	1	3,000	1,000 00	——	——			9 00
San Marcial	13,200	1	13,200	100 00	——	25 00			
San Nicholas	1,200	1	1,200	200 00	——	——		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	——	2 00		Jan 30 $2½; Jun 18, $1½	
Fellows	2,500	1	2,500	100 00	——	——			
Molones	3,000	1	3,000	50 00	14 00	10 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	——	65 00		Feb 13, $10; Juno 8, $5.	15 00
Triunfo, L. C.	7,800	1	7,866	200 00	——	25 00		June 18, $1; Aug 1, $1.	15 00

Open Sesame, Clayton District, $1.....Aug 12—Aug 27
Occidental, Los Angeles co., 30c.....Aug 6—Aug 20
Occidental Copper, Del Norte, 40c.....Aug 1—Aug 25
Overman.....Sale Aug 25, Gold Hill
Occidental Copper, Soledad.....Annual Meeting Aug 24
Oak Flat Quartz, Sierra co ,20c.....Aug 30—Sep 13
Ontario, R. R.....Annual Meeting Aug 17
Ontario, R. R., $5.....Aug 31—Sep 14
Owens River, Inyo, $3.....Sep 3—Sep 14
Old Hickory, Lander co.....Sale Aug 22
Ontario, R. R.....Annual Meeting Aug 17

Palmyrn cons.....Annual Meeting Aug 22*
Porter, Virginia, N. T., $5.....Aug 27—Sep 10*
Palma, Sonora, Mex , $1.....Aug 27—Sep 10*
Pena Silver, Lower California, $3.....Aug 20—Sep 3*
Paris, Gold Hill, 50c.....Aug 13 Sep 3
Patrocina & Dolores, Mex., $2.....Aug 13—Aug 24
Planet, Arizona, 50c.....Aug 23—Sep 7
Peninsula, Sau Antonio, $10.....Aug 25—Sep 9
Plumbago, Sierra, $1.....Sep 3—Sep 17
Piney Creek, Mariposa.....Annual Meeting Aug 15
Prima Donna, D. G.....Annual Meeting Sep 7
Peytona, Virginia, $1.....Sep 12—Sep 30
Patrocina & Dolores, Chihuahua....Annual Meeting Aug 29
Pacific, Esmeralda, 50c.....Sale Sep 15
Providential, Lander co., $3.....Sep 15—Sep 30

Queen of Antilles Cons., R. R., 6c.....July 30—Sep 2*
Quartz Mountain, 40c.....July 30—Aug 19*

Roso Matilda, Santa Catalina, 10c.....Aug 11—Aug 27*
Real del Monte, Esmeralda.....Sale Aug 22
Royal Eagle & Cliff, Gold Hill, $1.....July 27—Aug 20
Rancheria, San Antonio, $1.....Aug 18—Aug 31
Rosario and Carmen, $1.....Aug 20—Sep 2
Roach, Mono co.....Annual Meeting Sep 1
Rhodes Diggings, Sacramento co., $1.50.....Sep 10—Sep 24
Rhodes Diggings.....Quarterly Meeting Aug 22

Salamander, Calaveras co., 10c.....Sep 17—Oct 4*
San Francisco, Moss Ledge, S. F. Dis., A. T. $1..Sep 17—Sep 28
Sierra Nevada.....Annual Meeting Sep 12*
Silver Creek.....Annual Meeting Sep 17*
Silver Prize.....Annual Meeting Sep 20*
Silver Prize No. 2.....Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1.....Sep 10—Sept 26*
Santa Marla, Santa Fe, Lander co. .....Aug 13—Sep 15*
Sierra Nevada O. Q., Sierra co., 50c.....Sep 3—Sep 17*
Sisters, Augusta, R. R., 2 ass'ts 15c each....July 30—Aug 31*
Standard, Amador, R. R.....Sale Aug 22*
Sumner, $5 .....Adv July 22—Sale Aug 20
San Marcial, Sonora Mex.....July 26—Aug 25
Sierra, Ormsby co., $2.....July 27—Aug 15
Soledad, Los Angeles co, 25c.....Aug 9—Aug 23
San Marcial, Sinaloa.....Sale Sep 5
Salvatierra, Catalina Island, 50c.....Aug 8—Aug 22
Segregated Crown Point, Gold Hill, $26.....Aug 9—Aug 22
Scottish Chief, Humboldt co., $1.....Aug 9—Aug 24
Salambo, Tuolumne co., 50c.....Aug 16—Sep 3
Santa Rosa de Ures, Mex., 50c.....Aug 16—Aug 27
Starlight, Humboldt co., 50c .....Aug 10—Aug 30
Siempro Viva, Sinaloa, $2.50.....Aug 20—Sep 3
Santa Teresa de Jesus, Cucurpe, Mex., 50,.....Aug 20—Sep 5
Sierra, Douglas co., $2.....Aug 1—Aug 22
San Francisco, Gold Hill, 40c.....Aug 18—Aug 31
Santa Anna, San Antonio, Mex., 10c.....Aug 29—Sep 8
Star of Hope, Alpine co, 35c.....Aug 19—Sep 5
Santa Cruz, San Antonio, $2.50.....Aug 22—Sep 2
San Antonio, Chiquito, Mex.....Sale Aug 31
San Lorenzo, Santa Cruz, 50c.....Aug 22—Sep 7
Seneca, Virginia, $5.....Sep 2—Sep 16
Silver Cloud, Alpine co., 50c.....Aug 28—Sep 8
San Carlos Exploring & Mining, $1.....Aug 31—Sep 12
Sweet Vengeance, Yuba co., $1.....Sep 6—Sep 20
Siskiyou, Siskiyou co., $1.....Sep 10—Sep 24
Staudard, Lander co., $1.50 .....Sep 13—Sep 28
Sheba, Star City, Humboldt co., $10.....Sep 12—Sep 24
Sophia, Tuolumne co.....Annual Meeting Sep 5
Smith & Martin, R. R., $12.....Sep 23—Oct 5
Smith & Martin, R. R.....Annual Meeting Sep 20
Sierra Cons.....Adjourned Meeting Aug 22
Seneca, Virginia.....Annual Meeting Sep 12
Santiago.....Quarterly Meeting Aug 23
Seneca, Esmeralda, 10c.....Sep 14—Sep 25
Sotoyome, Esmeralda, 5c.....Sep 14—Sep 25
Silver Circle, R. R.....Annual Meeting Aug 25

Tiptop.....Annual Meeting Sep 17*
Teutonia, San Miguel, 25c.....Aug 6—Aug 20*
Tellurium, Pino Grove dis., Amador co., $1.Aug 13—Aug 27*
Tallulah, Sierra, $15.....June 17—Aug 29
Texas, R. R., $1.....Sep 12—Oct 1
Tecumseh, Gopher, $3.....Aug 22—Sep 8
Tesoro, Lower California, $1.....Aug 18—Aug 31
Tennessee, Echo, 50c.....Aug 13—Aug 30
Toledana, Mariposa, 25c.....Aug 22—Sep 9
Teutonia, Mount Diablo.....Special Meeting Aug 23
Tranquillon, Fresno.....Annual Meeting Aug 29
Tulare, Inyo, 40c.....Aug 31—Sep 14
Tornado, 30c.....Sep 3—Sep 15
Triunfo, San Antonio, $1.....Aug 31—Sep 14
Toledana, Mariposa.....Annual Meeting Sep 1
Toutonia, Gold Hill.....Special Meeting Aug 20
Teutonia, Gold Hill, 25c.....Sep 16—Sep 29

Union, Sierra co., Dividend.....Payable July 15
United States, Lander co, $1.....Sep 10—Sep 24
Union No. 2, R. R., $1.....Sep 15—Sep 28

Veatch, Clifton.....Sale Aug 22

Wisconsin.....Annual Meeting Sep 17*
Well Partridge, Weaver, A. T., 12½c.....July 30—Aug 27*
Wide West Cop., Calaveras co., 20c.....Aug 13—Aug 27*
Wellington, Santa Catalina, 25c.....Aug 17—Aug 31*
Warfield, Placer co., 15c.....Aug 5—Aug 22*
Williams, Silver Mountain, 25c. 20c & 25c.....Aug 1—Sept 1
Washington, Lander co., 50c.....Sep 1—Sep 15
Winona.....Annual Meeting Aug 22
White & Murphy, Virginia, $7.50.....Sep 21—Oct 4
Washoo, Gold Hill $4.50.....Sep 21—Oct 5

Young Harmon, El Dorado co., 25c.....Aug 8—Aug 25
Yellow Jacket, 11 per cent.....Levied Aug 1
Yankee Blade, R. R., $5.....Sep 16—Oct 3
420, Virginia, $6.25.....Aug 22—Sep 8

Zenith, Calaveras co., 50c.....Sep 17—Oct 3

* Those marked with an asterisk (*) are advertised in this journal.

Mechanical.

American Experiments on Steam Expansion.

Mr. George V. Hecker, of 239 Cherry street, New York, has been for some years occupying toward scientific investigators the same munificent position, which in the case of Boulton, has forever connected his name with the department of steam engineering. The experiments of Hecker and Winterman are now most deservedly attracting attention as, of old, did those of Boulton and Watt. These experiments are being made to ascertain the actual advantage of working steam expansively, in a cylinder, both with and without a jacket of steam. It is with great pleasure, therefore, that we announce that they have resulted in showing that there are conditions within ordinary reach, where part of the theoretical gain due to using steam expansively can be realized.

These experiments are conducted under a test of the work done, which is so well approved by Mr. Allen, the head of the United States Government Commission, that it will form the standard measure in the experiments of that body, thus making both series, in this respect, easily comparable. Ready adaptation to different work, uniformity and accuracy are its recommendations. The cylinder employed is made of steel plate 1-10th of an inch in thickness, and is surrounded by a similar plate, the space between being 3-8ths of an inch thick. The whole is then secured in an ordinary cast-iron cylinder. The experimental engine has a cylinder ten inches in diameter, with two feet stroke. Experiments are tried with the space between the two cylinders filled with steam, and then under the same conditions without steam in this space. The engine is also worked as a condenser. For each experiment the engine is run constantly thirty hours, observations being recorded every hour.

We annex particulars of experiments when the space between the two cylinders was not filled with steam. In the first experiment of thirty hours the steam was cut off at—

⅞ths of the stroke.	⅔ds in the next.
½ in the next.	¼th in the next.

The regularity with which the engine was kept at constant duty is shown in the total number of revolutions of the engine and of the fan during each thirty hour's run. The total number of the revolutions of the engine during the thirty hours when the steam was cut off at—

⅞ths was 77,668	⅔ds was 77,625
½ was 77,627	¼th was 77,634

The fan is driven by a gear from the engine shaft, and the total number of revolutions of the fan during each experiment was in the—

⅞ths cut-off 123,229	⅔ds cut-off 123,128
½ cut-off 123,132	¼ cut off 123,147

The following are the results. The number of pounds of water evaporated during the thirty hours in which the steam was cut off at—

⅞ths was 16,622	⅔ds was 14,981
½ was 14,568	¼th was 12,826

The pounds of fuel consumed, adding the coal and wood together, and deducting the ashes, were—

⅞ths cut-off 1,635	⅔ds cut-off 1,401
½ cut-off 1,374	¼ cut-off 1,245

In all of these experiments the steam was condensed, and the space around the cylinder was not heated with steam from the boiler. It will be seen that, under these conditions, a given amount of work could be done with considerable economy in the evaporation of water and in the consumption of fuel by working the steam expansively; the saving in cutting off at a quarter instead of seven-eighths being about 25 per cent. These were the mean initial pressures in the several experiments—

⅞ths cut-off 30.6	⅔ds cut-off 33.3
½ cut off 38.1	¼ cut-off 53.9

On these experiments the *Scientific American* remarks: "Had the experiment with the cut-off at seven eighths been tried with a smaller cylinder—a cylinder of such size as to yield the required power with steam at the pressure of 53.9 pounds per square inch—the result would have been different. As the proportion of the back pressure is similar in working steam at high pressure, the advantage must have been less favorable to the short cut-off.

In all investigations the great danger is of drawing a general inference from too few facts, and this is especially the case in regard to working steam."

A workman named Lehman, employed at Goss & Lombard's foundry, Sacramento, met with a serious accident Wednesday afternoon. While holding a piece of lead for a fellow workman to strike, the sledge-hammer missed the mark and struck Lehman's right hand. The three first fingers were badly crushed by the blow.

Brodie's Amalgamating Barrel.—James Brodie of San Francisco has obtained a patent for the use of blocks of wood, arranged endwise, as a lining to the amalgamating barrel, thereby greatly reducing the wear and tear by the friction of the ores, etc. We have already alluded to the introduction of this improvment at one of the mills in Virginia City.

A Mechanical Feat.—A steel driving-wheel tire, of a locomotive belonging to the San Francisco and San Jose Railroad, was welded recently by Mr. Newsomo, foreman blacksmith of the Union Foundry. His arrangements were such that he needed but three helpers on the work. The time is not far distant, we trust, when first class locomotives, entire, will be turned out of our machine shops.

First Anniversary of the Trades-Union.—A Committee has been appointed by the Trades Union to devise a suitable manner of celebrating their first anniversary, during the ensuing month. Within the first year of its existence, fourteen different branches of mechanical industry have united, and they hope during the next year to embrace every class of mechanics in the community. The objects of the Union are certainly praiseworthy, and we hope the celebration will prove worthy of the occasion.

A Novel Use for Corn.—American ingenuity has discovered a novel purpose to which corn can be put, namely, for stretching boots and shoes. The boot or shoe is well filled with corn, and made sure by such tight tying that none can escape. It is then immersed for several hours in water, during which the latter is distended by the gradual swelling of the grain. After being taken from the water a coating of neat's-foot oil laid on, and left to dry, renders the boot or shoe ready for wear.

Effect of an Air Blast on Heated Iron.—If a piece of iron is filed while hot, the filings appear to increase in temperature as they fall to the ground. This appearance is no doubt real; for if a piece of iron be taken welding hot from a forge fire and subjected to an air blast, its temperature may be kept up for some time, and the iron wasted away by the action of the blast. Nail makers formerly made use of this fact to keep their iron hot, by having a small bellows fixed in front of their anvils to blow upon the iron while they were working the same.

The Fire Alarm Telegraph.—The *Alta*, in allusion to the introduction of the Fire Alarm Telegraph system, which will soon be inaugurated in this city, says that the contract calls for a deal of work, which must be done in the most approved and workmanlike manner. The wires will extend from the main station to every engine house in the city, besides branch stations in all parts of the town. Five large bells will be sounded instantaneously by the machinery, and on the instant each engine house bell can be rung. This grand plan also embraces a police telegraph, a detective quick as lightning, and as sure as rapid. This must prove an invaluable auxiliary to Chief Burke's already efficient staff.

Too much praise cannot be bestowed on Mr. Street for the promptitude and energy he has displayed in bringing about this business arrangement, which, when carried out, will promote so materially the safety and security of both life and property.

The cost of the new Atlantic cable, now manufacturing, will be £700,000.

A New Patent for Separating Silver and Gold from Lead.—Mr. Edward Boelbaek, of Newark N. J., has obtained a patent for a new method of seperating gold and silver from lead, which is thus described in his specifications:

I claim, first, Melting the lead which contains the silver and gold in a furnace with an inclined hearth, and drawing it off into a kettle containing, or to contain, a proper quantity of zinc to take up its silver and gold, instead of melting it in the kettle, as and for the purposes herein described and set forth.

Second. Casting the mixture of lead, silver, zinc and gold, after it has been sufficiently stirred for the zinc to take up the silver and gold, into pigs or masses of suitable form and size to re-melt in the furnace.

Third, Placing these pigs or blocks of lead, zinc, silver and gold, in a furnace with an inclined hearth, and then subjecting them to a low degree of heat, sufficient to cause the lead to melt and run off, but not sufficient to melt zinc, silver and gold.

Fine Machinery.—Messrs. Devoe, Dinsmore & Co., of the San Francisco Steam Engine and Machine Works, have almost completed an overshot water-wheel, twelve and a half feet in diameter, twelve feet wide, and of eighty-horse power, which is to be used in a cotton factory in Sonora, Mexico, and is to drive seventy looms. This wheel was designed by Messrs. Brodie & Co., is made entirely of wrought iron, and is pronounced by competent judges to be the best piece of workmanship yet turned out on this coast. It is the first of the kind ever constructed on the Pacific. Its weight is twelve tons. Also, Messrs. Devoe, Dinsmore & Co., have manufactured a fine thirty-horse power steam engine, with pump and hoisting gear, for the Nahulia Mining Company, Mexico, by order of their agent and engineer, Mr. George Hirra. This machinery, together with the iron water-wheel and two complete quartz mills, (both of the latter built for Mr. Hirra, and to be used in Mexico,) will be shipped on the next steamer. The seventy-horse power engine and hoisting gear ordered by the Minerva Mining Company, Gold Hill, Nevada Territory, has at last been completed, and may be seen at the San Francisco Machine Works. This is doubtless the finest engine ever constructed in San Francisco, and is well worthy of inspection by such as are conversant with machinery, and able to judge of mechanical excellence; it is beautiful enough for a parlor ornament.—*Call.*

Quartz Mill Model.—Mr. John Wilvert, of Clifton, says the Reese River *Reveille*, has invented and constructed a model of a quartz crushing battery. The model consists of a framework of four upright posts standing in a plank; these posts are connected together at the top by cross pieces, the frame being about eight inches long by four wide and eight high; one end being the battery frame, in which are four stamps of squared wooden arms with iron heads. A short distance from the battery frame is a fulcrum shaft, on which are placed as many levers as there are stamps. In the proportion of twice the distance from the battery to the fulcrum shaft, is the cam shaft to operate on the levers in lifting the stamps. The battery is similar in many respects to one lately constructed by Gaston although Wilverth claims his as entirely original, having made the plan several years since. The features claimed as new and valuable, are placing friction rollers for the levers to act upon in lifting the stamps and attaching rollers also to the cams that bear down upon the levers. The superiority of this over the old method can only be proven by trial. We have a strong desire that the new inventions may succeed, to the utmost anticipations of the projectors, but as yet reluctantly confess that we cannot see their advantages.

Washing Machine.—A. Beebe, of the firm of Crowkite & Beebe, on J street, and Frank Wetzel, who works in the same establishment, says the Sacramento *Bee*, have recently been inventing a new washing machine, for which a patent has been asked. Those now manufactured are boxes 22 inches long, 22 inches deep and 18½ inches wide. On the bottom of the box are four cast steel springs, and on these springs rests a concave washboard, having twenty rollers. In the box revolves, when washing is going on, a fluted drum or cylinder, fifteen inches in diameter, and its length the width of the box. It will be seen that, covered by these springs, the clothes, be they large or small pieces, must get a regular amount of pressure, and are placed in conflict with two circular washboards. The first washing machine of this kind, made by Beebe & Wetzel, has been in use forty days, and has done the washing of four families with perfect satisfaction to all interested. In fact all the housekeepers who have tried this machine acknowledge its superiority, and will testify to its excellence. One of these washing machines will be on exhibition at San Francisco during the approaching Mechanics' Fair.

Forms of Domestic Utensils.—It is an axiom that whatever is truly great or practical is always based on simplicity. The beautiful outlines observed in Greek and Etruscan vases, and other domestic utensils have caused, much abstruse geometrical investigations into conic sections, etc., under the impression that those beautiful forms of art had been thus eliminated. A few years since, however, Mr. Dwyer, a member of the "London Decorative Art Society," commenced a series of observations and comparisons in which he fully established the fact that the ancient fabricators of those elegant domestic utensils, instead of diving into the intricate depths of geometry for the exquisite forms which they produced, merely copied the works of nature in some of her simplest and most unassuming forms. He showed that the leaves of the laurel, the apple, the geraneum, the thornbeam, the privet, etc., contained in their outlines precisely the forms which were developed in some of their beautiful works of ancient decorative art. Ancient architectural decoration is well known to have sprung almost exclusively from the natural productions of the forest and garden. Nature has ever been the great teacher of man. Her lessons are the very essence of simplicity, and she never yet led her pupils astray.

Labor—Ancient and Modern.—The great Egyptian pyramid cost the labor of about 200,000 men 20 years; the same amount of labor could now be performed by 20,000 men in five years.

A Seamless Keg.—It is said that an ingenious mechanic in Hartford, Conn., has invented a "seamless keg," turned out of a solid piece of wood.

White beans are the cheapest and most nutritious food which can be eaten. Beans and pork furnish nearly all the elements necessary to human subsistence. A quart of beans at eight cents and a pound of pork at twelve cents will feed a small family for a day. Four quarts of beans and two pounds of corned beef boiled to rags, in fifty quarts of water, will furnish a good meal for forty men, or one and a quarter cents a meal.

An enterprising but ignorant South American has sent to an Albany locomotive shop for one hundred "cow catchers." He expects to use them in taking wild cattle on the plains of Paraguay, in place of the lasso.

As usual in the Massachusetts State Prison, the 4th of July was celebrated in fine style, and on the vote being taken, the prisoners were found to be unanimous for liberty.

The less a man does the more fuss he is apt to make. A hen with one chicken does more scratching than if she had a family of fifteen.

Goats.—Another drove of goats arrived at Gold Hill, a few days since. The ready sale met by the first drove has encouraged the importation of that style of horned cattle.

It is a beautiful saying of somebody that gratitude is the music of the heart when its chords are swept by the gentle breeze of kindness.

A severe drouth is prevailing in Minnesota. The ground is said to be dried several feet below the surface. Wells and cisterns are dry, and the streams and lakes alarmingly reduced.

A salute of 100 *anvils* was fired at the Dalles, (Oregon), in honor of the passage of the bill providing for the establishment of a Branch Mint at that place.

Gen. Robert Toombs, formerly Senator in Congress from Georgia, and then General in the rebel army, is now a private in a Georgia regiment.

A preacher in Stockton appends to the notices for his religious services, "no collections."

The Territorial *Enterprise* of the 11th inst., contains nearly six columns of names (big columns and small type) asking Judges North, Turner and Locke to resign forthwith.

The Nevada Constitution is to be submitted to the people on the first Wednesday in September.

Release of Mr. Weller.—Mr. Weller was released from imprisonment at Fort Alcatraz, on Wednesday last, on his taking the oath of allegiance and entering into bonds in the sum of $25,000, to keep the peace, and in all things conduct himself as a good law-abiding and loyal citizen of the United States.

Our Summary of Mining News.

GLEANED FROM VARIOUS EXCHANGES.

CALIFORNIA.

The Nevada *Transcript* says that Mr. Tallmaa is experimenting in roasting copper ore at Spenceville, which, if successful, will bring into the market a large amount of low grade ore which will not pay on account of the immense cost of transportation. He proposes by the roasting process to expel the sulphur and other constituents of the ore, lighten the weight, thereby raising the per cent. Hundreds of tons of this low grade rock have been taken out, and if measures can be devised for its reduction, considerable money can be realized.

A nugget of pure gold, weighing 16½ lbs., was found a short time since on the North fork of the American river, near Michigan Bluffs, Placer county. The run for the week on this claim was $5,400, only eight men being at work. The Democratic *Press* of this city remarks upon the above facts, that hundreds of men are leaving California for mines in other parts of the country, but we doubt if they will find anything better than our own placer mines. There are millions of dollars worth of gold in our own State—it only requires stalwart arms to bring it forth.

The Jackson *Ledger*, of Amador county, says that the Garabaldi company, located about one and a half miles north of Drytown, formerly Hunt, Paggio & Co., is thought to be a rich lode. Uncle Billy Rogers, better known as Garabaldi, recently bought into the above claim, paying for one seventh of the same the handsome little sum of $500, hence a change of name for the company. They have a shaft down some fourteen feet and are taking out gold bearing rock that prospects from $50 to $75 per ton.

MARIPOSA COUNTY.—The Mariposa *Gazette* says that during the past few weeks there has been quite a mining excitement in that region, caused by the reports of rich and extensive diggings on the head waters of the San Joaquin, about 120 miles to the east. A large number have gone there, but during the past week many have returned, and report the amount of mining ground very limited in quantity, and not rich. There are but few claims, and they are situated in a cañon, the soil is not deep, and the pay dirt far from being extensive. Two or three companies are working Chinese, and manage to take out an amount averaging from two to three dollars per man. This is certainly not very encouraging. Many who went there will return, while others are prospecting beyond the locality of the above diggings. The whole thing is a very sizeable sell.

The Downieville *Standard* says that the returns of the Keystone mill, from a run of twenty-three days, and crushing 300 tons of rock, was $5,500.

The Quincy *Union* learns that the Batte Ledge company are taking out rock which assays as high as $800 per ton. We trust their rock will prove rich—although very little idea of the value of gold bearing rock can be learned from assay.

MOUNT DIABLO.—The Contra Costa *Gazette* says that, notwithstanding the prevailing depression in mining interests generally, an increased activity seems to be manifested in the mines about Mount Diablo. The miners there continue to push on their work with unabated zeal, and increased confidence in the ultimate success of their labors in developing valuable and permanent veins of mineral. The Mount Zion company have let a contract to run a tunnel on the vein, for 300 feet. It is supposed by some that the ore taken from this tunnel will be sufficient to pay for the labor performed. Should this be the case, the contractor will realize a clear gain of the price paid him per foot for the work.

In the Keokuk Company the quality of the ore grows better as the tunnel extends, and sanguine hopes are entertained that it will soon become a paying mine.

The Summit of Zion have not only run a tunnel some 270 feet in length, but are now engaged in sinking a shaft on the vein at the extremity of the tunnel, and most excellent prospects are obtained. The company have full confidence in the value of the vein.

The *Gazette* speaks very highly of the newly discovered Elmira lode, to which we alluded in our last, and pronounces the ore taken therefrom the best yet ever obtained from the Mount Diablo mines.

Work has commenced on the Pioneer, by running an incline on the vein. It is quite evident that the tunnels heretofore run have gone too high, going over the lead. By sinking it is expected to reach paying ore in a very short distance.

There are many other claims upon which work is being done. The Surprise is very highly spoken of by those familiar with it; the Superior is taking out very good ore, and a number of others.

REESE RIVER.

Reports from Reese River still continue favorable. If reports from that region are to be credited, Reese River will soon become a noted country for wealth and progress. They claim that their mines are rich at the outcrop and grow richer as they descend. We quote the following from the *Reveille*.

New mills are constantly going into operation. Since our last issue we learn that J. W. Earhart & Co., have their new four-stamp quartz mill in successful operation, which is doing work satisfactorily to those concerned. The proprietors will run it by horse power in a few days and expect to crush 1,000 pounds per day. The stamps weigh 50½ pounds each. Mr. Earhart will build one for the Harding & Diekman mine next week. These we presume are *progressive* hand mills.

J. L. Overton & Co., will build a four-stamp quartz mill, to be propelled by water power, about seven miles east of Austin.

The *Reveille* says that the four-stamp hand quartz mill owned by William Richards & Co., was put to work on the 4th inst., and did as well as was anticipated. It will crush between four and five hundred pounds per day. We hope to see many of these mills in operation. It requires but a small capital and is a splendid investment. Let's have more mills speedily—steam if we can, but hand ones if we must.

The new roasting furnaces at the Oregon mill have been completed, and the carpenters are engaged in erecting a furnace building over them, which will be finished in a few days. The company have on hand, ready to amalgamate, $35,000 worth of crushed and roasted ore, but cannot run to within more than one-eighth of the capacity of the mill on account of the pans being worn out. New tubs will be there and ready for use by the 1st proximo, when they will turn out the silver bricks in quality and quantity that will astonish the natives. The new furnaces will not be used until the new tubs arrive and are put up, as they cannot amalgamate all the ore that is now roasted.

The Oregon mill, says the *Reveille* of the 2d inst., is now working rock that yields $1,500 to the ton. There was 3,407 ounces of bullion left at the assayers from this mill yesterday.

The Oregon, one of the best lodes belonging to the Oregon Mill and Mining Company, has been allowed to lie idle a great portion of the season, but is now being worked again. It may be classed as among the best of the Reese River ledges.

IMPORTANT SALE OF FEET.—The proprietors of the O'Hara ledge, in the Amador District, seven miles from Austin, recently sold to Henry D. Bacon of St. Louis, Missouri, six hundred feet in that ledge for the sum of $32,000. Mr. Bacon is now on his way to Mexico. On his return to Reese River, which will be soon, he will commence the erection of a mill.

J. D. Emmersley having a claim and wishing to test the quality of rock in it purchased a two-stamp mill, constructed by Mr. Atchinson, and is now running it steadily, near D. E. Buel's new residence.

The Buel North Star, recently shipped a very nice brick weighing 600 ounces, being the first that has ever been taken out of the mine, and will not be the last by many thousand dollars.

The Whitlatch Union, up to the 9th inst., had been under its present superintendent but six weeks and the mine had scarcely begun to be developed, yet in that short space of time they had sent forward bullion to the amount $15,000.

The Florida Company have shipped a fine ingot, valued at $400, obtained from between one and two tons of rock. The company have been taking out some very fine sulphuret rock, but were so troubled with water that they have found it necessary to suspend work on the deep incline. They are now taking out some very rich chloride from near the surface.

The Savage claim, located on Austin Hill, is said to be from twenty inches to three and a half feet in width and is throughout remarkably rich. The company is taking out very rich ore. They have recently put up steam hoisting works, the first and only work of the kind in Reese River.

The Esther mine shipped $3,000 worth of bullion on the 2d instant, and will still continue the good work. They have hardly commenced developing the mine yet, and have taken out bullion to the amount of over $6,000.

John Van Valkenberg sold a few days since ten feet in the Fenian Star ledge at $24 per foot, which is considered a very good sale considering the depression of the stock market and that the claim is as yet almost undeveloped.

The Gov. Seymour Company shipped a fine silver brick last week, and the Whitlatch Union sent forward two of the same sort.

OUTSIDE MINES.—All the above noticed mines are located in or directly in the vicinity of Austin. Following hard upon these home developments are those of many of the outside locations. One of the latest and most favorable of these was made in the Ruba lode at the little village of Pizarro, in San Francisco Cañon. The claim consists of only eight hundred feet and is opened by an incline one hundred and twelve feet in depth. At this point water was reached simultaneous with the striking of a rich vein of ore of antimonial sulphurets of silver. The lode is thirty inches in width and furnishes a large lot of first-class ore. A lot of five tons has been brought to a mill in Austin for working and large results are anticipated.

Mr. Boyd, superintendent of a number of claims in Smoky Valley District, exhibited to the editor of the *Reveille* some rich sulphuret ore taken from a ledge lately struck in a tunnel which he is running.

THE PLEIADES.—J. C. Elster arrived in Austin on the 10th inst., with a load of quartz weighing four thousand pounds, from the Pleiades claim in Ione, for the Union mill. Two wagon loads from the same claim and for the same mill arrived two days before.

ESMERALDA.

The Utah Company, on the 8th instant, according to the Esmeralda *Union* paid off all the hands employed in the mine, about thirty in number, in United States coin, without having to levy an assessment for that purpose. Many are disposed to believe that this company has levied its last assessment, and that hereafter the mine will at least pay the expenses of the company.

The Toledo Company is making satisfactory progress, considering the exceedingly hard character of their rock.

THE WIDE WEST.—This mine, says the *Union*, once a general favorite with stock speculators and adventurers, and mining capitalists, is again coming into public favor; and the consideration it receives, and assuredly merits, has not originated from the legerdemain tricks of transmutation practiced with stocks at Broker's Boards, before an observant, though credulous public, but from the acquisition of better information respecting the condition and probable prospects of the mine and mill. With perseverance unflagging, by the employment of men of greater skill and experience to direct operations about the mine and mill, and the practice of better economy, the evil day of the company has passed and a brighter one is succeeding. Through the skill of their new and efficient superintendent, Mr. Leeds, a never failing supply of water has been obtained for the mill, thereby augmenting the value of the property fully fifty per cent; and in his late selection of foreman he has given another evidence of sound discernment, while also of fidelity to the interests of the company. Let other mining companies adopt the policy of the Wide West, viz: employ skillful and industrious superintendents—not men who loiter half their time in the streets, about saloons, or confine themselves to their offices—but active, energetic men—feeling not a languid, apathetic, but vital interest in the welfare and prosperity of the company employing them, and our word for it the company so doing will have occasion to levy fewer assessments on stockholders, and the sooner will become self-sustaining if not dividend-paying.

WASHOE.

The Bullion Company, according to the *News*, from which we condense the following items, has the best machinery and the deepest shaft of any in that vicinity. It is right on the range between the Virginia ledges and the Gold Hill ledges, and yet, we believe, it has never struck anything of much account. It seems almost impossible to miss the lodge which is being sought for, and it is not very easy to account for not striking it before. The general opinion is that the ledge sinks between the Chollar and the Alpha, and that it can be found by the claims lying between only by going very deep. The Crœsus has struck it, but will have to go deeper to get pay rock than the claims north of it have done. The probability therefore is that the Bullion, the Omega, Minerva, and the Superior, will all have to go down 500 or 600 feet to find the ledge, where it will yield pay ore. The company has the necessary machinery to enable it to go down to the required depth.

The work of prospecting, says the Virginia *Enterprise*, has by no means been suspended on the many promising claims about Gold Hill and American Flat. The Crown Point Ravine, the Ureka, Yolo, Jewett, Fair Play, Jackson, Astor and a host of others are actively engaged in the development of their several claims. They are all satisfied that they have a good thing, and are bound to find it or "bust"—pecuniarily—in trying.

The Crœsus Company have their drift down to a depth of 425 feet. The affairs of this company, says the *News*, are managed by men of integrity, honesty, and ability, and who have the confidence of people who have business with them.

The Original Hawkeye company has struck some very fine rock in its claim. The company is confident of finding pay rock. It is having no water in its works at present, and can drive work ahead with rapidity.

The Uncle Sam has struck more water. The water was struck in a drift which was being run from the shaft to the ledge at about one hundred feet deeper than the ledge has heretofore been worked. The company will have a gallery run in and will commence taking out pay rock again in a few days.

The tunnel in the Mary Queen of Scotts claim which was commenced only a few weeks ago, is now in about 110 feet. It has been run along very rapidly considering the fact that considerable part of it has been ran in hard blasting rock. The water increases rapidly, though in hard rock. When the tunnel has been run 200 or 300 feet farther, the supply of water which it will furnish if it goes on increasing at its present rate, will be nearly enough to supply a large mill.

The Milton continues to take out lots of splendid rock, and to supply two or three mills, the average yield of a number of tons of mixed rock which was worked at one of the mills, was about $35 per ton. That is pretty good, and is sufficient to leave a large margin for profit.

The Chollar Company is at work again. It has received its new shaft, put it in, and made all repairs and preparations necessary for a long run. The company is now hoisting the rock which has been taken out and stowed away in the mine, during the time the machinery has been lying idle.

The Belcher Company, according to the *Enterprise*, are progressing finely with their work. The last lot of rock taken from the lower part of the mine—amounting to six tons—was crushed separate from that taken out above, in order to test the value of the vein at the greatest possible depth. The ore was crushed at Hurd's Eureka Mill and yielded $770 per ton. The company have just ordered a new engine and boiler, to be used in connection with their present machinery whenever it may become necessary. As soon as their new machinery is started, the company will be able to supply more than twice as many mills as are present running upon rock from this mine—also to supply them with richer rock, as it will come principally from the lower level.

NEW DISCOVERY.—The Virginia *Union* of the 14th inst., speaks of some beautiful specimens of quartz shown by G. R. Godfrey, and taken from a lode discovered on the west side of Pueblo mountain, near its north end, which runs through the very heart of it, and is enclosed in a blue granite and limestone formation. The vein is one hundred feet wide, and these specimens are croppings knocked off with a shovel. He has prospected Pueblo mountain from one end to the other, and the mineral belt is fifteen miles long, and, at the north end, four miles wide, and his opinion is that it is the most extensive mineral bearing mountain yet discovered on this continent.

HUMBOLDT.

We clip the following items from the Humboldt *Register*:

The El Dorado Company is in excellent spirits. The workmen recently struck the Banner ledge, finding it six feet wide, and closely resembling the rich ore of the De Soto. The company is in excellent financial condition, and will undoubtedly arrange to work the ledge right along, furnishing ore to the Sheba mill.

THE EMPIRE.—This is the name of a ledge in Indian District, a short distance from Unionville, formerly held by the Freeman company. An incorporation was recently effected under the title of the Empire Company. A superintendent was elected, and work is to be commenced at once. The claim consists of 1500 feet, the stock divided into 1500 shares of $100 each. The ledge crops "high and clear," eighteen inches wide on the top, and the ore can scarcely be distinguished from that in croppings of the Moonlight.

The Inskip ledge is coming in again all right, at the end of the tunnel. Judging by common report, we suspect the work in this claim has not been very gloriously bossed. Practical men say the workmen could just as well have been taking out first rate ore during the past three weeks, and improving the mine at the same time—simply by sinking in the ledge, instead of running the mole hole they have, just under the grass roots. We hope to see it turning out brisk again, without any further delay.

THE best vinegar used in France is made from grapevine stalks.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

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☞ FOR NEW MINING ADVERTISEMENTS see last page.☜

San Francisco:
Saturday Morning, Aug. 20, 1864.

MONEY MARKET.

The most interesting event in financial and business circles this week, has been the decision of the Suprems Court affirming the validity of the Specific Contract Law. Two legal questions were settled by the tribunal of vital interest to California. The constitutionality of the act of Congress, authorizing the issuance of a currency and making it a legal tender for the payment of all debts, there being no contract for the payment of gold, was also sustained, and the lower courts were instructed to act in conformity with this interpretation of the law. This vindication of the sovereignty of the National Government, as well as the constitutionality of our own laws is received with much satisfaction in this city, and cannot fail to have a good effect in giving greater activity to capital, and inspiring confidence generally among business men. The large amount of money hitherto unemployed and lying in the vaults of bankers and others in San Francisco, because of the fear that the Special Contract Act could not be legally enforced, will now seek an outlet and result in stimulating many enterprises requiring the aid of capitalists, and also, have a tendency to lower the rates of interest for regular business purposes. The money market is already sympathizing with this expected movement and no stringency is visible in any quarter. The current rate in bank is still 1½ per cent. per month. The continued buoyancy in the stock market imparts a very cheerful feeling to all dealers in first class shares, many of whom can now obtain facilities from money leaders that were rigidly denied them a short time since. We learn of some important negotiations based upon mining stock collaterals at 2@2½ ₱ ct. per month, and in some few instances loans were obtained at 1½ per cent. per month, the margin from present market value being ample.

LAUNCHES.—We have had two steamboat launches, at the foot of Third street, the past week. The first, a new tug boat, intended for Puget Sound trade, was launched on Tuesday evening last. She is owned by Pope & Talbot, who have not yet determined upon the name of their new craft. Her dimensions are: length, 130 feet; beam, 26 feet 8 inches; depth, 8 feet 4 inches. Mr. D. Marcuci is the builder. The boilers were made at the Pacific Foundry. She carries two 16 inch cylinders of five-feet stroke, and is very stoutly built.

The second, was the fine steamer built for the Stockton trade, by the California Steam Navigation Company, a description of which has already appeared in the PRESS. She was successfully launched on Wednesday evening, and christened "Julia."

Gold in New York.

Monday, Aug. 15	256½
Tuesday, Aug. 16	256
Wednesday, Aug. 17	256¼
Thursday, Aug. 18	256

Legal Tender Notes.

San Francisco, Friday, Aug. 19..... 39 per cent.

A BIRD'S EYE VIEW OF BUSINESS.

A wonderful improvement is manifested in the various departments of general traffic since the confirmation of the validity of the Specific Contract Law. Confidence which was wavering has been restored—money long locked up, or buried in the sand is now offered at current rates of interest. Merchants find no trouble in obtaining all the money they want for legitimate business purposes. The North coast is drawing large supplies of merchandise from us, and at the same time remitting freely of Bullion.

North Mexico is also sending us full supplies of her treasure, and taking in turn liberal stocks of goods. Washoe and other distant mining regions will soon be heard from, for their fall and winter supplies. In the interim our merchants are busy laying in stocks and preparing for an active fall trade which must soon open.

Our stocks of general merchandise are large and prices in the main low. This is particularly the case in regard to all foreign goods, as well as those from domestic supply ports. The contrary is the case in regard to domestic produce—which is owing to the short crop.

Take it all in all, our gold prices compare favorably with the inflated currency rates ruling in the Atlantic States, and ought to satisfy every one that gold and silver is the best for California.

EASTERN FINANCES.

We are in receipt, per the overland mail, of New York advices to the 25th ult. At that date the money market was less stringent than for some time previously and continued ease was looked for. The Treasury Debt was paying out the compound interest notes very freely as well as the reserve of legal tenders. Mr. Fessenden, during his recent visit to Wall street, expressed himself opposed to any farther increase of the currency, but probably now feels that it is impossible to float his 730-100 loan on a tight money market and therefore he must make it easier before he can hope to have it taken at par. The most gratifying feature of the Stock Exchange was the increasing demand for government securities and the rapid recovery of the several descriptions which had been temporarily depressed by the stringency of money, the consequent depression of business, the general diminution of confidence, and the incertitude as to the future policy of the new Secretary of the Treasury.

The Bank statements of the three principal cities were as follows on the 19th of July.

	Depositors.	Loans.	Specie.	Circu'n.
New York,	$151,816,947	$199,043,887	$21,234,354	$4,724,538
Boston,	30,534,051	66,079,329	6,246,319	9,890,372
Phila.,	36,462,271	40,733,324	3,948,440	2,208,368
Total,	$218,863,269	$305,856,540	$31,429,113	$16,822,978

The following shows the aggregate national debt as compared with former official statements.

	July 19.	July 12.	June 14.
Total,	$1,796,213,366	$1,795,033,569	$1,719,395,168

QUICK TIME TO ARIZONA.—A lot of freight which left this city on the Sovereign, was landed at La Paz, Arizona, in just twenty-eight days from this port. It was taken from the mouth of the Colorado to La Paz in the steamer Cocopa. This expeditious delivery of freight in Arizona, and all along on both sides of the Colorado, is the result of the determined effort of persons in this city acting conjointly with others located on the Colorado, for the establishment of an opposition line of steamers on the Colorado river. Four boats are now running on that river, and freight which formerly occupied five and six months in transit, is now taken to its point of destination in less than one month, at about one half the former cost.

ONE of the most daring attempts at robbery and murder ever recorded, occurred in this city on Wednesday last, on Commercial street, a few doors from Montgomery. The attempt was made between two and three o'clock P. M., in the immediate neighborhood of the busiest and most frequented locality in the city. The perpetrators, for in all probability there must have been more than one, are not known.

BRING OUT THE FIGURES!

SACRAMENTO, August 17th, 1864.

EDITORS MINING AND SCIENTIFIC PRESS:—As your paper is devoted to the mining interests, and by exposing all wrong doing connected therewith you benefit the public, I desire you to make an *expose* of the way the officers of the Coso company have managed affairs. The mine has been assessed $43,200 within the past year, and now the stockholders are informed by the papers that a judgment has been rendered against the company for $17,000! I would like to have the officers of the company give an account of their stewardship. Perhaps they are honest and have conducted the affairs of the company properly, but as I am a stockholder, and in the dark, I call for a truthful statement. Let them show in your paper how the money has been disbursed.

A STOCKHOLDER.

We cheerfully give place to the above communication from a "stockholder" in the "Coso" mine. The information he desires should be given, promptly and in full. We have no personal knowledge of the amount of money which has been called for by this company, but presume our correspondent is correct. The amount which he names $43,200, would be just $12 per share. It is right and proper, without supposing that any part of this money has been improperly applied, that our correspondent, or any other stockholder in that mine should be informed as to the manner in which this large amount of money has been expended. The columns of this paper are at the service of the officers of the company free of charge, if they will give a statement of the affairs and condition of the corporation to their stockholders and the public. Since the recent extraordinary *expose* of the affairs of the Grass Valley company, by which the stockholders of that concern have been assessed to the amount of unknown thousands, for the benefit of private parties, or at least for no proportionate benefit to the mine, holders of mining stock generally have begun to discuss the affairs of the various companies in which they are interested, fearful that in other cases, also, figures may be made to mean other than that which they seem to read. People are casting about to see if some plan cannot be devised, by which, from time to time, stockholders may be advised of the manner in which the money that is drawn from them in the way of assessments, is being expended. In order to meet this sudden and urgent want, and to encourage the initiation of a practice which, more than almost any other, will put an effectual check upon a criminal or reckless expenditure of money by dishonest or incompetent mine managers, we hereby tender, for the time, the free use of the MINING AND SCIENTIFIC PRESS for such a purpose. This paper has now a wide and general circulation, both in this city and throughout the mines, and will be found a most convenient and appropriate medium for the communication of the information so earnestly called for at the present time. There is no law to compel the publication of such information, but such a course is both wise and proper. Let any one company set the example and others will follow; many freely, and eventually, under the pressure of circumstances, all which can make an honest showing. Those who cannot or will not allow the public to know what has been done with the money which has been collected from stockholders, should be set down as swindling institutions or, at least, as corporations from which all confidence should be withdrawn.

That money has been and is still being squandered with a recklessness, which scarcely has a parallel, is a matter of notorious fact. It is high time some decided steps were taken to put a stop to extravagant and unnecessary as well as dishonest expenditure of money collected in the way of mining assessments. No time better than the present for a general call for an account of stewardship. Mistakes may have been made—honestly made; considerate men will overlook them. But let woe betide the dishonest, swindling managers who have grown rich, or put money in their pockets at the expense of duped stockholders, who have paid their assessments with the expectation of an honest expenditure of the money so collected. Let the big companies be called to account as well as the little ones. Let it be demanded why the Gould & Curry suddenly fell off from $150 to $50 per foot, in its monthly dividends. Why is it that such reports as were given in the last *Weekly Stock Circular*, are freely circulated in the community without any attempt at explanation. There is good reason for believing that material facts relative to the actual condition of this mine are suppressed, from the fact that stockholders have been denied the privilege of personally examining the developments now in progress at the mine. For whose benefit are the damaging reports with regard to this mine allowed to go abroad? Are they founded on fact or are they not? A plain and honest answer to this last question can be easily given by the managers of the Gould & Curry mine if they choose. That answer would be worth hundreds of thousands of dollars to ontside stockholders who are now kept in ignorance with regard to the value and condition of their property, while the managers, who have the inside track, know exactly what to do, when and how to sell, and when and how to buy. Such reticence on the part of the management of that mine may be strictly within the bounds of law; but is it honest?

Take our progressive Companies. The Hale & Norcross officers perhaps decide to levy an assessment of $20,000 to-day, next month they levy $20,000 more, and perhaps $10,000 the next, and so on for one or perhaps three years. What becomes of this money? The directors may be honest and apply the entire amount judiciously and honestly. But why not let the stockholders know how and for what they expend the money? Explain why so much money is called for and no bullion returned out of which dividends may be declared. Perhaps if a fair and full statement were made the stock would go up instead of down—at any rate buyers and sellers could see more clearly how to act, and buying and selling the stock would partake less of the nature of gambling. Again let us take the Challar. Forty dollars a foot assessment, twenty dollars, sixty dollars; and so on until the amount has run up to $320 in all. Four hundred and forty-eight thousand dollars is a large amount to draw out of the stockholders of one mine before the first dollar is returned in the way of a dividend. It may be all right, perhaps, having that $50,000, more or less, for a house for the superintendent of a non-dividend but high salary-paying mine, to live in. So we might go on with numerous other, both big and little companies. What has become of all the millions of money that has been thus expended. A bare moiety, only, has been accounted for by those through whose hands it has passed, except perhaps, on the books of the company, which are seldom ever looked at by any but the secretaries and directors. Nobody else, of course, has time, and few the capacity to take a set of books and learn therefrom, without the aid of a balance sheet, where or how the money has gone. Now why not have all this information placed before the public, at frequent intervals? It can do no possible harm, and cannot fail to do much good. Its cost would be little or nothing; and absolutely of no account compared to the advantages which would be derived therefrom, even if the company were obliged to pay a good round price for spreading such information before their stockholders. A few companies have set an honorable and praiseworthy example in this particular. Why not make the neglect to do so the exception instead of the rule? Such a proceeding would make some terrible disclosures no doubt, but even the sick ones would be benefited, while the rotten, swindling, wildcats would be exterminated. Why not bring public opinion to bear upon the matter with a force which will compel such a course? It is the only course we can see for bringing our great mining interest out of the slough in which it is now struggling, and placing it upon a firm foundation. It is the only condition under which people will any longer consent to pay assessments in mining enterprises outside of their own personal control.

THE PAVILION AND FAIR.

The carpenter work upon the main portion of the Pavilion is nearly completed. The interior looks "grandly spacious." The nakedness of the walls and beams is being relieved by festoons, wreaths and dresses of evergreens. A large steam boiler is being set up on the outside of the building to generate steam for the propulsion of such machinery as may be placed on exhibition for working purposes. A new and extensive wing is being added to the west end of the main building, and is in a forward state of completion. This addition has been rendered absolutely necessary to accommodate the great demand for exhibition room which is constantly crowding upon the Executive Committee. The Pavilion will undoubtedly be filled to its utmost extent.

Mr. Porter, the Agent for the Fair, requests us to urge upon such as intend to bring articles for exhibition, to apply at the Mechanics' Institute, on California street, above Montgomery, as soon as possible, and enter their names, as there is not much time left, now, and it is necessary for him to begin very soon to apportion the departments in the Fair building and allot to each exhibitor the position in it which he is to occupy. This allotment will begin on Monday or Tuesday next. There are many who have been talking about exhibiting and intend to do so, but who, by a little longer delay may lose the opportunity of securing such space as they may desire. It is for the benefit of such in particular, and all others as well, that this especial notice is made. It should be recollected that Mr. Porter, after the present week, will have a vast amount of intricate business on his hands, and cannot possibly devote that attention to late comers, which would be desirable.

We would, in this connection, remind our interior exchanges of the propriety of calling the especial attention of their readers to the early opening of the Fair. The low rate of traveling on the Sacramento river, the grand entertainments that will be presented at the Mechanics' and Christian Commission Fairs, the wonderful mechanical curiosity in the shape of the huge iron Monitor which is fast drawing to a completion at the foot of Third street, and the numerous other attractions of our city, which offer great inducements to our friends in the interior to embrace the present opportunity to make a visit to the "Bay." The Grand Exhibition of the Mechanics' Fair will commence on Tuesday, the 30th inst. Access to the Pavilion is especially easy, as the horse cars from Kearny and Front streets pass directly by the Pavilion every five minutes, affording conveyance to visitors from four different extremes of the city.

FINE COPPER ORE.—Our attention was yesterday called to some fine copper ore—a lot of about two tons—which has just been received from a newly opened mine, known as the "Rising Sun," located on Moccasin Creek, Tuolumne county, about sixteen miles south from Copperopolis. The mine has only been opened by a tunnel, 70 feet in length, connected with a shaft which has been sunk on the vein 54 feet. The ore which we saw was all taken out in sinking the shaft, no drifting having yet been attempted. It is of a very superior quality of sulphurets, accompanied with black oxyd, occasionally showing the peacock color. The vein is from eighteen inches to two feet in width, the ore perfectly concentrated, without any appearance whatever of rock or muudic. The company is not incorporated, and is in the hands of only three parties—Daniel Munn and John Ford, residents at the mine, and Messrs. Hunter, Waad & Co., 612 Front street in this city. The ore can be taken out and delivered here for about $20 per ton. The entire mass as it is coming from the mine at present will assay over 30 per cent. The claim is 3,000 feet in extent, with croppings traceable for 1,200 feet on the surface. The proprietors certainly have a most promising thing They have no stock for sale.

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

IMPROVMENTS IN MINING.

Improvements in mining are often announced which, on examination, are found to be improvments in metallurgy—methods of reducing rather than of extracting ores. In California and Nevada, great and constant efforts are being made to work ores more cheaply or more profitably, while very little attention seems now to be given to diminishing the cost of mining. This labor seems to be regarded as inevitable, although it constitutes the major part of the cost of most metals

In "placer mining," great improvements have been made. The pan has given place to the rocker, the long-tom and the sluices; and then the hydraulic system was introduced. The change was all in one direction, viz: the substitution of water power for hand power. The greater efficiency of the methods thus introduced, is so far compensated for the exhaustion of our gold fields, that wages have remained almost unchanged in our mines for many years past. No similar improvement in underground mining have as yet been made in this State. And yet, it is by no means impossible that they *may* be made. It is certain that in no other country would their adoption be so profitable. A reduction in labor that would be regarded as trifling in Europe, would here pay for costly materials or machinery. Blasting constitutes a very large share of the underground work of the world. Europeans are actually engaged in improvements in this direction. We have given some report of their progress in another column, under the head of "Gun Cotton in mining."

The Sooke Mines—Trap Dykes.

EDITORS MINING PRESS:—The trap dykes and metamorphic rocks of the Pacific coast are entitled to consideration, as some of them are found to be metalliferous. They are more recent than the coal formation. The gold found at Sooke is near one of these dykes, which is the largest basalt dyke I have seen on the coast. It runs across the entrance of the straits of Fucca, from the American side, where some gold has been found; but not in sufficient quantity to pay for mining. All new places must have their excitement, and I think that the excitement with regard to Sooke will be short. There are mines of lead and copper on Vancouver's Island, which are more inviting than these gold mines. In Bellingham bay there is gold overlaying the coal. The quartz boulders noticed there I think are drift. There is a large coal field underlying Puget Sound, and running north to the Russian possessions, also some very large veins of lignite fifty feet thick. There are coal veins (bituminous) twenty feet thick.

Mount Diablo is another instance of the value of our trap dykes and metamorphic rocks. In fact the Coast Range seems to be nearly all more recent than the coal formation, and may be classed as a large "fault," to use a coal miners term. Wherever there is any considerable extent of country that is not broken by one of these upheavals, there coal will be found. In some places it has been "thrown" for the space of one half mile. But this subject is too important for my present time. We have scientific men on this coast. Is the subject not worthy their attention. Yours

CLAYTON.

A NEW IDEA—The Sacramento *Bee* says it has been suggested by a citizen of much practical experience, that in lieu of the present dredging machine used by the Navigation Company in stirring up the the deposit in the Sacramento channel, that a fire engine with proper length of hose and nozzle would throw on a stream of water with sufficient force to sluice out the channel to any required depth. This was the course pursued in removing the tough clay bed under the Aquilla, and it was crowned with perfect success? Why not try it?

TREASURY AND MERCHANDISE FROM MEXICO.—The John L. Stephens, which arrived on Thursday, brought from Mexican coast ports $208,985 in treasure; also, four hundred and fifty-two bags ore, forty-three bales cotton, and five bales cotton seed.

Among the ore by this arrival was 6000 lbs. of choice ore from the La Faverita. Ore from this mine will be shipped regularly, in future.

Mobile and Its Defences.

The recent announcement of the complete success of the Federal fleet in passing the defences of Mobile harbor, capturing two and investing the third of the three most powerful of the principal forts, gives particular interest to the following item relating to the defences of that harbor. The information given was furnished to the N. Y. *News*, by a French subject, who has been for a long time a dry goods merchant of Charleston, and who has recently found his way out of the Confederacy. In giving a somewhat extended notice of the general defences of the Southern Coast he described as follows those of Mobile harbor:—

The great Southern stronghold and port of Mobile, he found in the most complete condition of defense, declaring it to be superior in that respect to the fortified harbors of his own country, Toulon, Brest and Cherbourg. The rebels there have a continuous girdle of forts and works linked together, and line within line, commanding all conceivable points of access for a circuit of fully fifteen miles. In the forts commanding the outer approaches he saw and counted no less than fifty gigantic pieces or ordinance, after the latest and most approved English and French patterns, some of them throwing steel bolts of 150 lb., which their officers declared would go through any iron-side or monitor in the world, "as a bullet would go through a cheese." Aiding these defences were obstructions, torpedoes, and floating batteries at every available point, and to sustain them all, four huge iron-clads with a thickness within and without of eight inches of metal, fully manned and equipped with rifled ordinance, throwing explosive steel bolts. Our informant saw no less than eight other iron-clads and swift gunboats in progress of construction and nearly completed, and when he was in Mobile, although the garrison at that place was not 15,000 men in all, they derided the efforts of Farragut and Sherman, and boasted long and loudly of the part their fleet would play, ere the summer shall have passed, in the destruction of our blockaders and the recapture of New Orleans.

IMPERIAL DIVIDEND.—The Imperial Silver Mining Company of Gold Hill, says the *News*, have declared a dividend of six dollars per share, or one hundred and twenty dollars per foot, leaving a large sinking fund on hand. This company have been opening their mine for some time so as to get at the large body of pay ore, in quantity, and now can pay a regular monthly dividend to its shareholders. One by one the Gold Hill mines are falling into the line, and petering out monthly dividends, that will aid in restoring the confidence temporarily lost in good mines.

NOT VERY COMPLIMENTARY.—The famous English firm of Laird & Co., of Liverpool, were recently the subject of some remarks in the House of Lords, which were not particularly complimentary. The remarks were made by no less a personage than Earl Russel who said distinctly that this celebrated ship building firm were not to be believed when they give evidence, no matter how loudly they protest. The noble Earl says they are not so innocent of illegal transactions of the sort now charged to them, as to be credible witnesses, and accepting their testimony as truthful, would have been to open the road direct to a war with the United States. Quoting verbatim, his most emphatic words are: "They, (the Lairds) have done everything in their power, by fitting out ships, by engaging in contracts for supplying vessels of war to the other belligerent, to give the United States a just cause of war against this country."

THE San Fraacisco and San Jose Railroad is said to be paying $26,000 per month over running expenses. If so why is it that the stockholders are not getting dividends?

ON Reese River there are twenty-five hot springs, from milk warm to boiling hot, and they measure from ten to one hundred feet in diameter, and from one hundred to one hundred and eighty feet in depth.

The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also—ENS. PRESS.

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

"Daily Mechanics' Reporter."

— OF THE —

INDUSTRIAL FAIR.

A FREE DISTRIBUTION AND IMMENSE CIRCULATION!

DEWEY & CO., Publishers.

THE PROPRIETORS OF THE MINING AND SCIENTIFIC PRESS, having been granted the publication of the above daily, at the MECHANICS' INDUSTRIAL FAIR PAVILION, will print the *largest and most extensively circulated* "Fair Paper" yet issued in this State. Every lady, gentleman and child visiting the Pavilion will be supplied with copies for themselves and absent friends as the sheets are issued from the press. It will prove a valuable record and illustration of the Grand Industrial Exhibition of 1864; its columns will reflect every event and incident of general interest transpiring each day during the Fair, and many copies will be preserved and bound by exhibitors and others. Inventors and Patentees having articles deserving of illustration, should make arrangements to have their engravings prepared at once.

☞ A limited number of advertisements will be received for insertion in the REPORTER, thereby presenting a rare and valuable opportunity to advertisers.

Application should be made early to

DEWEY & CO.,
Publishers and Patent Agents,
Office of the Mining and Scientific Press, Nos. 14, 56 and 57 Government House, Corner Washington and Sansome Sts.

MINING ACCIDENTS.—A rock weighing fifty pounds fell down the shaft of the Central Hawkeye claim, in Virginia, on Friday of last week, striking one Thomas Bean on the head and nearly killing him.

TO BE REFITTED.—Capt. Sayward who purchased the famous ship *Aquila*, is about refitting her. She is to proceed to Mare Island to be docked. It is said that she is to be made as "good as new," and is to go into the lumber trade.

SOMETHING WORTHY TO BOAST OF.—The Mormons boast that there are one hundred thousand people in Utah, and yet in all their settlements there is not to be found a drinking saloon, a billiard-saloon or bowling-alley.

TWO NATIONAL ACADEMIES.—On the 30th of June Senator Sumner introduced a bill for incorporating a National Academy of Literature and Art, and a National Academy of Moral and Political Sciences. The bill was read twice and ordered printed.

LOW WATER.—The streams every where are getting extremely low. The Carson river is so low that the mills that obtain their water from it have been compelled to suspend half their stamps, while a great many have stopped altogether.

THERE is a tax of five per cent. laid on the re-setting of diamonds. For simply changing the form of diamonds, worth five thousand dollars, the snug sum of two hundred and fifty dollars accrues to the Government, whereas if the owner wear them in their old settings they escape the collector.

PETROLEUM IN BRITISH COLUMBIA.—It is reported that several acres of ground have been discovered near Lillooet, in British Columbia, covered with black bituminous substance supposed by the finders to be petroleum, or coal oil croppings, as they call it. By others it is thought to be the ordinary asphaltum. A quantity has been sent to the Government house for analysis.

DROUTH EVERYWHERE.—California is not the only land suffering from the drouth. The New York Tribune of the 16th ult., says that the damage to farmers from the prevailing drouth can never be estimated in dollars and cents. It would go largely up among the millions, if it could be calculated. It prevails over a wide extent of country, reaching from Maine to Minnesota.

THE Stockton *Independent* suggests there should be a room, securely fastened, fitted up on the California Steam Navigation Company's boats, for the conveyance of lunatics to that city, so that they could be kept secure from contact with the other passengers.

ELECTRICITY APPLIED TO FISHING.—An exchange of the London *Field*, states that for some days past a stranger from Paris has been making experiments with electric light in fishing, off the English coast. The fish, attracted by the light, come in shoals to the surface of the water, where they are taken without any difficulty with the net. The steamer Ranier, of the coast guard service, has been placed under the direction of the stranger, to continue his experiments.

WHAT WE WANT TO MAKE TIMES GOOD.—The Esmeralda *Union* very correctly says that what is wanted to make times good over the mountains is, chief of all, that all litigation should cease and that companies at law may not be compelled to suspend work on rich ledges. The probability of the early approach of such a desirable event may be inferred from the information contained in the following item, which we clip from a late number of the Gold Hill *News*:—

We are told by Mr. Clagett, a lawyer of Virginia, that there are upwards of one thousand cases upon the calendar of the District Court of Storey county, awaiting adjudication. Judge North has left the Territory for his health, and under these circumstances—there have been but three civil cases disposed of since January—will anybody figure up and inform the public when the calendar will be cleared, when litigants will know what their rights and property are? The "issue" is, indeed, afar off, if the people submit quietly to be hamboozled with a Judge, who either will not, or, for reasons best known to himself, cannot hold Court; is there any wonder that there is a financial crisis upon the people, the end whereof seems to be in the far-off future.

OTIS V. SAWYER,
NOTARY PUBLIC,
And Commissioner for Nevada Territory.
Office, 608 Montgomery street, San Francisco.

Having resigned my Notarial Commission, I solicit for my late partner, OTIS V. SAWYER, from the community, and particularly from my individual friends, their patronage in all things that require the services of a Notary Public. (23 4t) W. W. WIGGINS.

COMMISSIONER OF DEEDS
For Arizona Territory,
B. W. MUDGE,
No. 528 Clay street, San Francisco.
16v8-3m

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for Nevada Ter.
Office, Montgomery Block, 630 Montgomery Street,
10v8-2in SAN FRANCISCO.

MUTUAL
Life Insurance Company,
—OF NEW YORK—
Capital, : : : : : : $9,750,000.
H. S. HOMANS, Agent for California.
613 Montgomery corner Merchant street, San Francisco.
3-tf

D. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

WM. H. H. FALL,
Commissioner for Nevada Territory
Office, 728 Montgomery St., San Francisco.
1v9m

RICHARD S. CLARK,
MINING SECRETARY,
Accountant and Copyist,
Office, No. 610 Merchant street.
N. B.—Mr. Clark has also a commodious room, to rent for annual and Special Meetings of Companies at any hour of the day or evening. 19-3m

THOMAS HILL,
Member of the S. F. Stock and Exchange (1st) Board.
A. H. MURDOCK,
Member of Stock Exchange,
No. 623 Montgomery Street, Opposite Montgomery Block,
SAN FRANCISCO.

REMOVAL.
J. R. BEARD, STOCK BROKER,
MEMBER SAN FRANCISCO STOCK AND EXCHANGE BOARD, HAS REMOVED HIS OFFICE TO
6v8-tf No. 707 Montgomery street, Brokers Block.

H. HOCHHOLZER,
Civil and Mining Engineer,
Office, Roo's New Building, B. Street, Virginia City.
PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOGRAPHICAL MAPS AND MINING ENGINEERING IN ALL ITS BRANCHES.
☞ Reference given where required. ☜
26-3m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.
Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

WARRIN, SMITH & CO.,
Commission Merchants,
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers. Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

L. D. FINE. JAMES A. OWENS.
OWENS & FINE,
Mining Secretaries, Real Estate and
General Agents,
WILL ATTEND TO DRAWING MINING STOCKS, PAYING ASSESSMENTS, BUYING AND SELLING STOCK LOCATED
IN ALPINE COUNTY.
OFFICE.—Mammoth Hotel, Main Street, between Second and Third, Silver Mountain. 20-3m

C. A. CRANE. A. E. CRANE.
CRANE BROS.,
Stock and Exchange Brokers,
No. 614 Montgomery st., Stall No. 5, Stock Exchange, San Francisco.
☞ All kinds of Stocks Bought and Sold on Commission. ☜
14

D. NORCROSS,
MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.
aug17-tf Masonic Temple, No. 6, Post Street.

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. 12-tf

HENRY V. POSER,
Ornamental Plasterer.
No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.
OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.
☞ Terms Moderate. ☜ 2-1m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.
THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLUROICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
416 & 0. B. HITCHCOCK & CO.,
2-1m 413 and 416 Sansome St., cor. Commercial, S. F.

NATHANIEL GRAY,
General Furnishing Undertaker,
641 Sacramento St., corner of Webb, San Francisco. 1

JOHN DANIEL,
(SUCCESSOR TO O. GORI)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 6v8-3m

SQUARZA'S PUNCH.
FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
No. 44 Leidsdorff street, opposite the What Cheer House,
12-tf San Francisco.

Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gummy Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
11v8-m 313 and 315 Davis Street, San Francisco

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

STEEL! STEEL!! STEEL!!!
OCTAGON, 7-8, 1in, 1 1-8,
SQUARE, 3-4, 7-8, 1in, 1 1-4in.
For Sale in lots to suit Purchasers by
J. S. CURTIS.
Office, 405 Front street, San Francisco. 6v8tf

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By **FRONTIER & DEVIERCY.**
437 Pine Street, San Francisco.
au31tf.

WM. T. COLEMAN & CO.,
70 WALL STREET,
NEW YORK.
BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.
Buy and sell Exchange on California, Oregon and Western Cities.
Grant Letters of Credit, available in any part of the United States.
Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.
Receive consignments of produce from California and Ports in the Pacific.
Make advances upon approved merchandise consigned to our San Francisco house.
Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.
Buy and sell and charter Vessels for all trades.
AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.
Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. the par value is always required.
We beg to say, our house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,
70 Wall street, New York,
18v8 And California and Front streets, San Francisco.

Advance Made on Copper Ores,
WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.
WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,
PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco,

JUST PUBLISHED,
By H. H. BANCROFT & CO.,
MINING LAWS AND FORMS,
THIRD EDITION, REVISED AND ENLARGED,
COMPILED BY H. B. CONGDON.
This edition contains all the Laws of the State of California and of the Territory of Nevada, relative to
MINING CORPORATIONS,
Canal Companies, Assessments, Transfer Agencies, Changing place of Business, Mineral Lands, Actions respecting and conveyances of Mining claims, Taxation, Foreign Miners, Etc., Etc.
TOGETHER WITH THE
Mining Ordinances of Mexico
—AND—
Recent Decrees of the Mexican Gov'mt,
Forms for the Incorporation of Mining Companies, and a Digest of the decisions of the SUPREME COURT of the State of California, Relative to Mining Corporations and Mining Interests.
16mo, flexible cloth, 192 pp. $2.50.
For Sale at all the Bookstores. 1tf

A. S. HALLIDIE & CO.,
Wire Rope Manufacturers,
Established 1857.
Office, No. 412 Clay street—Works, North Beach,
SAN FRANCISCO.
After seven years' use throughout the State of California and the Pacific Coast generally, we can confidently recommend Wire Rope for
HOISTING FROM DEEP MINES,
GUY ROPES FOR DERRICKS, &c.,
STANDING RIGGING FOR SHIPS,
FERRY ROPES FOR FERRIES,
SASH CORD FOR WINDOW SASHES,
ETC., ETC., ETC., ETC., ETC., ETC.
It being Cheaper, Stronger, Lighter and More Durable than any other kind of Rope, and not stretching or shrinking by atmospheric changes.
MINING COMPANIES, by using it for Hoisting Purposes, save 66 per cent. on their outlay for other ropes.
Wire Fencing Strand,
For fencing large parcels of land—permanently, economically and expeditiously. Manufactured in any length desired.
Pamphlets containing weight, strength and price, forwarded free on application to the Manufacturers.
WIRE SUSPENSION BRIDGES AND AQUEDUCTS
We are prepared to erect, of any span and capacity, and take pleasure in referring those interested to the many structures of this kind built by us in California, Oregon and British Columbia, of span from 200 to 400 feet. 3-3m

POWDER!
The California Powder Works,
Office, No. 312 California street.
ARE NOW RECEIVING FROM THEIR MILLS AT SANTA CRUZ, REGULAR AND AMPLE SUPPLIES
—OF—
SUPERIOR
MINING AND BLASTING POWDER,
Which they offer to the trade and to consumers with full guarantee of its quality in all respects.
4-tf J. A. PECK, Agent.

Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.
JARVIS JEWETT, AGENT.
629 Washington Street, San Francisco, Cal. 10v8-1m

GOVERNMENT HOUSE.
Northwest corner Washington and Sansome streets San Francisco.
Sixty-Four Rooms and Offices, in Suits or single
THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.
C. A. CRANE, Proprietor.
JOSEPH O. COLLINS, Superintendent. 3-3m

Owen's River Canal Company.
FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.
Office of the Company No. 325 Montgomery street. 1tf

DECLIVITY OF RIVERS.—A very slight declivity suffices to give the running motion to water. Three inches per mile, in a smooth, straight channel, gives a velocity of about three miles an hour. The Ganges, which gathers the waters of the Himalaya mountains, the highest in the world, is only about 890 feet above the level of the sea, at the distance of 1,600 miles from its mouth, and to fall these 800 feet in its long course, the water requires more than a month.

The great river Majdalena, in South America, running for 1,000 miles between two ridges of the Andes, falls only 500 feet in all that distance! Above the commencement of the 1,000 miles, it is seen descending in rapids and cataracts from the mountains.

The gigantic Rio de la Plata has so gentle a descent to the ocean, that in Paraguay, 1,600 miles from its mouth, large ships are seen which have sailed against the current all the way by the force of the wind alone; that is to say, which on the beautifully inclined plane of the stream, have been gradually lifted by the soft south sea breezes, and even against the current, to an elevation greater than that of our loftiest spires.

FANNY FERN thus beautifully expresses the feelings of utter loneliness and desolation—the "strong yearning and passionate pain," of those who are written homeless: "We sometimes think it is only the homeless who can understand in its full meaning, the word 'Home.' Think what it must mean to those whose desolate hearts no smile cheers; who pass daily thousands of their fellow creatures intent on their errands of business or pleasure, to whom their life or death is a matter of no moment; who look into the pleasant windows as they pass, and see the well-filled table, while they hunger and thirst, but often more eagerly for companionship than food. Then think what it must mean when sickness and death shall come, and life ebbs slowly away, and the ear aches listening vainly for a friendly footfall, and the soul faints with longing for a kindly pressure of a loving hand, as the dark valley appears in sight. Ah! well for such when this poor life is over, and the brightness of another existence dawns upon the soul."

PEACE PROSPECTS.—The Washington editorial correspondent of an evening cotemporary appears to think that the acquisition of peace at an early day, and on the basis of honorable negociation, which will be acceptable to both North and South, is not at all an improbable event. Mr. Greely, of the *N. Y. Tribune*, also appears to share in the same opinion. In a late editorial referring to the part he acted in the recent attempt at negociation at Niagara, Mr. Greely intimates that he is in possession of more information in relation to the prospects of peace than he is at liberty to communicate, and closes his editorial with the following significant words:—"All that I can now add is my general inference that the pacification of our country is neither so difficult nor so distaut as seems to be generally supposed."

ANOTHER experiment in Artesian well boring is to be made in Los Angeles county by Phineas Banning. Hitherto such experiments have failed in that region.

THE LADIES' CHRISTIAN COMMISSION FAIR for the sick and wounded soldiers will commence at Union Hall on the 24th inst. We understand that the arrangements for this Fair have been made on the most extensive scale, and that it is confidently expected that the success of the undertaking will be proportionately great. The object is one which should commend it to the best wishes and active co-operation of every individual in the community.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbot Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Speller, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes. Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all *sizes*. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

A GREAT INDUSTRIAL FAIR!
—TO BE—
Opened in San Francisco,
—ON THE—
30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill. The successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked separately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE,
H. D. DUNN,	P. B. DEXTER,
E. NUNAN,	F. J. O'CONNOR,
W. B. KNIGHT,	R. H. STEIGER,
E. N. TORRY,	W. H. BRYAN,
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs, Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOWLEY
Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent.*

"A Slight Cold," Coughs.—Few are aware of the importance of checking a Cough or "SLIGHT COLD" in its first stage; that which in the beginning would yield to a mild remedy, if neglected, soon attacks the lungs. "*Brown's Bronchial Troches*" give almost immediate relief. *Military Officers and Soldiers should have them, as they can be carried in pocket and taken as occasion requires.* Agents for California
I-1m REDINGTON & Co., San Francisco.

REMOVAL.

The offices of the Peoria and Winnemuck Gold and Silver Mining Company are removed to Summit City, Alpine Co., Cal. By order of the Board of Trustees.
14t- W. A. H. TOWN, Secretary.

Cuatlon.—Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

The following certificates were sold for delinquent assessments on Saturday, July 16, 1864, and will not be transferred on the books of the company:

Certificate	28	R Bradshaw	5 shares
Do	60	W Haley	40 do
Do	61	Jos Stansfield	40 do
Do	101	S B Clark	10 do
Do	109	M Fennell	25 do
Do	152	W G Moody	165 do
Do	144	Thomas J Pervear	5 do

By order of the Board of Trustees.
4 LAWRENCE C. OWEN, Secretary

SAN FRANCISCO FOUNDRY
And Machine Works.
Corner Fremont and Mission streets,
SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.
☞ Steam Engines constantly on hand.
Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.
☞ REPAIRING promptly attended to.
DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINERY, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

THE PACIFIC IRON WORKS,
First stroot, between Mission and Howard stroots,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.
Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.
Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

D. G. HINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DUNLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

JOHN P. GALLAGHER..... .....JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

Vulcan Iron Works Company.
P. TORQUET, Manager.
Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,
PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. JONVAL and other Turbine Water Wheels with latest improvements.
No. 187 & 139 First Street San Francisco. tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission,
OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.
Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

J. H. GRUSH, J. A. PERR, W. BUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ SCROLL SAWING DONE TO ORDER. ☜
Fremont St., between Market and Mission, San Francisco.
3-3m

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address
SMITH & HANSCOM,
15v3-3m Golden State Iron Works, San Francisco.

CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.
We offer a Splendid Assortment of the above goods at the
LOWEST RATES.
HAYNES & LAWTON,
516 and 518 Sansome st., cor. Merchant, San Francisco.
1-3m

Coal Creek Coal Mining Company.
Located near Geyserville, Sonoma County, California, containing 320 acres.
CAPITAL STOCK.....$120,000
600 Shares.....$200 Per Share.
Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco
A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer
TRUSTEES:
JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

Pacific Mail Steamship Company.
THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF AUGUST, 1864.
Aug. 3—UNCLE SAM.....
Aug. 13—GOLDEN CITY.....Capt. W. F. Lapidge.
Aug. 23—GOLDEN AGE.....Capt. E. S. Fransworth.
From Folsom street Wharf, at nine o'clock A. M., punctually,
FOR PANAMA.
Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.
A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Pacific Powder Mill Company, Marin Co., California.

NOTICE.—A special meeting of the Stockholders of the above Company, will be held at the Office, No. 708 Montgomery Street, San Francisco, on Saturday, the 20th day of August, 1864. at 7 P. M., for the purpose of amending the By-Laws. By order of the Trustees.

4-4t A. H. MEYERPETER, Secretary.

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING

At loss than half the cost of tin roofs.

READY ROOFING

Moro durable than Tin.

READY ROOFING

Suitable for steep or flat roofs.

READY ROOFING

For all kinds of buildiags, in all climates.

READY ROOFING

Easily, cheaply, and quickly put on. Needs ne coating over with cement after it is nailed dowu.

READY ROOFING

Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.

Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,
Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6-tf 73 Maiden Lane, N. Y.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJU-TING WRINGer. No wood-work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the be t Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER. Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

6-tf

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultation and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of conscientious models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are objected to because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide: it will, however, generally inform the applicant whether a improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $15 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency or expense ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as rapidly as possible. When the drawings are ready we send them to the inveator by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 y'rs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and grounds covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Seasame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market; Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; Mining Shares Journal; Quartz Mill Mania; Roasting Silver Ores; Ductility of Gold; Copper Smeltiag in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Fetisch's Ore-Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket Mr.; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Gunpowder; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Insects; Old Without Knowing it; Eating when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Sandwiches' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to the Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

THE MINING AND SCIENTIFIC PRESS is published every Saturday morning. Each number contains SIXTEEN PAGES of SIXTY-FOUR COLUMNS. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair.

DEWEY & CO., Publishers.

Office, 57 Government House, Corner Sansome and Washington streets.

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.

No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-1m

HUNT'S IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order, they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.
ALSO, THE
Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 23 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

DENTAL GOODS!

Dental Importing House.

R. H. McDONALD & CO.,
DRUGGISTS.

Corner Pine and Sansome streets, SAN FRANCISCO.

R. H. McDONALD & CO., DRUGGISTS,
SACRAMENTO.

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

DENTAL AND SURGICAL INSTRUMENTS, TEETH,

Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Pluggers, Scalers, Files.

ROSEWOOD DENTAL CASES,

Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

Dental Books.

We keep constanly on haad a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

3-3m R. H. McDONALD & CO., Druggists.

R. H. McDONALD. J. C. SPENCER.

R. H. McDonald & Co.,
WHOLESALE DRUGGISTS,
SACRAMENTO.

R. H. McDonald & Co.,
Cor. of Sansome and Pine Sts.,
SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL OOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS,	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**

122 J street, Sacramento. 513 Clay street, San Francisco. 3-6m

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jltf

G. E. MOORE,

Assayer and Analytical Chemist,

Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.

REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!

Promptness and Accuracy Secured,

BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!

J. H. CHURCHILL, M. A.,
Consulting Chemist, [from Europe.]
24 Government Block, corner of Sansome and Washington Streets, San Francisco.

Refer to the Editors of this journal.

☞ "HINTS FOR PROSPECTORS" free by post. 1tf

Deetken & Co's

METALLURGICAL WORKS.

We respectfully inform the mining community in general, that having completed our

NEW SMELTING FURNACES

We are now ready to smelt every kind af Silver and Gold Ores. Parties unable to get satisfactory results by amalgamation, will find it to their interest to have their ore smelted at our works.

LARGE CONTRACTS ACCEPTED AT LOW RATES AND RESULTS GUARANTEED.

Facilities on hand to work all and every kind af Gold and Silver bearing ores as well as it can be done in Europe.

Amalgamation & Chloration

Carried an, on Silver and Gold ores as heretofore.

DEETKEN & CO'S Metallurgical Works!

Office, 315 Montgomery street; Works, San Bruno Road. 1vshu

Kustel Brothers'

METTALLURGICAL WORKS;

Bryant Street, Between Third and Fourth, San Francisca.

☞ Office, 418 Montgomery Street. ☜

☞ Gold and Silver Ores Reduced.

Practical Assays made of Gold, Silver and Lead Ores.

19-tf Also Cupellation and Refining of Silver and Gold.

WOODARD & WILSON,

Copper Crushing and Grinding.

Attend to all kinds of Grinding & Crushing,
—SUCH AS—
COPPER ORES, MARBLE DUST, FIRE-BRICK DUST,
And Feed of all Kinds,
All af which will be Ground at the Shortest Natice.
—ALSO—
California Mineral Paint and Mineral Polishing Powder.
Works—No. 537 Market Street.
San Francisco, January 1st, 1864. 1-tf

DEETKEN & CO'S

METALLURGICAL WORKS,

FOR THE REDUCTION AF

SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND GOLD,

Practical Assays for Silver and Cald, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.

WORKS—On the San Bruno Road.

OFFICE—Na. 315 Montgomery St., San Francisco. 16tf

Evening Instruction In Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st af June. For terms apply at the Laboratary, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

BLAKE'S

QUARTZ BREAKER

Is naw extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented, and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENOLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained af tha undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

OWAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

Disney's Cylinder Amalgamator.

The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand. The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center af the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aglast purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

Hepburn & Peterson's

AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Warks, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory, among which may be named the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.
nav8 3m•

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Pinton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose far which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed far separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS,
NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted ta refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st. 1864. 14v8-tf

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK GOLD AND SILVER ORES. In large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us ta give results fully up to the merits of rock.

WHEELER & THAYER, Proprietors.

C. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,
WHOLESALE AND RETAIL DEALERS
— IN —
JAPAN AND CHINA TEAS,
AND
GROCERIES.
Store fronting on
514 Market & 15 Sutter St.
☞ THREE DOORS ☜
BELOW THE MARKET HOUSE,
San Francisco.
Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

A New and Valuable Book.

PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.
A. ROMAN & CO.,
Booksellers, Importers and Publishers,
417 and 419 Montgomery street,
no30-tf San Francisco.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Mining Notices.

Advertised in Previous Issues.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 29th day of June, 1864, the several amounts set opposite the Names af the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
Butler, Mrs S F	154	20	$4 00
Chapman, Mrs S	80	5	1 00
Clark Joseph	77	35	7 00
Dennis, J R	73	20	4 00
Gilson, E	178	10	2 00
Hardy, I J	172	5	1 00
Johnson, Ann M	157	8	1 60
Keller, M	29	30	6 00
Lange, Elizabeth	98	5	1 00
Lange, Katrina	00	5	1 00
Lange, Eva	100	5	1 00
Lee, Andrew	17	5	1 00
Lee, Audrow	18	5	1 00
Lewald, George	33	30	6 00
Matthews, L C	34	10	2 00
Miller, J H	173	5	1 00
McComb, E C	48	10	2 00
McCormick, H	49	10	2 00
McNeil, P	25	50	10 00
Nolan, M	172	15	3 00
Ryland, G F	82	20	4 00
Smith, George	38	5	1 00
Smith, George	39	5	1 00
Smith, George	78	45	9 00
Snow, Ansil	142	10	2 00
Semmers, Siman	44	25	5 00
Stathaff, R	81	5	1 00
Tukham, H	141	20	4 00
Whalen, John	75	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 29th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom af Jerome Rice & Co., No. 327 Montgomery st, San Francisco, on the 13th day af August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs af advertising and expenses of the sale. N. G. FRENCH, Sec'y.
Office, 728 Montgomery street, San Francisco. 5-3t

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, August 23d, 1864, at the same hour and place. By arder of the Board of Trustees.
N. O. FRENCH, Secretary.
San Francisco, August 12th, 1864. 7-2t

Animas Silver Mining Company, Ventanna, District af San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names af the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Samuel White	2	10	$10
P H Mulford	3	5	5
P H Mulford	4	5	5
J Fillebrown	8	32	32
J Fillebrown	28	18	18
J I Bliven	29	5	5
J I Bliven	31	5	5
D C Eaton	33	20	20
D C Eaton	30	5	5
D C Eaton	37	5	5
D C Eaton	38	3	3
C W Roberts	47	5	5
P Decker	48	50	50
H Beach	49	50	50
H Beach	50	35	35
I K Whits	51	10	10
R Barney	52	1	1
R Barney	53	9	9
J S Scott	74	5	5
J S Scott	78	5	5
J S Scott	79	5	5
J S Scott	102	5	5
Wm B Marshall	85	10	10
Geo W Chapin	116	100	100
Geo W Chapin	117	100	100
Geo W Chapin	118	50	50
Geo W Chapin	119	25	25
Geo W Chapin	120	10	10
Geo W Chapin	123	$33	$33
Thomas N Parkor	121	25	25
E P Fisb	122	25	25

And in accordance with law, and an arder of the Board of Trustees, made on the 14th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 623, Montgomery street, San Francisco, California, on Saturday the 27th day of August, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.
GEORGE A. HILL, Secretary.
Office, No. 623 Montgomery street, San Francisco, California. 7

Astor Gold and Silver Mining Company, Gold Hill Mining District, Storey County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 10th day af August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, No. 436 Jackson street, or to E. A. HYDE, Superintendent, Gold Hill.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.
EDWARD C. LOVELL, Secretary.
Office, 436 Jackson street, San Francisco. 7-4t

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, city and county of San Francisco.

There are delinquent, upon the following described Stock on account of assessments levied on the 2d day of November, 1863, and the 9th day of March, 1864, the several amounts set opposite the names af tha respectiva shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C E Black, 1 ass't	71	50	6 25
Wm Francy, 1 ass't	74	100	12 50
O A F Gilbert, 2 ass'ts not issued		50	12 50
J G Hughes, 2 ass'ts	64 65 66	250	62 50
F S Lovejoy, 2 ass'ts	unissued	450	112 50
Ed Muller, 1 ass't	19 20 21 22 23 24	623¼	7 81
C B O'Bannon, 2 ass'ts	unissued	550	137 50
A H Parker, 1 ass't	18	25	3 13
I J Reife, 1 ass't	27	65	81
G W Welch, 1 ass't	32	25	3 13

And in accordance with law, and an order of the Board af Trustees, made an the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at tha salesraam of John Middleton & Son, No. 400 Montgomery street, San Francisco, an the 31st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising und expenses of sale. L. C. DODGE, Secretary
5-4t

Caldwall Gold and Silver Mining Company, Cove District, Kern River, Tulare County, California.

Kern River Gold and Silver Mining Company, Cove District, Tulare Coaaty, California.

Tha office and principal place af business of the ahova named Companies, will be removed from the City of San Francisco ta Cove District, Tulare County, California, after the necessary legal steps are perfected.

M. G. ELMORE, Secretary.
Office, 621 Clay street.
San Francisca, August 12, 1864. 7-5t

Clinton Gold and Silver Mining Company, Reese River District, Lander County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 2d day af July, 1864, the several amounts set opposite tha names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adolph, J J	10	10	$2 50
Agrell, A	3	5	1 25
Bivens, A	not issued	25	12 50
Bowley & Co.,	7	7	1 75
Bible, A B	14	12	2 00
Dodge N	8	10	2 50
Hereford, R H	26	5	1 25
Jewett, Win	27	10	2 50
Matteer, J M	28	10	2 50
O'Brien, J M	6	5	1 25
Ormsby, J H	25	5	1 25
Sparks, D K	22	25	6 50
Sparks, D K	23	59	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 2d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Edw. S. Spear, No. 433 California St., in the city af San Francisca, an the 26th day of Augnst, 1864, at the hour af 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses af the sale.

F. O. APPLETON, Secretary.
Office, No. 25 Montgomery Block, San Francisco. 6-3t

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied an the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Bartlett, B L	141 142-ea 50	100	$20 00
Baker, S D	181 to 186-ea 5		
	187 188-ea 10		
	189-2s sbs	75	15 00
Doll, J G	164	1	20
Flauders, D P	168 169-ea 5	10	2 00
Hoag, G W	162	1	20
Lemmon, J W	172	25	5 00
Mahood, J A	173	10	: 2 00
Robbins, J	170	10	2 00
Scott, J W	112 113 114-ea 25		
	119 to 122-ea 25		
	160 to 156-ea 10		
	180-15 sbs	250	55 00
	161	1	20
Simpson, J L	109 110-ea 100		
Triune Mining Co.	161-82 sbs	282	56 40
Tuttle, W N	131 132 133-ea 25	75	15 00
Feild, V	174	10	2 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day af July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Jerome Rice & Co., Na. 327 Montgomery st., San Francisco, an the 27th day of August, 1864, at the hour of 12 o'clock M. af said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

JOHN J. SCOTCHLER, Secretary.
Office, 204 Front street, San Francisco. 7

Dane Gold and Silver Mining Company, Esmeralda.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 5, levied on the 5th day af July, 1864, the several amounts set opposite the names af the respective shareholders as follows:

Names.	No. Shares.	Amount.
John S Mayhugh	87	$87
D C Crocker	5	5
W F Atwood	208	208
Jesse Richardson	10	10
James Hitchens	15	15
Jas H Deering	75	75
M L Citron	10	10
F J Barber	10	10
Adam Ross	10	10
Mrs H C Bull	5	5
W H Farbes	10	10
Jas J Robbins	128	128
W H Hamden	10	10
Larkin Smith	45	45

And in accordance with law, and an order of the Board af Trustees made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold public at auction, at the office of the Company, No. 623 Montgomery street., on the 20th day af August, 1864, at tha hour of 12 o'clock A., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD CONNER, Secretary.
Office, 623 Montgamery Street. 7

POSTPONEMENT.—The above sale is postponed until Tuesday, August 30th, 1864, at the same place and hour. By order of the Board of Trustees.
7 EDWARD CONNER, Secretary.

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees af said Company, held on the 22d day of June, 1864, an Assessment of Two Dollars per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, 708 Montgomery street, city and county of San Francisco.

Notice is hereby given that at a meeting of the Board of Trustees of said company on the 9th day of August, 1864, the Secretary was directed, on account of error in previous notice, to readvertise the above assessment, payable to the Secretary, at the present office of the company, No. 702 Washington street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the deliuquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

O. PARDOW, Secretary.

Office, northwest corner Washington and Kearny streets, San Francisco. 7-4t

Eureka Mill and Mining Company, Big Creek District, Lauder County, N. T.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day af July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D Reese	1	20	$63 00
D Reese	2	20	63 00
B Reese	3	22½	70 87
D E Buel	16	125	196 87

And in accordance with law, and an order of the Board of Trustees, made on the 12th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by John Middleton & Son, on the 27th day af August, 1864, at the hour of 12 a'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco. 7

Fairview Copper Mining Company, Calaveras County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold an Monday the 26th day af September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. WILMOT, Secretary.

Office, 537 Washington street, San Francisco. 6-5t

Fortaan Gold and Silver Mining Company, Reese River District, Lander county, N. T.

Notice.—There are delinquent upon the following described stock, an account of assessment levied on the 7th day of January, 1864, the several amounts set opposite the names af the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
I J Rolfe,	10	10	$10 00
I J Rolfe,	11	10	10 00
I J Rolfe,	12	5	5 00
J B Richmond,	50	20	20 00
Sol Lewis,	52	75	75 00

And in accordance with law and an order of the Board af Trustees, so many shares af each parcel of said stock as may be necessary, will be sold at the office of Messrs. Coldsmith Bros., 422 Montgomery street, an the 29th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. JOHN DUNN, Secretary.

Office, 723 Montgomery street, San Francisco. 6-4t

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County, California.

Notice is hereby given, that at a meetiug of the Board of Trustees of said Company, held on the 30th day of May, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company; and that at a meeting of the Board of Trustees of said company, held on the 9th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United States gold coin, to the Secretary of said company, at the office of said company, No. 433 Montgomery street, in the city and county of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 26th day af September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

EM. FENARD, Secretary.

Office, No. 433 Montgomery street, in tha city and county of San Francisco, 7-4t

Good Raturn Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice is hereby given that at a Meeting of the Board af Trustees of said Company, held on the 14th day af June, 1864, an Assessment of one dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office af the company, No. 728 Montgomery Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Saturday the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By arder of the Board of Trustees.

N. O. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco, Cal.

N. B.—The above notice is hereby given in consequonce of an error in former advertisement for the collection of the above assessment. (5.4t) N. O. FRENCH, Secretary.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Covernment House, corner Washington and Sansome street, San Francisco.

The *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 1st day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States coin, to the Secretary, at the office of the company.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees,

C. W. HAYDEN, Secretary.

Office, No. 625 Clay Street, San Francisco. 6-4t

Good Hope Gold and Silver Mining Company, Alpine District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of July, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said company, payable on the 10th day af August, 1864, in United States Gold Coin, to the Secretary, or to H. Morris, at Markleeville.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864. will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco, 4-4t

Postponement.—The advertisement of stock delinquent on the above assessment is postponed until the 27th day of August, 1864. By order of the Board of Trustees.

8 PRESTON MORRIS, Secretary.

Honest Miner No. 2 Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given, that at a Meeting af the Board of Trustees of said Company, held on the 4th day af August, 1864, an assessment of 62½ cents per share was levied upon the capital stock of said company, payable on the 6th day of August, 1864, in United States gold coin, ta the Secretary, ar to Edward Muller, Austin, N. T.

Any stock upon which said assessment shall remain unpaid an Saturday, the 3d day af September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delluquent assessment, together with costs of advertising and expenses of the sale. By order af Board of Trustees. JOHN DUNN, Secretary.

Office, 723 Mantgomery Street, Room Na. 4, San Francisco. 6-4t

Holcombe Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and the by-laws of this company, there will be sold at public auction for cash in United States gold coin, an Monday, September 6th, 1864, at 11 o'clock A. M., of that day, by Cobb & Sinton, 406 Montgomery street, San Francisco. so many shares of the capital stock, standing in the names of the following persons, as will be necessary for the payment of assessment No. 1, daily levied January 8th, 1864, now due thereon, together with tha expenses of advertising and sale.

Names.	Na. Certificate.	No. Shares.	Amonnt.
S E Kiler,	19 20 21 22 23 24 25	100	$100 00
John Rosseter,	26 27 28 29	50	50 00
A J Hendricks	36 37 38 39 40	100	100 00

By order of the Board of Trustees.

JOHN A. LEDDEN, Secretary.

Office, 623 Washington street, San Francisco. 6

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory. Office, No. 623 Clay street, San Francisco, California, July 23d, 1864.

Notice is hereby given that in accordance with an ordor duly made by the Board of Trustees of the Illinois Gold and Silver Mining Company, there will be sold at public auction by Jerome Rice and Co., at their salesroom, No. 327 Montgomery street, San Francisco, on Monday, August 29th, 1864, at 12 a'clock M., to the highest bidder for cash, in gold coin, so many shares of tha Capital Stock of tho said company, standing in the names of the horeinafter mentioned stockholders, as will be necessary to pay all assessments now delinquent thereon, together with costs of advertising, and all accruing charges, unless previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
Morgan Richards,	9	100	$100 00
Thomas Waters,	65	63	bal 62 00
N T Carpenter,	54	10	10 00
C L Johnson,	67 68	15	15 00
John Jones,	92	101	101 00

By ordor of the Board of Trustees.

5-5t B. W. MUDOE, Secretary.

Kelsey Gold and Silver Mining Company, Kelsey District, El Dorado County, Cal.

Notice is hereby given, that at a meeting of tha Board of Trustees of said company, held on the 27th day of July, 1864, an assessment of ten cents per share was levied upon the capital stock of said Company, payable on the 28th day of July, 1864, in United States gold coin, to ths Secretary, at his office.

Any stock upon which said assessment shall remain unpaid an Saturday the 27th day of August, 1864, will be advertised on that day as delluquent. and unless payment shall be made before, will be sold, on Saturday 10th the day af September, 1864, to pay the delinquent assessment therean, together with costs of advertising and tha exponses of the sale. By order of the Board of Trustees.

S. O. GARDNER, Secretary.

Office, 605 Sacramento street, First door West of Montgom street, up stairs. 5-4t

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that at a meeting of the Board af Trustees said Company, held on the 23d day af July, 1864, an assessment af 50 cents per share was levied upon the Capital stock of said Company, payable on the 25th day of July, 1864, in United States Gold Coin, to the Secretary, at the office of the Company, Na. 25 Montgomery Block, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Friday the 16th day af September, 1864, to pay the delinquent assessment, together with costs of advertising aud expenses of the sale. By order af tho Board of Trustees. F. O. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 5-4t

Scientific and Mining Journal.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an assessment of fifteen cents per share was levied upon the Capital Stock of said Company, payable immediately in United States Gold Coin, to the Secretary, or to J. H. Cassiday, at the mine.

Any stock upon which said assessment shall remain unpaid on the 24th day of August, 1864, will be declared delinquent, and advertised as such on Saturday, August 27th, 1864, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, No. 322 Front street, San Francisco. 5-4t

La Traviata Gold and Silver Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held an the 12th day of. July, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 13th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 27th day of August, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 5-4t

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, August 20th, 1864, and the sale theref ts postponed until Saturday, September 3d, 1864. By order of the Board of Trustees. AUO. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 7-1

La Libertad Gold and Silver Mining Company, Cachachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollar per share, was levied upon the Capital Stock of said company, payable in three (3) equal installments of 33⅓ cents each; the first payable on the 27th day of July, 1864, in United States gold coin, ta the Secretary, and the balance in every fifteen days thereafter.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold ou Saturday the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the board of Trustees. WILLIAM VALE, Secretary.

Office, 55 & 56 Exchanga Building, northwest cornor af Montgomery and Washington streets, San Francisco, 6-4t

Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of July, 1864, an Assessment of five dollars per share was levied upon the Capital Stock of said Company, payable to United States gold coin, to the Secretary at his office, No. 8 Masonic Temple, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, August 20th, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By ardor of the Board of Trustees.

4-4t LAWRENCE O. OWEN, Secretary.

Leland Gold and Silver Mining Company, San Francisco District, Arizona.

Notice.—There are delinquent upon the following described stock an account of Assessment No. 1 of 50 cents per share levied January 5th 1864, upon each and every share of tha capital stock af the above named company, the several amounts set opposite tho names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amonnt
Samuel L Thellar,	23 45-50 ea	100	$50 00
Samuel L Theller,	67 68-20 ea	40	20 00
C E Levan,	50	20	10 00
E M Hall,	85	130	65 00
P B Fagan,	83	50	25 00
P B Fagan,	40 41 42 43 44-10 ea	50	25 00
W M Allen,	not issued	190	05 00
L P Ward,	74	40	20 00
C W C Rowell,	4	100	50 00
C W C Rowell,	12 15 18 17-10 sa	40	20 00
C W C Rowell,	18	15	7 50

And in accordance with the laws of the State of California, and the order of the Board af Trustees of said company made on the 8th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 529 Clay street, San Francisco, on Friday, August 26th, 1864, at the hour of 12 o'clock M. of said day, payable in United States gold coin, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. By ordor.

(4-5t) THEO. A. MUDOE, Secretary.

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an assessment of five dollars per share was levied upon the capital stock of said Company, and that at a meeting of the Board of Trnstees of said company, held on the 9th day of August, 1864, it was ordered that said assessment shanld be payable on the 10th day af September, 1864, in United States Cold Coin, ta the Secretary of said company, at the office of said Company, No. 433 Montgomery street, in the city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 26th day of September, 1864, to pay tbo delinquent assessment, together with the costs of Advertising aud oxpenses af the sale. By ordor of tha Board of Trustees.

EM. FENARD, Secretary.

Office, No. 433 Mantgomery, street, in tha city and county of San Francisco. 7 4t

Palmyra Consolidated Gold and Silver Mining Company.

Notice.—The annual meeting for tbe election of Trustees for the onsuing year, and the transaction of other business, will be held at the office of the company, 625 Clay street, San Francisco, August 22d, 1864, at 7½ o'clock P. M.

6-2t C. W. HAYDEN, Secretary.

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

Mt. Zion Gold, Silver and Copper Mining Com pany, Clayton District, Contra Costa County, Cal.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 9th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Paul Shirley	100	100	$100
Paul Shirley	101	25	25
Paul Shirley	162	25	25
Paul Shirley	163	25	25
Paul Shirley	164	25	25
J M Goodall	181	10	10
J M Goodall	182	10	10
J M Goodall	183	10	10
J M Goodall	184	10	10
J M Goodall	185	10	10
S J Bennett	144	25	25
S J Bennett	145	50	50
Richard Brainard	47	25	25
Richard Brainard	215	25	25
Richard Brainard	210	9	9
Richard Brainard	240	25	25
Richard Brainard	316	50	50
R A Saudford	130	2	2
H Michaels	158	8	8
H Michaels	175	5	5
Julius Fink	321	130	130
C M Dexter	80	25	25
G M Dexter	804	25	25
J G Tilton	84	10	10
J G Tilton	195	5	5
J C Tilton	196	5	5
J G Tilton	151	50	50
Perry Cram	299	75	75
J V Lyons	325	25	25
David Hufford	332	12	12
M H Hunter	33	25	25
M H Hunter	34	50	50
M H Hunter	35	50	50
M H Hunter	36	50	50
E Shannon	320	10	10
R Hall	265	300	300
C Wilhelm	48	10	10
C Wilhelm	240	20	20
C Wilhelm	245	5	5
C P Randlett	117	13	13
C Buckman	159	8	8
C Buckman	241	10	10
C Buckman	263	10	10
B F Sterrett	259	50	50
Miss A Lewis	264	5	5
H P Penniman	not issued	75	75
J J Scotchler	250	10	10
J J Scotchler	251	10	10
J J Scotchler	252	5	5

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, ta pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. O. WOOD, Secretary.

Office, 240 Montgomary street, southeast corner of Pine street, San Francisco. 7

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amonnt.
F D Everts	168	10	$5 00
Sidney Lemon	150	15	7 50
H Montfort,	162	5	2 50
S P Wallace	174	10	5 00
F McConnell	175	10	5 00
Thos Dunn	181	5	2 50
Thos Dunn	182	5	2 50
M F Clayton	178	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 31st day of August, 1864, at 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

OEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 7

Ossipee Gold and Silver Mining Company, El Dorado County, California.

Notice is hereby given that at a meeting of tha Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of five cents per share was levied upon tha capital stock of said Company, payable in United States gold coin; and that at a meeting of the Board of Trustees of said company, held on the 26th day of July, 1864, it was ordered that said assessment should be payable on the 26th day of July, 1864, to the Secretary at the office of the company, No. 703 Montgomery Street, city and county of San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, tha 13th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, 703 Montgomery street, city and county of San Francisco. 5-4t

Palma Silver Mining Company, District of Ures, Sonora, Mexica.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of July, 1864, an assessment of one dollar per share was levied upon the assessable stock of said Company, payable on the 24th day of July, 1864, in United States coin, to the Secretary af said company.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of tho sale. By order of the Board of Trustees.

CEO. L. FAULKNER, Secretary.

Office, 411 Clay Street, San Francisco. 5-4t

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice is hereby given, that at a meeting af the Board of Trnstees of said Company, held on the 23d day of July, 1864, an assessment of five dollars per share was levied upon the Capital stock of said Company, payable immediately, in United States gold Coin, to the Secretary at his office, or to the Superintendent R. R. Moss, at Virginia City.

Any stock upon which said assessment shall remain unpaid on Saturday, the 27th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 10th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. J. J. TREADWELL, Secretary.

Office, No. 626 Montgomery street, San Francisco. 5-4t

Queen of Antilles Consolidated Gold and Silver Mining and Tunnel Company, Reese River, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 1, levied on the 9th of January, 1864, of five cents per share; No. 2, twenty-five cents per share, levied on the 30th of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Rosener,	22 to 31	90	$22 50
Miron Pixley,	59 to 67	00	22 50
J Davis,	91 to 96	81	20 25
J W Dunison,	37 to 48	75	18 75
P J Nolan,	97 to 99	45	11 25
C F Myers,	100 to 110	253	78 90
H Littlefield,	120 to 139	271	81 30
G Stichell,		00	27 00
H Harps,	100, 140 to 158	250	75 00
J L Snyder,	158 to 103	00	27 00
Geo Bortle,	5, 7, 8, 10, 11, 12	81	15 25
G McElvy,	53, 54, 55	67	10 75
W H Read,	50, 57, 58	45	11 25
Geo Kays	173 to 189	247	73 00
T Green,	80, 00	00	22 50
J P Boyce,	73	0	2 70
J C Tribblehono,	22	20	5 00
C E Helfrich,	20, 21	10	2 50
J H Long,	32	10	2 50
W P Witham,	84	10	2 50
J G Denison,	35	0	1 50
G B Baker,	4	3	75
S S Hussey,	14	5	1 25
R A Frazer,	15	8	75
T W Hollingshead,	08, 69 70	40	10 00
W H Estus,	71 to 74	25	0 25
J Stolia,	75 to 77, 79, 82, to 84	86, 88	107	20 75
T C Wales, Jr.	51, 52	25	6 25
J M Denison,	36	50	12 50

And in accordance with law and an order of the Board of Trustees made on the 29th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction for United States coin, at the Office of the Company, on the 24 day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

O. B. LARRABEE, Secretary.

5-4t Office, 528 Clay street, San Francisco, Cal.

Rose Matilda Mining Company, Charter Oak Mining Company, North Star Mining Company, Diamond Mining Company, Santa Catalina Island, California.

NOTICE.—There are delinquent, upon the following described stock, on account of Assessment levied on the 9th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

ROSE MATILDA MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
J S Butters	1 2 3-ea 10		$3
J S Butters	4	50	5
J S Butters	5 6-ea 25		5
J S Butters	7	6	60
C F Briggs	40	68	6 80
E H Baxter	81 82-ea 10		2
E H Baxter	80	6	60
E H Baxter	83	25	2 50
S Boushey	100	80	8
P J Barber	104	11	1 10
[illegible] r	84 85-ea 50		10
Wm Chapman	86	50	5
D K [illegible] n	92	5	50
P C Gayetty	93	0	60
— Hoynes	94		2 50
P Ide	75	125	12 50
A Jurgens	115	68	6 80
Sarah A Kent	70	6	60
— Moran	46	25	2 50
J D Nichols	nat issued	81	8 10
L F Powell	12	5	50
L F Powell	14	20	2
C Rowe	114	68	6 80
Geo Williams	89	15	1 50
C L Place	not issued	130	13 60

CHARTER OAK MINING COMPANY.

J S Butters	1 2 3 4-ea 10		4
J S Butters	5 6-ea 25		5
J S Butters	7	0	00
C F Briggs	32	48	4 80
E H Baxter	66	4	40
S Boushey	84	20	2
P J Barber	88	11	1 10
Jas J Carter	60	100	10
Wm Chapman	70	10	1
D K Dickerson	86	5	50
P C Gayetty	01	20	2 60
P Ide	61	01	9 10
A Jurgens	100	48	4 80
J D Nichols	25	80	8 60
J D Nichols	not issued	10	1
C Rowe	09	48	4 80
Geo Williams	73	15	1 50
C L Place	not issued	08	0 60
J M Page	04	25	2 50
Nancy Hicks	77	50	5

NORTH STAR MINING COMPANY.

J S Butters	1 2 3 4-ea 10		4
J S Butters	5	50	5
J S Butters	0 7-ea 25		5
J S Butters	8	4	40
C F Briggs	39	72	7 20
E H Baxter	70	6	60
E H Baxter	80 81-ea 10		2
E H Baxter	82	20	2
S Boushey	00	80	8
P J Barber	100	25	2 50
Jas J Carter	80	100	10
Wm Chapman	85 86-ea 10		2
P C Gayetty	104	64	6 40
A Jurgens	112	72	7 20
Sarah A Kent	69	6	60
J D Nichols	29	144	14 40
C Rowe	111	72	7 20
Geo Williams	89	15	1 50
C L Place	not issued	144	14 40

DIAMOND MINING COMPANY.

J S Butters	1 2 3-ea 10		3
J S Butters	4 5-ea 25		5
J S Butters	0	8	80
C F Briggs	29	44	4 40
E H Baxter	81 02-ea 10		2
S Boushey	76	20	2
P J Barber	77	13	1 30
Jas J Carter	63	100	10
P C Gayetty	80	18	1 80
A Jurgens	88	44	4 40
J D Nichols	22	88	8 80
C Rowe	87	44	4 40
Geo Williams	88	15	1 50
C L Place	not issued	88	8 80

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner Pine. 7

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. A. RUST, Secretary.

Office, 212 California street, San Francisco. 6-4t

Silver Age Mining Company, Amador District, Lander county, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment No. 3, levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders as follows, being $1.50 per share:

Names.	No. Certificate.	No. Shares.	Amount.
Geo Brown,	10	50	$75 00
Geo Brown,	22	50	75 00
R Hughes,	11	75	112 50
W Wainwright,	23	90	135 00
W Schadt,	24	100	150 00
J S Scott,	25	80	120 00
Mrs W Wainwright,	26	100	150 00
Jas P Clough,	14	25	37 50
Jas P Clough,	15	25	37 50
Jas P Rogers,	8	20	30 00

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the auction rooms of John Middleton & Son, N. E. corner Montgomery and California streets, San Francisco, on Saturday the 13th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

SAM. P. HOWES, Secretary.

Office, Nos. 42 and 43 Government House, N. W. cor. Sansome and Washington streets, San Francisco. 5-2t

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Santa Maria Silver Mining Company, Bollo Silver Mining Company, Imperatrice Silver Mining Company, Maryland Silver Mining Company. Location, Santa Fe District, Lander county, N. T.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 23d, 24th and 25th days of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SANTA MARIA S. M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
H B Underhill,	Cert No. 1, 2, 3 25 shares each	75	$37 50
G R Choate,	Cert. 4, 5 25 shares each	50	25 00
J H Huston,	Cert 6, 7, 9, 10 No Shares 20, 20, 20, 20 cert 13, 14, 15, 17, 20, 23, 24 shs 10, 10, 10, 10, 10, 5, 5	140	70 00
John D Moors,	Cert from 31 to 35 inc 20 shares each	100	50 00
John D Moore,	Cert from 30 to 45 inc 10 shares each	100	50 00
John D Moore,	Cert from 46 to 55 inc 5 shares each	50	25 00
C B Westcott,	Cer 56, 10 shs & 57, 5 shs	15	7 50
R Porterfield,	Cer 65	10	5 00
M I Ryan,	Cert 70, 84, 85 10 shares each	30	15 00

BELLE SILVER M. CO. (Asst. levied Feb. 23, 1804.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 6 No. Shares 20, 20, 20, 20, 10 cert 7, 8, 9, 13, 22, 25 shs 10, 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 37 inc & 39, 40, 10 shares each	00	45 00
John D Moore,	Cert from 41 to 45 inc 5 shares each	50	25 00
H B Underhill,	Cert No. 55	12	6 00
Geo R Choate,	Cert No. 56	13	8 50
O B Westcott,	Cert No. 58, 10 shs & No. 59, 5 shares	15	7 50
M I Ryaa,	Cert 80, 83, 84, 85 No. Shares 50, 25, 25, 25	125	82 50

IMPERATRICE S. M. CO. (Asst levied Feb. 24, 1804.)

Names.	No. Certificates.	No. Shares.	Amt. Due
J H Huston,	Cert 1, 2, 3, 4, 5 No. Shares 20, 20, 20, 20, 20 cert 7, 9, 15, 17, 18 shs 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 40 inc 10 shares each	100	50 00
John D Moore,	Cert from 41 to 50 inc 5 shares each	50	25 00
H B Underhill,	Cert 51	13	6 50
Geo R Choate,	Cert 52	12	6 00
Robert Steer,	Cert 62	10	5 00
M I Ryan,	Cert 89	25	12 50

MARYLAND S. M. CO. (Asst. levied Feb. 25, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 8, 9, No. Shares 20, 20, 20, 20, 10 cert 13, 14, 10, 21, 22, 23, 24, 28 shs 10, 10, 5, 5, 5, 5, 5	140	$70 00
John D Moore,	Cert from 29 to 33 20 shares each	100	50 00
John D Moore,	Cert from 34 to 43 10 shares each	100	50 00
John D Moore,	Cert from 44 to 53 5 shares each	50	25 00
O B Westcott,	No. 59, 10 shares & 60 5 shares	15	7 50
M I Ryan,	No. 87	50	25 00
H P Handy,	Cer 70, 71, 73, 74, 75 No Shares 25, 25, 25, 15, 15 cert 76, 77, 78, 70 shs 5, 5, 5, 5	125	62 50

And in accordance with law and an order of the Board of Trustees made on the aforesaid dates, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Companies, 305 Montgomery street, San Francisco, on Thursday, the 15th day of Sept. 1864, at 11 o'clock, A. M. of said day, to pay said delinquent assessments thereon, together with the cost of advertising and expenses of sale.

San Francisco, Aug. 8th, 1864. J. S. LUTY, Sec'y.

7-4t Office, 305 Montgomery Street.

Steamboat Silver Mining Company, Sierra District, Humboldt County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable on the 5th day of August, 1864, in United States gold coin to the Secretary, at the office of the Company, or to JAS. T. MACLEAN, Superintendent at the mines.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTNAM, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 7-4t

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Standard Gold and Silver Mining Company, Amador Mining District, Lander County, Nevada Territory.

Notice is hereby given, that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees, there will be sold at public auction, by Cobb & Shaton, No. 405 Montgomery street, San Francisco, on Monday, August 22d, 1864, at 12 o'clock M. of that day, to the highest bidder for cash, in United States gold coin, so many shares of the capital stock of the above named company, standing in the names of the following shareholders, as will be necessary for the payment in full of assessment No. 1, duly levied February 24th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
W J Paugh,	not issued	100	bal due $120 00
C M Bennet,	not issued	84	
	32	10	bal due 170 13

By order of the Board of Trustees.

F. S. CARTER, Secretary.

Office, 623 Washington street, San Francisco. 4-4t

Tellarium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment No. 7, levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atkinson, Nathan	245	100	$100 00
Buylan, Joseph	26 to 30 inc-ea 20 shs	100	100 00
Bufford, J L	unissued	25	25 00
Boole, Mrs Anna	176	2	2 00
Bowen, C F	207	10	10 00
Bowen, C F	226	5	5 00
Chevallier, V	113	5	5 00
Collins, E S	232	10	10 00
Dow, J G	254	5	5 00
Dulip, J P	15	10	10 00
Dyer, W D	40 50-ea 5	10	10 00
Dall, J H	70 80 ea 50	100	106 00
Finance, A	105	10	10 00
Gay, A C	256	53	53 00
Geiger, John C	258	6	6 00
Hughes, Chas	134	5	5 00
Kendall, S	183 184-ea 5	10	10 00
Kendall, S	190 192-ea 5	10	10 00
Marina, E J de Sta	214 to 217 inc-ea 10	40	40 00
Marina, E J do Sta	218 219-ea 5	10	10 00
Matthieu, A	138	10	10 00
Marguerere G	159	10	10 00
Morris, Joslah,	269	102	102 00
Martinez, L M do	100	20	20 00
Rice, A W	76 77-ea 5	10	10 00
Richards, Jas R	260	85	85 00
Smiley, James	96	50	50 00
Thomet, N	268	10	10 00
Whitney, Geo C	204	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, on tha 27th day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 7

Tentonia Mining Company, San Miguel District, California. Office, No. 528 Clay street, San Francisca.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Tentonia Mining Company, there will be sold, at public auction, at the office of the company No. 528 Clay street, on Saturday, August 20th, 1864, at eleven o'clock A. M. of that day, to the highest bidder for cash in United States gold coin, so many shares of the capital stock of said company, standing in the names of the following shareholders, as will be necessary to pay the assessments duly levied thereon, and now being due and unpaid, together with expenses of advertising and sale, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
P B Oppenheim	75	50	12 50
P B Oppenheim	70	24	6 25
P B Oppenheim	77	10	2 50
P B Oppenheim	79	10	2 50
P B Oppenheim	80	10	2 50
P B Oppenheim	81	5	1 25
P B Oppenheim	83	5	1 25
P B Oppenheim	84	7	1 75
L Emmaanel	137	50	12 50
Julia Figel	not issued	10	2 50
D Mandel	74	5	1 25
Adolph Warner	20	20	5 00
Adolph Warner	21	20	5 00
Adolph Warner	22	20	5 00
Adolph Warner	23	10	2 50
Adolph Warner	24	10	2 50
Adolph Warner	25	10	2 50
M Meye	not issued	50	12 50
M Simonsen	7	50	12 50
M Simonsen	8	20	5 00
M Simonsen	9	10	2 50
M Simonsen	10	10	2 50
M Simonsen	12	5	1 25
M Joseph	138	50	12 50
W Shaha	47	5	1 25
Carrie Simons	51	5	1 25
Coru's Stagg	50	5	1 25
S Figel	57	5	1 25
A L Thiele	00	25	6 25
A L Thiele	91	80	7 50
Mrs M T Farrell	06	2	50
Mrs M T Farroll	127	5	1 25
A Levy	102	100	25 00
A Levy	103	25	0 25
A Levy	104	25	6 25
A Levy	105	10	2 50
A Levy	106	10	2 50
A Levy	107	10	2 50
A Levy	108	10	2 50
A Levy	109	10	2 50
A Levy	110	10	2 50
A Levy	112	5	1 25
A Levy	113	5	1 25
A Levy	114	5	1 25
A Levy	115	5	1 25
A Levy	110	5	1 25
A Levy	117	5	1 25
A Levy	129	1 1-8	33
M Hyamson	123	10	2 50
M Hyamson	150	5	1 25
C Woolff	124	50	12 50
H Hymen	130	200 1-3	50 08
D Mendis	not issued	100	25 00
P Berwin	73	100	25 00
J Jacohy	89	50	12 50

By order of the Board of Trustees.

T. A. MUDGE, Secretary.

Office, 528 Clay street, San Francisco, August 0, 1864. 6

Wide West Copper Mining Company, Copper Cannon District, Calaveras County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Brooks, A	18	50	10
Carrier, R A	45	8	1
Felton, H T	20 21 81 82 121-ea 10 shs		10 20
Geddis, Wm H	85 86-ea 50 shs		20
Geddis, Wm H	87 88-ea 25 shs		10
Hanson, C	96	50	10
Holbrook, B F	31	15	3
Klein, S	29	10	2
Klein, S	30	5	1
Linsley, E W	103 104-ea 50 shs		20
Linsley, E W	105 106-ea 20 shs		8
Linsley, E W	110 107 108-ea 10 shs		6
Linsley, E W	111	11	2 20
Otis, Stephen	39	150	80
Otis, Stephen	74	150	30
Otis, Stephen	84	40	8
Paine, H G	07	28	5 00
Rawson, J A	27	10	2
Rawson, J A	47	5	1
Shaw, E H	23 24-ea 10 shs		4
Shaw, E H	25	5	1
Turner, W J	54	20	5 20
Davenport, A C	01	25	5
Davenport, A C	02	13	2 60
Denill, E G	94	12	2 40
Denill, E G	93	25	6
Logan, James	67	150	30

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of July, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 621 Clay street, San Francisco, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 7

Well Partridge Mining Company, Weaver District, Weaver's Placer Diggings, Arizona Territory.

Notice.—There are delinquent, upon the following described stock (of said company), on account of assessment No. 1, levied on the 6th day of January, and assessment No. 2, levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders as follows, viz:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Asquith,	ass't 1 & 2 not issued	15	$4 75
Wm Asquith,	do do	45	11 25
H Bennisca,	ass't 2	28	50	6 25
H Benaison,	do	27	50	6 25
H Bennison,	da	28	25	8 12
H Bennison,	do	29	25	8 12
Hugh Carlan,	do	45	10	1 25
E Draddy,	do	8	5	02
W B Gereau,	do	02	20	2 50
W B Gereau,	do	03	20	2 50
W B Gersau,	do	04	20	2 50
W B Gersau,	da	05	20	2 50
W B Gereau,	do	07	20	2 50
W B Gereau,	do	08	20	2 50
W B Gereau,	do	09	10	1 25
Wm Hunt,	ass't 1 & 2	16	10	2 50
D B Harrison,	do 2	86	75	11 25
Benj Lewis,	do 1 & 2 not issued	45	11 25
G A Lloyd,	do 2	81	25	3 12
T E Marchant,	do 1 & 2 not issued	65	16 25
T E Marchant,	do do	25	0 25
Wm McGowan,	do	14	10	2 50
Wm Watson McGowan assessments 1 & 2		15	10	2 50

And in accordance with law, and an order of the Board of Trustees of said Well Partridge Mining Company, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, to the highest bidder for cash (in United States Gold and Silver Coin), at the salesroom of Messrs. Jerome Rice & Co., No. 327 Montgomery street, San Francisco, State of California, on Saturday the 27th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale.

MARSHALL WINN, Secretary.

Office, No. 430 Montgomery street, Room No. 5, up stairs, San Francisco, California. 5-4t

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Warfield Mining Company, Placer County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 25th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Humphreys	3	100	$15 00
Joseph Wells	7	50	7 50
C D Smith	12	200	30 00
F C Nunnelly	15	100	15 00
Perry Clark	10	50	7 50
G G Brown	18	50	7 50
H W Starr	19	200	30 00
Hall & Allen	22	400	60 00
S Howard	23	200	30 00
B N Bugby	27	25	3 75
A Spinks	30	25	3 75
B F Bates	32	25	3 75
Fanness & Farmer	33	25	8 75
E Sylvester	34	100	15 00
Harvey Rice	44	50	7 50
N D Day	45	50	7 50
Rufus Smith	40	25	3 75
Alexander Mills	35	100	15 00
Amos M Smith	47	100	15 00
S McWilliams	51	25	8 75
A C Gordan	52	25	8 75
A D Whitney	53	25	3 75
C Holland	54	25	8 75
B F Glidden	55	200	80 00
F B Higgins	36	20	8 00
F B Higgins	37	20	3 00
F B Higgins	38	10	1 50
F B Higgins	39	10	1 50
F B Higgins	40	10	1 50
F B Higgins	41	10	1 50
F B Higgins	42	10	1 50
F B Higgins	43	10	1 50

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 22d day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

R. K. ALLEN, Secretary.

Office, No. 16 Metropolitan Block. 6-3t

Important to Californians.—Many inventors lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are done the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

New This Week.

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pais District, Marin County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Merriman	58 59 60 215	160	10 00
Aug Huenest	120 123 124 125 126 127 128 130 131	120	12 00
M Rosenbaum	171 172 173 174 175	100	10 00
Wm Bailey	141	20	2 00
Harrison Jones	218	20	2 00
A C Tellman	219	100	10 00
A Traebe	228	10	1 00
Ferdinand Lechr	229	265	20 50
Herrman Kutscher	232 233 234 235	200	20 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, No. 522 Montgomery street, on Monday the 5th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale. B. ROTHSCHILD, Secretary.

Office, 522 Montgomery street.

San Francisco, August 20, 1864. 8

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of ten (10) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.

Office, 607 Market street, San Francisco. 4

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 27th, 1864, and the sale thereof is postponed until September 12th, 1864. By order of the Board of Trustees.

8 GEO. W. GILDERSLEEVE, Secretary.

La Traviata Gold and Silver Mining Company, Calaveras County, California.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 12th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L Reupsch	13 14	17	$8 50
C D Taylor	27	35	17 50
M Greenthal	73	9	4 50
A Stolz	35	17	8 50
S Cohen	42 63	48	24 00
J Rabensburger	82 51 52	70	35 00
C J Steveue	56 57	10	5 00
M Weill	96	57	42 75
E Newmann	68 70	122	61 00
S Langstalter	71	18	9 00
L Blumenthal	70	5	2 50
Abrahams & Bro	78	4	2 00
J A Obergh	87	10	5 00
Ceo Haxe	92	70	35 00
R Cisar	95	13	0 75
Mrs White	105	5	2 50
J Mihielle	93	30	15 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on the 21st day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 8-1

Salamander Gold and Silver Mining Company, Mill Valley District, Calaveras County, State of California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of ten cents per share was levied upon the assessable capital stock of said Company, one-half payable on the 16th day of August, 1864, in United States coin, to the Secretary of said company, and the balance payable in thirty days from said 16th day of August.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 4th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. D. GALLAGHER, Secretary.

Office, No. 35 Metropolitan Block. 8-4t

San Francisco Moss Lodge Company, San Francisco District, A. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 16th day of August, 1864, in United States Coin, to the Secretary, at his office, No. 618 Merchant street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

ROBT. T. POLK, Secretary.

Office, No. 618 Merchant street. 8-4t

Caution.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the Imperial Gold and Silver Mining Company, as the same were sold for delinquent assessments, on the 12th day of August, 1864, and will not be transferred on the books of the company:

Nos. 6, 10, 11, 12, 13, 14, 33, 34, 35, 47, 48, 65, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 86, 87, 88, 89, 90 95, 96, 107, 108, 17, 18, 19, 20, 21, 22, 52 53, 54, 55, 56, 57, 63, 30, 32, 123.

L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street. 7-2t

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kauil	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parrington	11	16 2 3	50
A R Wheat	14	16 2-3	50
C W Botts	142	8 1 3	25
G B Lillie	159	14 2-3	44
R C Jacobs	32, 157	39 1 3	119
J J Corrigan	153	31	93
J F Dorland	39	8 1-3	25
F G Norman	02, 170	14 2 3	44
Chas E Brownell	118, 130, 140	15 2-3	47
Almena Summis	35	3	9
Miss M A Philips	54, 55, 0. 60 67, 68	33 1-3	100
J C Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Summis	37, 114	24 1-3	73
Eliza Taylor		8 1 3	25
Mrs H A R Carter	155	3 1-2	10
David Ross	80	9 2-3	29
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	88, 04	5 1-2	16
A J Ralston	85, 03	7 1-2	22 50
Gilbert Palache	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Ceo A Moore	111	8	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
E C Mathews	182, 172	3	9
Caroline Smith	149	1	3
Ceo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peek	128	4 1 6	12 50
Wm Crocker	87	8 1-3	25
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	120	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathewe	117	1	3
John Todd	163	2	6
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
H K Curtiss	171	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Silver Mountain Mining District, California.

Annual Meetings.

Mammoth Gold and Silver Mining Co.,		September	9, 1864.
Napa	do	do	12, 1864.
Sierra Nevada	do	do	12, 1864.
Baltimore	do	do	16, 1864.
Wisconsin	do	do	17, 1864.
Eldorado	do	do	15, 1864.
George Washington No, 2		do	November 17, 1864.
Silver Creek Gold and Silver Mining Co.,		September	17, 1864.
Tip Top	do	do	17, 1864.
George Washington	do	do	17, 1864
Illinois	do	do	19, 1864.
Silver Prize	do	do	20, 1864.
Silver Prize No. 2		do	October 7, 1864.

The above Mining Compauies will hold their Annual Meetings, on the days above nnmed, at No. 430 Montgomery street, San Francisco, for the purpose of electing Trustees for the ensuing year.

8-2t J. WARREN CLARK, Secretary.

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 15th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
P B Delfobach	20	200	$50 00
George Gibbons	17	200	50 00
George Gibbons	not delivered	100	25 00
W J Woodley	14	25	6 25
W J Woodley	15	25	6 25
W J Woodley	not delivered	100	25 00
G A Vanszckel	not delivered	450	112 50
Noble Lovely	not delivered	150	37 50
Capt N Haynes	not delivered	200	50 00
H Lovely	5	25	6 25
Geo E Davis	8	50	12 50
A J Chase	6	50	12 50
B G St. John	7	25	0 25
D C Breed	9	50	12 50
M D Gardner	10	100	25 00
E J Christina	not deliveroed	50	12 50
John S Butler	34	20	5 00
Charles W Pool	27	20	5 00
Charles W Pool	33	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 15th day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at Public Auction, at the office of the Secretary of said Company on the 3d day of Septemher, 1864, at the hour of 10 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale

S. C. GARDNER, Secretary,

Office, 605 Sacramento Street, San Francisco. 8

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 621 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 3d day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. G. ELMORE, Secretary.

Office 621 Clay street, San Francisco. 8-4t

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

COMMENCES

ON THE FIRST OF JULY, 1864,

WITH

An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
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An Incentive to Inventors,
A Reflector for Patentees,
And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

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As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

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Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

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ORNAMENTAL IRON WORK,

Cast, Wrought and Wire Railings, for enclosing

CEMETERY LOTS, DWELLINGS, PUBLIC SQUARES, &c

Verendahs, Circular & Straight Stairs, Doors, Window Guards, Stable Fixtures, Fountains, Vases, &c.,

Also, having purchased of the late firm of Hutchinson & Wickersham, Canal street, their entire stock of

BEDSTEADS, CRADLES, FURNITURE, &c.,

They now offer to the public, at their New Warehouse, the most extensive stock of Ornamental Iron Goods to be found in the United States. They have also purchased of the NEW YORK WIRE RAILING Co., the patent right and machinery for making

Wire Railing, Farm Fence, Window Guards,

GRATING, COAL SCREENS, &c.,

And will continue the *Exclusive Manufacture* of the same at their Works.

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(Opposite St. Nicholas Hotel,) 524 Broadway, New York.

Orders may be sent through the AMERICAN ADVERTISING AGENCY, 389 Broadway, New York. 6

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

Machine Shop for Sale Cheap,

—IN WHOLE OR IN PART—

Consisting of Steam Engine, Gear Cutter, Engine, Lathe, Vices, &c., &c.

☞ TO BE SOLD AT A BARGAIN. ☜

WM. H. DUNN,

8-2t No. 0, First Street, San Francisco.

THE WORLD'S HORSE FAIR!

AT SAN FRANCISCO,

—AND—

Ladies' and Gentlemen's Equestrienne Exhibition!

THIS GRAND EXHIBITION WILL be held at the BAY VIEW PARK, commencing September Second and continuing until the Eleventh, during which time the Mechanics' Fair will also be in progress—the Great Pavilion of which will be open every evening—so that persons from a distance can attend both Fairs during their visit to the City. For particulars and Premium List see large posters and California Spirit of the Times.

7-td BEN. E. HARRIS, Secretary.

MECHANICS' INSTITUTE.

INDUSTRIAL EXHIBITION, '64.

NOTICE TO EXHIBITORS,

THE EXECUTIVE COMMITTEE WILL BE PREPARED at the Pavilion, on Union Square, to receive Goods intended for Exhibition on the Twenty-Second of August, and none will be admitted after the 31st of August.

By order of the Committee.

C. B. PORTER.

N. B.—Newspapers publishing previous notices for the Fair will please discontinue them and insert the above instead. 7v9td

BOOKKEEPING.

YOUNG MEN CAN ACQUIRE A COMPLETE BUSINESS Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of PROF. LUTY, 305 Montgomery Street. The course of study prescribed for his students is more extensive and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable. 7-2m

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Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of

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— IN THE —

Photographic Art.

Jacob Shew's

CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.

[PATENT APPLIED FOR.]

THE UNDERSIGNED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a

SOFTNESS, CLEARNESS AND DELICACY OF TONE

unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.

In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.

"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.

☞ The public are invited to examine specimens at my Gallery. ☜ **JACOB SHEW.**

6-tf 315 Montgomery street, near Pine.

Lloyd's New Amalgamator Is a Complete Success.

THE RESULTS OF THE WORK DONE BY IT DURING THE past week are:—From 300 pounds of tailings from Volcano, Amador county, worked for Mr. C. B. Culver, was obtained 6 oz. 12 dwts., equal to $40 to the ton of 2,000 pounds. The original ore was worked by the old Mexican arastra. From 6 0 pounds of tailings, the original ore having been worked by Professor Ryerson's Superheated Steam Machine, was obtained 15¾ ozs., Ryerson's machine having only got 5 ozs. to the ton from the ore.

Result from 50 pounds of ore from Amador county, worked for Mr. H. F. Williams, of Graves & Williams, of the Pacific Fruit Market, in this city, was obtained:

Gold	$73 33
Silver	42
To the Ton	$73 75

The assay being made by Messrs. Molitor & Co.

From 2 pounds of the same ore, worked for the same party, was obtained:

Gold	$63 30
Silver	04
To the Ton	$63 34

Assay made by Kellogg, Hewston & Co.

The mine from which the above ore was taken has turned out over $10,000 gold and silver, and the average yield as worked upon the spot, has only been $6 to the ton. Varney's Pan has obtained as high as $75 to the ton from this ore—the difference in favor of Lloyd's Amalgamator being over Varney's Pan, $53 54.2 per ton; and over the works at the mill, $62 64.2 per ton. Result from 15 pounds of ore from Queen City Company's claims, El Dorado Canon, Arizona Territory, worked for Mr. T. Mudge, who obtained: Gold, $1.19, Silver, $1.52, amounting to $2.71-100—equal to $361.33-100 to the ton—the assay being made by Messrs. Molitor & Co. Mr. Deetken, at his metallurgical works in this city, obtained by the Varney Pan $154 to the ton—the difference in favor of Lloyd being $207.33-100 to the ton.

Result of 68 pounds of ore from the Lady of the Lake Company, Leland Lode, San Francisco District, Arizona Territory, worked for C. W. C. Rowell, was obtained $7.44 in gold, $0.25 in silver—$7.69—equal to $2.6.13-10. Assay made by Messrs. Molitor & Co. 100 pounds of the same ore, worked by Wheeler's Pan, and assayed by Kellogg, Hewstou & Co., yielded $7.58-00—equal to $111.60 to the ton. Difference in favor of Lloyd being $114.58-100 to the ton. Lloyd's is undoubtedly the best Amalgamator yet introduced, and certain to supersede all other Amalgamators now in use. Communications for Mr. Lloyd, either for assaying or other machines, can be addressed to the care of Messrs. Kustell Brothers, Metallurgical Works, Bryant street, between Third and Fourth streets, San Francisco. 20v8-3m

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, AUGUST 27, 1864.

VOLUME IX. Number 9.

THE INDUSTRIAL FAIR.

Tho work nf preparation for the Industrial Fair goes bravely on. Mr. Porter is at his post in the Pavilion, prepared to receive such articles as are intended for exhibition. Tho allotments of space npon the floor have been pretty generally made. Carpenters, machinists and others aro constantly busy puttiug up and arranging the heavy articles for exhibition. The eogines to furnish the motive power are olready set. Several cumbersome agricultnral implements, pumps, amalgamators, etc., are in the hoilding, nnd busy hands all around riog out the notes of preparation, that afford uomistakeable evidencs of the early approach of the opsning of the grond exhibition. The entirs length of the Pavilion is 375 fect, by 220 feet in breadth. The total arca covered is 55,000 square feet, snrmounted by a magnificent dome, the largest in iuterior diameter on the continent, and reaching to a height of 108 feet. Directly beneath this domo stonds a pyramidal framo work tower, or eircular flower stand, forty feet in hcight. This staud will be clad with benutiful flowers, and arouud it, on every side, fonntains of pure water will continually play. This will constitute, by far, the grandest floral display ever witnessed in California. The bnilding will bc lighted by 1000 gas burners, fed by nne and a quarter miles of pipe. There are four gas mains, about 800 feet in all, of 2½ inches in diamcter.

A large space has been set aside for the picture gallery, which has been divided into four halls, 100 feet by 25, each of which will be lighted by 50 gas burners in the evening. The light by day is most judiciously arrnnged, and cannot fail to fall npon the paintings with the best possible effeet. The entire wall room of the gallery comprises about 8,000 square fect. The picture gallery will form one of the chief features of the exhibition. Two of the departments will be devoted exclusively to oil paintings executed in California. Our resident artists have entered earnestly into the work, and are determined, that their portion of the exhibition shall be a credit, not only tn themselves, but to the State at large.

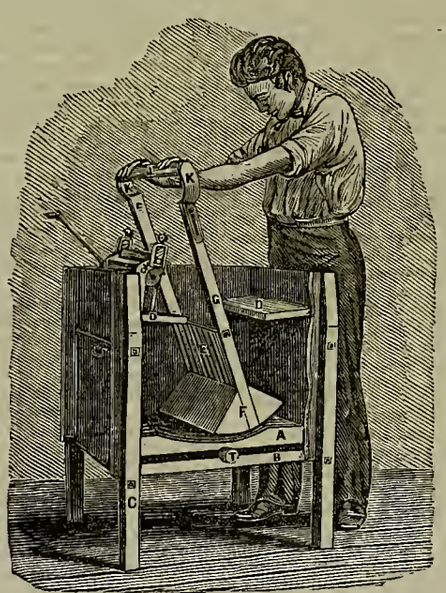
A refreshment room 50 hy 25 fect, exclusive of kitchen, has been put up, which will be fonnd a great convenience to visitors, to say nothing of the addition it will make to the receipts of the Institute. Of eourse there is no need that we should again assure onr readers that the exhibition is bound to be a great success. Everybody admits it. The city is already beginning to fill up with strangers, from the interior, and we shall expect to see them coming in next week, by thousands. Too great praise cannot be awarded to the managers who have eonducted the preparations for this exhibition, and to the Institute, as a body, who have devoted so much time and labor in preparing this grand entertainmont for the California public.

A new post offiee has been established at Roseville, Placer county, at the intersection of the Paeific and the California and Central Railroads—James Rice, postmaster.

GOLDEN STATE WASHING MACHINE.

This machine is ths invention of A. Badlam, Ssnior, of Saeramento, and is one of undoubted merit. The preliminary steps for obtaining letters patent for the same, have bsen made through the ogeney conneeted with this offiee.

The accompanying ent represents a sectional view, one side of the machins being takeo out to show ths interior, with a boy in the aet of working it. F is the dosher which strikes the two rolls of elothes; ooe on each side, thns keeping them revolving at eaeh stroke; A is a set of slats or bars 2½ inches in width by an ineh io thiekness, and are set edgewise about ⅜ of an ioch apnrt aud curved to with-



in four or five inches of their ends to correspond to the vibrations of the dasher. Beneath the slats and above B, the bottom of the box, is a water chamber one inch deep. Through this space the water rushes without interruption and from it passes up and down through the spaces bstween the slats and into the clothes, while the dasher is in motiou; after which this ehamber becomes the receptacle of the dirt as it settles away from the elothes, leaving them resting ou the edges of the slats for wringing. E is a set of pins placed in a row on the top of the dasher to keep tho rolls of clothes apart. T is tho handle whieh on being held revolves with the motion of the machinery in the two east-iron dogs, K K. The dogs have a slat and belt in them for the purpose of raising or lowering the handle, to inerease or lessen the power; serving also as weights to give force to the dasher. G is the brakes, 33 inches long; through tbese pnss a rod, 12 inchcs above tbe bottom of the dasher. The holes through which this fulcrum rod passes, are guarded by iron plates on botb sides of the box. D D are shelves, ssrving as dasb boards and preventing the water from splashing. C is the legs of the onachine; H is a wringer; T is the plug by which the dirty water is drawn off.

Persous who havo nsed this machine, pronounce it snperior to any in use. Already over one bundrod are in use in nud nbout Saeramento notwithstanding the short space of time it has been before the public. For cheapness, durability and effieacy, the patentce claims that there is no superior in the State.

Gun Cotton for Mining Purposes.

In our last number we gave an account of recent experiments with gun cotton, in Austria, showing its efficacy as a blasting agent. In this article we shall allude to the advantages of its use and manufacture. We quote from the chemical report upon Austrian gun eotton made to the Britisb Association by Dr. Gladstone:—

"Sincc tbe discovery of gun cotton by Schonbein, many experiments have been made with a view of introducing it to general use. Such serious difficulties, however, presented themselves, that the idea gradually eame to be abandoned everywhere but in Austria. Here, experimentation was kept up; and it having been reported on good authority that the experimenters had succeeded in overcoming many of the difficulties encountered elsewbere, the committee of tho Association applied to the Austrian Goverument for information on the snbject, whieh was furnished them. The following is a snmmary of the more important facts elicited:

In the first place, the gun cotton prepared by Baron Von Leuk, the inventor of the Austrian system, differs from the gun eotton generally made, in its eomplete conversion into an uniform ehemieal compound. It is well known to chemists that if cotton is treated with mixtures of strong sulphurie and nitric aeid, eompounds may be obtained varying considerably in composition, though they all eontain elements of tho nitric acid, and are all explosive."

The most complete combinatiou is formed by the Austrian chemists "triuntrocellulose," and consists of C_{12} H_7 $(3\,N\,O_4)$ O_{10}. This is of no uss whatever for the making of collodion, whereas ordinary cotton is ths sols source of collodion. It is, however, Von Leuk's gun cotton, ond he secures its production by sevsral precautions, of which tbe most important ars tbe cleansing and perfect drying of tho cotton before its immersion in the acids; the employment of the strongest acids obtaiuable in commercs; the steeping of the cotton in a fresh strong mixture of the acids, *after* its first immersion and consequent perfsct conversion into ordinary gun cotton; ond the continuance of this second steeping for 48 hours. It is then allowed to wash in a stream of pure water for sevsral weeks. The want of these prolonged processes seems to have been ths cause of the earlier failuros. Von Leuk's gun cottoo, thus prepared and freed from all trace of acid, is not liable to some of the objections urged against ordinary gun cotton. It has becn kept uninjured 15 years, although ordinary gun cotton is quite liable to spontaneons decomposition. It does not ignite until it is raised to 177° Fahrenheit; it absorbs moisture but slightly, and is entirely free from ash. The gases produced by its combustion are comparatively innocuous, thongh some varieties of *ordinary* gun eotton are said to have produced both nitrous fumes and prussic aeid.

It seems a disndvantage, as compared with gunpowder, that it explodes at so low a temperature as 277° Fahr. Yet ten years experience has proved that this temperature is sufficiently high to insurs safety of handling. It is an nrtificial temperature, and artificial temperatures aceidentally produced are generally high enough to ignite gunpowder. Its manufaeture and transportation is far safer than that of gunpowder. During the process of manufacture it is always immersed in liquid exeept during the final drying. At this stage of the operation it is placed in a rapidly revolving wheel or seive, and the water contained in it is driven out by eentrifugal force, It is then thrown out into the sun to dry. It can be stored under water, and dried in small quantities as it is wanted, for it is not injured by damp like gunpowder. Tbe main advantages of the Austrian gun cotton over gnnpowder are as follows:—

1. It is cheaper; not by the pound—but it costs less than an amount of gunpowder capable of doing the same work.

2. It is far more powerful—so that by using it, a smaller number or smaller size of drill holes are required to produce a given result tban wben gunpowder is employed.

3. It does not fill a mine or drilt with smoke aod tbus delay the miner until the smoke ean be expelled.

Its disadvantages are: 1st. That it is only prepared in a foreign country, and ean only be had by speeial importation.

2nd. It explodes at a much lower temperature than gunpowder and eonscquently require more care in handling—and especially in tamping in a drill hole.

In view of tho faet that its use in mining is constantly increasing in Austria, wbere it is known, is it not worth while for our practical miners to look into the subjset practically? A trial of it could in any event be but a trifling loss to any of the great mining companies at Virginia City or Gold Hill while its introduction might prove of incalculable value to them and to the whole mining region on this coast.

Correspondence.

[Written for the Mining and Scientific Press.]

Letter from Esmeralda---A trip to Bodie Mines.

Editors of Mining Press:—Perhaps it may be of interest to some of your readers to hear something late from the above named mines. In company with Mr. F. K. Bechtel, Mr. Daggett and Mr. Sanches, (who by the way is a banker here,) we all started in a coach and four for a ride of about eight miles, to see the celebrated Bodie mountain mines. After traveling about a mile and a half in a westerly direction we arrived in sight of the Real del Monte and Antelope quartz mills. As these fine works have before been fully described in your columns it will be sufficient now to say that these structures are model mills and a credit to the builders and owners, as well as to the section in which they are erected. They will compare favorably with any quartz mills in the Territory, and for durability, beauty of structure and cheapness of cost, will put to blush the famous Gould & Curry. They are built of brick and fire proof. After leaving these mills we traveled up a deep gorge, overhung with a rocky precipice, the hills surrounding which being covered with a dense growth of good fire wood make this a romantic and and delightful cañon through which to pass. In winding our way up this deep gulch we passed several fine quartz mills, pounding away as though the owners were determined upon setting something in circulation if it should be nothing more than the stamps, but I am credibly informed that the mills are all doing well, but on account of the scarcity of that most needful of all elements, water, they are unable to run only in the day time.

RAILROAD TO EAST WALKER RIVER.

Here allow me to state the only great objection I have found to this rich section is the searcity of water, and perhaps it would not be out of the way to say that this obstacle could be overcome by building a railroad from the mines to East Walker river, a distance of only about fourteen, miles where the best water sites for mills can be had. This is a feasible route and in my opinion will sooner or later be accomplished and the company that gets the road through will make it pay; for such lodes as are to be found in this section will not be allowed to lie dormant and useless on account of the want of conveyance of the rock to water. But to the subject of my trip.

THE BODIE MINES.

Well here we are in full view of the celebrated Bodie mountain. The first impression made upon my mind (and doubtless it is the same with all new comers) was that the mines would prove considerable of a humbug. The mountains which surround this rich district, the apparent scarcity of wood and water, and the idea that this was another exploded humbug which was being revived, I must confess had at this moment made a very bad impression on my mind, and I was almost ready to condemn the mines before I went any farther; but as I have learned by experience that it is better to be governed by practical examination than by the surroundings, I concluded not to express an opinion until I had examined both sides of the hill, the top, the bottom and the center, if it were possible.

THE SAN ANTONIO MINE.

While I was thus cogitating we arrived at the shaft of the San Antonio mine, owned and worked principally by Mr. Bechtel, of this place. The shaft is down about 130 feet. In descending into the mine, I was not able to see much of the formation, but on arriving at the bottom we found some twelve or fifteen hardy miners delving into the lode, which at this point is pitching slightly eastward. A "horse" is here thrown into the lode, which divides it, leaving the main ledge, where the men were at work, about three feet wide, and and fifty in length; but it is quite evident that when this claim is worked deeper, the numerous veins that are interspersed through the surrounding porphry, will come together and form a large lode or pay ledge. The quartz found in these lodes is principally gold bearing, and it is not therefore desirable that it should be so extensive or wide as is usual in silver bearing lodes. If I am rightly informed the assayed value of the bullion is about $12 per oz. and the rock assays between $50 and $75 per ton. Mr. Bechtel is having 100 tons of this rock hauled to a mill in the neighborhood to be crushed as a working test, from which he will doubtless receive a handsome return. I pounded out some of the rock in a hand mortar and the prospect was entirely beyond all I had expected, having got so fine a quantity of free gold out of it that I put it in a paper and brought it along with me as a proof of its great richness.

THE NEW MEXICO.

On leaving the San Antonio we next visited the New Mexico. The formation here is somewhat similar to that of the San Antonio, but giving more evidence of a water formation, being interspersed with a washed gravel. The quartz in the San Antonio claim is more crystalized, while the other is a decomposed quartz. Most of the quartz and also all the earth in and on this mountain appears very rich with gold, there having been placer mines worked here when water could be had, that paid well.

BODIE BLUFF CONSOLIDATED.

The next claim we visited is termed the Bodie Bluff Consolidated and is reported to have recently changed hands and been bought for a New York Company who intend erecting a quartz mill in the vicinity of the mine. The character of the rock is the same as that in the San Antonio. Work is suspended on this claim for a short time.

THE GEOGRAPHY OF THE COUNTRY.

Before I close I must give your numerous readers who have not yet visited this section some idea of the geographical position of Bodie mountain. Standing on the summit and looking south about twelve miles, the beautiful lake of Mono is distinctly seen, bounded on the west with a long range of the snow clad Sierra; to the east the White mountains are observed rising in their beauty, covered with a beautiful growth of timber. This most singular lake is fed from the melting snows and numerous springs flowing from the surrounding mountains. I suggested to Mr. Bechel that these streams and the lake would make good fishing ground, but was surprised when told that no fish are found in them. The water of the lake is alkalied and is filled with a sort of tad-pole which give feed for the numerous ducks and sea-gulls that abound there at this season of the year. The fact that this lake and its tributaries not containing any fish makes it the most singular body of water I have ever visited on the Pacific Coast. There are rocky islands in its center, that abound with guls, where quite a number of eggs are frequently gathered and brought to this market. They are said to be better and not so strong as those gathered outside of your Bay on the Faralones. The town of Mono lies directly south of this lake, where there are placer mines being worked to advantage. I have seen some of the dust. It is worth about $14 per oz. You will hear further from me after I have had time to visit other mines and localities.

A. Traveler.

Aurora, August 20, 1864.

What is My Country.—An old soldier, lately appealing to his son to go and fight for the government and Union, said: "Perhaps you have never thought what country means? It is all that surrounds you—all that has brought you up and fed you—all that you have loved. This country that you see—these houses these trees, those girls that go along there laughing—this is your country. The laws which protect you, the words you interchange with others, the joy and grief which come to you from the men and things among which you live—this is your country. The little room where you used to see your mother, the remembrance she has left you, the earth where she rests—this is your country. You see it, you breathe it everywhere. Think to yourself of your rights and duties, your affections and your wants, your past and your present blessings, write them all under a single name—that will be Your Country! We owe it to all that we are, and he who enjoys the advantage of having a free country and does not accept the burden of it, forfeits his honor, and is a bad citizen. Do for your country what you would for your father and mother."

Prices in India—It would appear from the following that a plethora of gold is about as bad in inflating prices as a plethora of paper. Late accounts inform us that prices are higher in India at the present time than they were a year ago by a hundred per cent. "The silver rupee, worth about fifty cents, will not buy as much as twenty-five cents in England. Articles of ladies dress there cost five times as much as they do at home. And yet India is draining Europe of specie and keeps it all.

[Written for the Mining and Scientific Press.]

Letter from Nevada City.

Editors of Mining Press:—The drought and distant mining excitements have done all the injury to this section of California that they are likely to do. Fruit and the trees, shrubbery and vines that have survived the water famine thus far will not be cut to perish late in the season. A large number of our people who have been lured away to Nevada Territory, Idaho, Colorado River, and other far-off places, by fabulous reports of mineral wealth, are returning in large numbers. Most of those who return confess that their efforts to develop silver mines with small capital have been a failure. Business in Nevada and Grass Valley is certainly improving. Not a decent dwelling in either of these places remains unoccupied for want of a tenant; while one year ago there were hundreds of houses and cabins "to let."

The uniform testimony of those who have returned from their laborious and fruitless toils in search of silver mines is, that wealth is more surely obtained here, in gold mining, than elsewhere in silver mining. And while they have faith that the undeveloped leads in Nevada Territory, for instance, are rich in silver, the great amount of capital required in their development, and the unpleasant features of a distant and barren country, are barriers that will require years of civilization to surmount. Here they are sure to find mineral wealth, if earnestly sought for, a fair recompense for their labor, and where, if they have not a home, they can make one and have it surrounded by those comforts and endearments that make life "worth living for." They come back with the determination to stay, and generally engage in quartz mining or prospecting, and already, we perceive, with good results to this all important branch of mining. The quartz mills here, with hardly an exception, are running and doing on the whole a safer, surer, and consequently a better business than ever before, and are producing more gold.

A new mill completed about four weeks ago on Diamond Creek, near Omega, I learn, cleaned up $14 to the ton during the past week. The Star mill near Eureka is now completed and was expected to commence operations to-day. Much interest is manifested in this city in regard to the success of this mill, as there are a large number of ledges in its vicinity, besides those owned by the Star company, that have every indication of being valuable, but their inaccessibility has hitherto prevented their being thoroughly prospected. The construction of the Star mill is likely to obviate this difficulty and open to miners an apparently rich mining region. Quartz mining is now being carried on with practical energy. Money is not squandered by individuals or companies in building expensive quartz mills and erecting a palatial residence for the superintendent or president to live in, before they have tested their claim, as they have in days gone by. Now, before they erect a quartz mill, they prospect their lead and ascertain the important fact whether it will pay or not. The hundreds of thousands of dollars thrown away here, years ago, in reckless and injudicious mining, has had the good effect to open the eyes and sharpen the judgment of quartz men, and has taught them that while the wealth of this country lies in gold-bearing quartz veins, the same can best be unlocked from its resting place by systematic, skillful mining. It is found to be much more economical to purchase machinery and sink one, two or three hundred feet on a ledge, proving its value in a measure, than it is to build a mill and then do the prospecting. Improvement in building mills and in the machinery used has kept pace with the times. For instance, a mill built seven or eight years ago near this city at an expense of nearly or quite $100,000 is not as valuable as one that could be erected now for one sixth that amount.

A new ledge was discovered, a few weeks since, near the old Butterfield mill, on Little Deer Creek, by N. M. Burnett, Sparks and two others. Forty-five tons were taken out and crushed yielding $1485, or $33 per ton.

I will here add that this city has been rebuilt so rapidly that traces of the great conflagration of last November can hardly be found, and the city can boast of better buildings than ever before. New buildings are still going up and we are all looking forward for the rainy season which will unlock the treasures of the hills and give us gold and water as a recompense for the effects of fire and drought which have borne heavily upon us during the past year. Our people deserve prosperity for their energy—for a season at least—and I trust they will get it.

Beaumont.

Nevada, August 20, 1864.

Copper Mines in Nevada.—The Nevada *Transcript* has the following favorable notice of the mineral resources of that county:

The confidence of those most interested in the copper mines of this county has not abated one whit. Work is being done on the best claims with flattering prospects. In the Well claim, located at Spencerville, the ore still continues to improve as they sink upon the lead. The shaft has been sunk to a depth of ninety-five feet on the eastern wall of the ledge. We understand that it is proposed to drift through the ledge as soon as a depth is reached where the value of the claim can be fully tested. A drift has been run through the lead at a distance of seventy feet. A miner of fifteen years' experience in the mines of England pronounces the Well lead richer than anything he has ever seen at the same depth. The Mammoth company has been taking out some excellent ore, but the work has been impeded by the large amount of water. J. J. Lyon of Sacramento, is putting up a pump capable of discharging 1,200 gallons of water per hour. The Mammoth will pay well some day. The stock of the company is owned mostly in Sacramento. From the Green Lead considerable quantities of ore have been shipped to Europe. No returns have yet been made from that country, but an advance of $62.25 made in San Francisco has lightened the assessment of the company considerably. The shaft is down about eighty feet on the west wall, and they are now drifting through the ledge. A great drawback to the development of the copper claims has been the want of capital. Many of the owners are poor men and after the first wild excitement passed away, capitalists became frightened. Assessments remained unpaid, and the immense cost of prospecting the ledges had to be borne by a few men. Now, every day or two, agents from San Francisco and Sacramento are traveling over the copper section inquiring what one and another lead can be bought for. Most of those who have been toiling for a year to develop the claims in that section refuse to sell.

Irrigation.—The Visalia *Delta* offers the following very correct and sensible suggestions with regard to irrigation:—In setting out trees bore a three or four inch hole down to water, immediately under the tree when planted, and fill it up with coarse sand, then put in your tree and it will never need any other irrigation than what will be afforded from the lower earth, on the principle of capillary attraction caused by the sun's rays upon the earth's surface.

We have practiced the above method of irrigation, and can with confidence recommend it to our fruit growers. They will find it much less expensive than surface irrigation, and one that will greatly improve the quality of their fruit.

While on the subject we would suggest a better and cheaper method of carrying water through lands, for irrigating purposes, than by ditches, viz: By the use of irrigating-pipes, which are made of a porous material to allow seepage, the clay of which bricks are made in this place, being, we think, of a suitable character. The advantages of this mode of conducting water, which would not be very much more expensive, in the first instance, than open lateral ditches, would be that, in the first place, there would be no wastage of water by evaporation and otherwise; and second, there would be no break in the fields, as the pipes could be buried so deep as to be out of the reach of plow and spade; and thirdly, they would require no repairs; when once laid they would be a fixture for a life-time. But the greatest advantage, in our opinion, is yet to be named, to wit: both ends of the pipe being open, it would, being pervious to water, be a perfect conductor of air, just where it is wanted, at the roots. It is a fact not generally known that vegetation needs fresh air to breathe, and that it is just as essential to its life and growth as to animal life. We are not quite sure that such conductors, of air, to the roots, without water, would be sufficient; but when both are supplied, it renders "assurance doubly sure,"

A Perilous Feat.—The Oil City *Register* describes a feat performed by Prof. J. B. Allen on the 4th of July. The *Register* states that Mr. Allen, who is not a professional gymnast, crossed the Alleghany river on Lay's ferry wire, an inch rope, suspended from a pole at each side of the river, the rope being eighty feet high and one thousand long, and not guyed in any manner, except by the wire of the ferry boat. The Professor's apparatus is described as consisting of a flag-staff set into the end of a piece of ordinary new gas-pipe, surmounted by an eight foot flag. This staff was thirteen feet above and nine feet below the wire. To the lower end of this was a balance weight of seven and three-quarters pounds. This staff was run upon the top of the wire by means of a pully-wheel, not fastened in any way to the wire. The Professor walked over by pressing against this apparatus with his balance pole.

[Written for the Mining and Scientific Press.]

NEW YORK CORRESPONDENCE.

BY FRANK WARDDELL.

NEW YORK, JULY 26, 1864.

EDITORS OF THE MINING AND SCIENTIFIC PRESS:—Yes! sad, sad indeed are my feelings thus to be called upon, as I am in this the first instance of my correspondence, to chronicle the fall of so true a soldier as Maj. Gen. McPherson, one of California's favorites. In the death of this officer, who was killed before Atlanta, on the 22d inst., the country loses one of its ablest and best servants, and the army an engineer who, by the general consent of his fellow officers, stood first and foremost in that department of the service. Gen. McPherson has been on duty in the West since the opening of the war. He was with Buell in Kentucky, and subsequently in the advance of our army through Tennessee. He had the important and difficult duty of keeping open, and in order, the Louisville and Nashville railroad. When the campaign against Vicksburg began last year, he was assigned by Gen. Grant to the command of the advance corps, and afterwards, during the siege of that place, commanded the center of our army. In that position he had the main direction of the siege operations, and was spoken of in the highest terms by Gen. Grant in his official report. Subsequently, Grant wrote a letter urging the confirmation of McPherson and Sherman as Maj Generals, and in it also spoke of both these officers with a warmth and appreciation which was remarkable in one whose language is usually so modest and guarded. After the fall of the city he remained in command there for some time, until he, with the greater part of his command, was transferred to Chattanooga. In the advance from thence upon Atlanta, begun in May last, he has borne a glorious and always prominent part. His corps has been foremost in the fight. His loss is a most deplorable one, and to his companions in arms, to the old army, and to the country, it is an irretrievable one.

REAL ESTATE IN NEW YORK.

There has been no speculation in real estate in New York, as a general thing, lately. Property can be bought for about the same price as before the war, with the exception of what I style fancy property, on Murray Hill, Fifth Avenue, or Madison Square, which, instead of going down, is sold for more than it was six months ago. Houses that last spring commanded, from thirty to thirty-five thousand dollars, are not now to be had at less than from forty to forty-five thousand dollars. The last house sold in Fifth Avenue, 25 by 100 feet, for which fifty thousand dollars was asked in the spring, has recently been sold for sixty thousand. In fact, the price of labor is so high, and first class houses so scarce, almost any price, within reason, can be obtained. The sales of one real estate house have been over six millions of dollars this season—sold to actual tenants and not for speculation.

DULL TIMES AND HIGH PRICES.

The times here are remarkably dull; little or nothing doing; stocks anything but active, and future prospects none too bright. Prices are exorbitant; shirts, for instance, $70 per doz.; clothing (black suit), $95; gents' kids, $3.50; boots, $12 to $16 per pair; first class hotel board, $5 per day; meats 25 cents per pound; sugar 30 cents; butter 50 to 60 cents; and other things in proportion. If something is not done, and soon at that, the poor classes will rise and demand that goods shall be put down to prices within their reach. Matters are beginning to look serious, and if a riot and uprising of the people is to be prevented, influential citizens must soon make a movement for the purpose. There is no use in arguing with hungry people; what they want is food, at fair prices, and that they will have, no matter what the dreadful result may be in the way of bloodshed.

MINING STOCKS AND STATE OF THE MARKET.

The excitement in mining stocks has all died out, with the exception of a few well known stocks. Parties will not so much as look into what you have to offer in the way of operations. The excitement only lasted here about three months, and during that time any and every thing could have been incorporated. All that was required was to advertise your scheme, saying such and such a company, with so many millions capital, will be formed, books open so many hours at such an office, and in the course of an hour or so the stock would all be taken up. What a contrast is now presented. People will not invest one dollar, no matter how promising the scheme. Take the advice of a disinterested party, and do not leave California with the idea of disposing of mining interests here, for, in modern parlance, the thing is now "played out."

A CALIFORNIA JEREMY DIDDLER.

J. Silversmith, of California notoriety, has been figuring around very extensively here, upon the strength of having once been editor of the MINING AND SCIENTIFIC PRESS; also, as the author of a "thousand and one" world renowned publications. No doubt he will try and dupe the New Yorkers, as he did the Californians about his European trip, to represent the mineral wealth of the Pacific slope. In the Pittsburg *Commercial*, of the 25th instant, I notice the following item:—"J. Silversmith, who is in New York, calling himself the "explorer of the Pacific Coast," is pronounced by the California papers to be a humbug and a forger." If a man can succeed with this kind of recommendations going the rounds, why, they are greater fools here than I take them for. This individual has hired a nice office located at No. 28 Pine Street, and styles himself "Stock Dealer" and Notary for Nevada Territory. How he came to receive the appointment from the Governor is really a mystery to me, as it is to many others who know of the artful dodges which he has performed in California upon so many occasions.

THE WEATHER, AND HOW FOLKS DO IT.

The weather is delightful and exceedingly pleasant, for this season of the year. The city, however, is not gay, for most of the *ton* are out of town. It could not be expected to be otherwise, especially if you desire to be considered fashionable. If your purse will not admit of this luxury, instruct your domestic to lock the front door of your residence, and to acquaint all callers that you are out of town. This she does by coming up from the lower door, which gives a more truthful appearance to the story. Readers may laugh, but nevertheless, the thing has actually occurred. Who wouldn't be considered fashionable?

DANGER.

New York streets are dangerous, just now. People are shot down by members of guards in pursuit of escaped bounty-jumpers. Stray bullets come from, no one knows where, often to enter the breasts of the unoffending citizens; and the use of firearms by the mob is the occasion of numerous accidents. Drivers seem desirous of running over pedestrians, and policemen calmly look on, with hands in their pockets, and wonder why the stupids didn't get out of the way. Moreover, when an accident happens, no one seems to consider it his business to attend to the sufferer. Surely this is a glorious state of affairs in a civilized country.

CALIFORNIA BROKERS IN NEW YORK.

The city is full of our Montgomery street "sharpers," all with their eyes wide open, and looking out for an opportunity to dispose of their *valuable* mining interests. I have conversed with many of them who seem sanguine of such an improvement in the times soon, as will enable them to take back with them to San Francisco a comfortable pile of Uncle Sam's currency. They do not look so much "at home" on Wall and William street as they did on Merchant, Montgomery and Washington streets. They seem to feel rather out of their element, which is not surprising, when we take into consideration the different style which the New Yorkers have of operating in stocks. The Metropolitan Hotel seems to be the center where old Californians congregate to talk over Gould & Curry, Savage, Potosi, etc., at the same they do not forget the happy days when del Monte was their "brightest hope and joy." We get the stock sales report each day per telegraph, and very attentively is it read by the San Francisco brokers here. As yet I have not been in any of the "Boards," but expect to go into them in a day or so, other business having prevented your correspondent from accepting of several invitations to visit them.

COLD VS. GREENBACKS.

It is astonishing how the people stare at you if by chance you take a gold piece from your pocket. Persons will come up to you and ask the favor of examining the piece more carefully, it having been so long since they have enjoyed the luxury of handling a gold coin. You will meet numbers who carry a ten cent piece, or other small coin, attached to a watch chain, as a charm or curiosity. I perchance enter a car and thoughtlessly offer the conductor a bit; he looks at me in wild astonishment, and falteringly inquires where I am from; after being duly informed, he heaves a sigh, and remarks "what a glorious country to live in to be sure." It is a task for Californians to get used to this infernal currency (I mean nothing disloyal, but refer to the worn out, greasy, forlorn condition of the same). Then if they have not change, they give you some of their own *private* currency, which is good for one or two cents' worth of whatever article they deal in. To use it looks odd and decidedly "picayunish." When the steamer arrives from Aspinwall, you see these gold operators flocking around the lower grade of hotels, trying to purchase gold from the passengers before they have an opportunity of ascertaining the ruling market rates. Being in one sense of the word a New Yorker, having been born here, I am vain enough to think I know how they perform these artful dodges; but to a stranger who is not "posted," this is a bad place in which to travel alone, "as sure as you live."

SINGULAR DISCOVERY.—Mr. Tourtellotte, a short time since, brought to the office of the Reese River *Reveille*, from Bunker Hill mining district, a number of specimens of great beauty. They were taken from a cave discovered in the Brown lode, and were covered with a delicate frost work of needle-like crystals of various colors, white, green, blue and purple, brilliant and sparkling. Their appearance much resembled a mass of rich, variegated velvet. The ledge from which they were taken is an anomalism in mineralogy. The matrix in which the silver and gold is found is limestone, no quartz having made its appearance. It is undoubtedly rich, native silver and gold being often visible in the rock. A prospecting tunnel had been started in, which, after finding occasional evidences of silver ore, at the depth of about forty feet penetrated a cave, around which were found beautiful crystals, and the rock filled with rich ore. The rock taken out has been experimentally worked at different places, paying from fifty to one hundred dollars per ton. Several tons have been sold to a company running an arastra mill on Big Smoky, at the rate of ten dollars a ton. There are several small mills building on the stream, and work will be commenced in a few days on a ten stamp mill to be run by water. There is a plentitude of rock that will pay from fifty to one hundred dollars per ton, and when the necessary mills for working it are erected, the district will doubtless stand first class among the mines of Nevada.

MEXICAN DOLLARS are growing into disfavor among the Chinese and other natives of the East Indies. A decided preference is now given to silver bullion, even at an enhanced price. California and Nevada Territory will soon be able to furnish all of that commodity that will be called for; and out of it, doubtless a large and important direct trade will soon grow up between San Francisco and the Eastern ports of Asia. A trans-continental railroad and lines of first class ocean steamers to cross the Pacific, will soon become matters of indispensable necessity to the growing commerce of this city.

TREASURE LIST.—The Golden Age, which sailed on Tuesday last, took away with her four hundred passengers and $881,516.28 in treasure, the latter destined as follows: to Panama, $10,000; to New York, $264,924.08; to England, $506,592.20.

The Breath of Life.

Whatever lives must breathe. Whatever shelters or feeds life must breathe also. As is the breath so is the life, for health is but a pulmonary function and happiness a castle in the air. The blood, stifled with ill supplied air or incapable lungs, blackens and curdles; the hair stifled beneath an impenetrable hat, dies and falls away; the skin, stifled by garments too many and too close, or smothered by its own unremoved excretions, yields its duty as guardian of the outposts of life and betrays the citadel to the enemy.

It utters its mute protest against rubber boots and air-proof coats, which, unless briefly and loosely worn, are portable death. Houses, too, must breathe as well as garments. A breathless house is suicide made easy. The asthmatic complains of his labored breathing, but forgets that his house wheezes worse than he through its listed windows and doors. He shuts the casement because it admits cold; he turns the stove damper because it allows the heat to escape. How is his house to catch its breath with mouth and nostrils closed? Mamma folds her sleeping little ones in blankets, and tucks them into their close cribs with impenetrable Marseiles, of a texture fit for a balloon; if the chicks are timid they draw the white drapery over their heads, shutting out any quantity of bugbears, but shutting in a veritable nightmare of exhausted and poisonous air. Warmth is essential to comfort, but pure air and rich blood are the healthiest heaters known.

Observe how Nature breathes. The earth itself floats in an air-bath forty-five miles in depth. The soil must breathe or it will not bear. Not only must the plough let in the air from above, but a porous subsoil or frequent drains must give it an exit from beneath, or you win only grudging gifts from the smothered soil. Choose a flower-vase of wedgewood ware, and without an opening at the bottom, and the rose folds its green calyx in despair about its stifled buds. Nay, let the pores in the stems and leaves become chocked with dust, and the plant dwindles and dies of voiceless vegetable catarrh. The ocean breaths in the trade-winds and laughs in the shouts of the tempest. Its slow-beating pulses are the tides: mountain billows are the heaving of its lungs. The kiss of the breeze gives it health and purity; both are strangled by the leaden weight of a breathless calm, and

> "Slimy things do crawl with slimy legs
> Upon the slimy sea."

Since then our life is but a breath, let it at least be strong and pure, and let us not attempt the futile experiment of seeking it in an exhausted receiver.—*Springfield Republican.*

MINE VENTILATION.—A simple mode for ventilating is adopted at the Hampton mine, near Londville, Northampton. A wooden box has been put in, six inches by three, open at each end, and running 1,000 feet, being the whole length of the adit. An air-tight door is placed across the outer end. The air passes to the working end, and following back, through the adit, goes up an air shaft 300 feet from the outer end; a wooden chimney thirty feet high, placed over the shaft, surrounded by a patent ventilator, assists the current of air. The draft through the box pipe is so strong that it will blow out a lighted candle placed at the end. By this simple contrivance a constant and ample supply of fresh air is supplied to the miners without any expense for working.—*English Exchange.*

It is a matter of no little surprise that, after all that has been said and written about the above mode of ventilation, so many miners will still persist in the old and expensive method of sinking deep "air-shafts." We have never yet heard of any case where the above plan of ventilation, when properly applied, has failed to furnish an abundance of good air. There may be times when the current will be a little slow, but such a difficulty can always be overcome in a few minutes by placing a dish of burning charcoal just within the mouth of the chimney, which should be so constructed as to be easy of access. An apparatus for burning coals in the chimney is best made of stout wire or nail rods, interlaced, and sufficiently dishing to sustain the necessary amount of coals. It should be hung within and a few inches below the top of the chimney, and if once ignited it will soon establish the required current.

MANUFACTURE OF SODIUM.—In the manufacture of this article Mr. Edward Sonstdat proposes to substitute gypsum or sulphate of lime for carbonate of lime, as the gypsum at once oxidises the carbonic acid into carbonic oxide, which has no destructive effect on the sodium, of which a larger yield is obtained. The gypsum is well dried before it is used.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, August 27th, 1864.

The resignation of the Federal Judiciary of Nevada Territory and the decision of the Referee in the injunction case of the Gould & Curry Company *vs.* North Potosi, are the most interesting events of the week in Stock circles.

Efforts are being made to secure a successor to Judge North before the Judges under a State Government go into office, early in December, in order to hold the November term of the District Court in Virginia City, and if the politicians of California, and the bar of Nevada Territory can unite upon a suitable person to assume the judicial robes of the late incumbent, the President will doubtless at once comply with their wishes.

The report of the Referee, Nugent, is worthy the careful perusal of all who are interested in claims upon the Comstock. It is a learned and able argument in support of the one ledge theory, and is alike creditable to the legal acumen and logical power of its author.

The Share Market has been somewhat apathetic this week, and leading stocks were rather less firmly held. At the close, however, a better feeling was apparent and a number of shares are stronger at enhanced rates.

Gould & Curry has been dealt in to the extent of 72½ feet, advancing from $1,450 to $1,500, receding to $1,330 seller 30, rallying to $1,395, again declining to $1,340, then rising to $1,410, and closing last evening at $1,450 asked. The receipts of Bullion for the month of August from this mine, will amount to about $225,000. Three ontside mills are now employed in the reduction of some 30 tons of ore per day in addition to about 60 tons worked at the Company's Mill, and it is stated that a contract has been made with Lamb's Mill to crush the finer ores. It is the intention of the Company to thoroughly prosecute explorations in every portion of this claim, and to extract sufficient ores to meet the expenses attending this work of development and to pay a regular monthly dividend of $50 per foot. It is thought that the management can and will adhere to this policy for some time to come, at least, without making any especial effort to increase the production of the mine for the purpose of temporarily augmenting the dividend account.

Savage has been inactive, declining from $1,275 seller 30, to $1,220 buyer 10 days, and closing at $1,300 bid buyer 30. Receipts of Bullion for the month will, it is thought, reach $150,000. The net earnings of the Company have been accumulating recently, and a dividend of $50 per foot will be declared for the current month.

Belcher is in rather less favor, and is now offered at about $860. No dividend is anticipated for the month of August, owing to certain work necessary to be done in the mine to properly prepare it for future operations, which has interfered with the extraction of ore.

Potosi has been less firmly held and 20 feet were sold, declining from $900 to $850, slightly rallying to $875 buyer 30, and offered last evening at $860. Some half dozen mills will be at work in a short time, crushing 100 tons of ore daily. A large force is now at work in this mine.

Ophir has fluctuated but little this week, opening at $487, advancing to $500 and closing with comparative steadiness at $500 asked—16 feet were sold. The receipts of Bullion from this mine for the current month will amount to some $50,000. The Company's new 24-stamp mill on the Carson River will be in operation about the 15th proximo. This mill has been erected at a cost of some $45,000 for the purpose of especially treating low-grade ores, of which there are 2,000 tons ready for reduction at the mill, and 4,000 tons on the dump at the mine. It is thought that a sufficient quantity of these ores can be taken from the mine to give steady employment to the new mill for more than one year to come and that they will be made to yield a handsome revenue to the Company. The expense of milling will, it is hoped, not exceed $5 per ton. The Central Shaft is now down 100 feet below the level of the seventh gallery in the Ophir, and it is proposed to sink 100 feet deeper before drifting into the latter mine. In drifting and cross-cutting from the same level in the North mine no well defined and compact body of ore has been found lately.

Chollar has been largely dealt in and 95 feet were sold, declining from $505 to about $475. Some trouble has been met with this week in arresting the flow of water from the South West drift, but no future difficulty is anticipated. Telegraphic advices received yesterday, state that this new deposit is now 8 feet in width and promises to become a large and valuable chimney of ore. It is about 120 feet distant from the southern end of the old works in the 4th level, and some 20 tons of average ore from this portion of the mine has yielded some $85 per ton. At the close $490 was bid, buyer 30.

Hale & Norcross advanced from $400 to $490 and was held at the close at $500. The drift from the 545 feet level has penetrated the clay wall of what is supposed to be the Comstock lode, and a few days will determine its character.

Yellow Jacket was sold at $400 and $375, and closes at $360 bid. A vein of good sulphuret ore was found this week. Crown Point is in some request at $350 bid.

Uncle Sam sold at $220, at which it is now offered. Sides was dealt in at $100 per foot. Overman is weaker and in less favor at $150 bid, cash, and $200, buyer 30.

Imperial has steadily advanced from $125, seller 30, to $132 and is now firmly held. Owing to a temporary interference with the water of the Carson, the Rock Point Mill has not made full time this month, but the receipts of Bullion from the mine will warrant the payment of a $6 per share dividend.

North Potosi has been very active, declining upon the announcement of the decision of the Referee against this Company in its contest with the Gould & Curry, from $45 to $15 and selling yesterday at about $16½—759 shares have changed hands.

Wide West has been very largely dealt in and 350 shares were sold within the range of $18@$21, closing at $17. The indebtedness of this Company, not long since, amounted to $50,000. At present there is no indebtedness and a large body of ore now in sight promises to soon employ the Company's fine mill at its full capacity. Independent of this mill costing $130,000, other valuable assets are on hand, all of which are paid for.

Burning Moscow rose from $20 to $22½@$23, declined to $18, 181 feet were sold at these rates. Baltic rose from $12½ to $16½, an assessment of $6 delinquent. Sheba advanced from $17½ to $23 bid, $24 asked.

Lady Bryan has been very active within range of $4½@$5½, closing at $5⅜, 140 shares changed hands. Seneca declined from $18 to $7. Blue Ledge was sold at $2¼, Michigan at $12, Golden Age and Empire at $7, and Pride of the West at $1½@1¾.

The aggregate sales of stock since Saturday last, amount to $265,334.00.

Sales of Mining Shares

For the week previous to Saturday, Aug. 20.

By the San Francisco Stock and Exchange Board.

Saturday, August 20, 1864.

$3000 Legal Tender Notes at 99¼ per cent.
40 shs Chollsr at $500 per foot, r w.
20 shs Chollar at 502½ per foot, r w.
4 shs Chollar at 500 per foot, s 30.
48 shs Ophir at 490 per foot.
12 shs Ophir at 487½ per foot.
4 shs Ould & Curry at 1475 per foot.
10 shs North Potosi at 40 per share.
20 shs North Potosi at 42¾ per share.
10 shs North Potosi at 44 per share.
10 shs North Potosi at 45 per foot, h 10.
20 shs North Potosi at 42¾ per share.
20 shs North Potosi at 41 per share.
20 shs North Potosi at 42 per share.
20 shs North Potosi at 40 per share, s 10.
14 shs Wide West at 20 per share.
10 shs Wide West at 18¾ per share.
15 shs Wide West at 18¾ per share, r w.
45 shs Burning Moscow at 20 per share.
8 shs Mount Davidson at 2¾ per share.
12 shs Mount Davidson at 3 per share.
20 shs Lady Bryan at 4¾ per share, s 15.
15 shs Imperial at 125 per share, s 30.
20 shs Sheba at 17¾ per foot.
10 shs Seneca at 18 per share.

AFTERNOON SESSION.

12 shs Ophir at $475 per foot, s 30.
12 shs Ophir at 500 per foot, s 5.
24 shs Ophir at 500 per foot.
12 shs Ophir at 490 per foot, s 30.
6 shs Hale & Norcross at 490 per foot.
12 shs Hale & Norcross at 415 per foot, r w.
12 shs Gould & Curry at 1450 per foot, s 15.
12 shs Gould & Curry at 1450 per foot, s 15.
8 shs North Potosi at 40 per share.
10 shs North Potosi at 42½ per share, h 10.
30 shs Burning Moscow at 20 per share
10 shs Wide West at 19 per share.
10 shs Wide West at 18 per share, s 10.
10 shs Wide West at 18¾ per share.
20 shs Spring Valley W. W. at 32 per cent.
Amount of sales.....$33,479 50

Monday, August 22, 1864.

10 shs Potosi at $900 per foot, h 30.
20 shs Potosi at 850 per foot.
10 shs Potosi at 875 per foot, h 30.
20 shs Chollar at 500 per foot, s 10.
40 shs Chollar at 500 per foot, s 5.
40 shs Chollar at 500 per foot, s 5.
40 shs Chollar at 500 per foot, s 15.
28 shs Chollar at 500 per foot, s 15.
20 shs Gould & Curry at 1475 per foot.
5 shs Savage at 1275 per foot, s 30.
4 shs Hale & Norcross at 420 per foot.
5 shs Hale & Norcross at 435 per foot.
55 shs North Potosi at 20 per share.
10 shs North Potosi at 18 per share, s 30.
10 shs North Potosi at 19 per share.
10 shs North Potosi at 16 per share, s 30.
10 shs Wide West at 19¾ per share.
10 shs Wide West at 19½ per share, r w.
20 shs Burning Moscow at 21 per share, h 30.
70 shs Lady Bryan at 4¾ per share.

AFTERNOON SESSION.

10 shs Sides at $100 per foot.
12 shs Ophir at 500 per foot.
4 shs Gould & Curry at 1500 per foot.
4 shs Gould & Curry at 1475 per foot, s 30.
4 shs Gould & Curry at 1500 per foot, h 10.
4 shs Gould & Curry at 1475 per foot, s 40.
4 shs Gould & Curry at 1500 per foot, s 15.
4 shs Gould & Curry at 1500 per foot, s 25.
4 shs Gould & Curry at 1500 per foot, s 10.
2 shs Gould & Curry at 1500 per foot.
4 shs Gould & Curry at 1500 per foot, s 30.
5 shs Savage at 1275 per foot, s 30.
5 shs Wide West at 19 per share.
35 shs Baltic at 12¾ per share.
9 shs Baltic at 12 per share.
10 shs North Potosi at 17 per share.
20 shs North Potosi at 15 per share.
10 shs North Potosi at 15 per share.
10 shs North Potosi at 15½ per share.
20 shs North Potosi at 15 per share.
Amount of sales.....$71,754 50

Tuesday August 23, 1864.

20 shs Gould & Curry at $1500 per foot.
4 shs Gould & Curry at 1500 per foot, r w.
4 shs Gould & Curry at 1490 per foot, r w.
4 shs Gould & Curry at 1480 per foot, r w.
20 shs Chollar at 500 per foot, h 30.
40 shs Chollar at 475 per foot.
36 shs Ophir at 500 per foot.
1 sh Uncle Sam at 220 per foot.
30 shs Wide West at 20 per share.
25 shs Michigan, O. H. at 12 per share.
5 shs North Potosi at 16 per share.
22 shs North Potosi at 15 per share.
10 shs Lady Bryan at 5¼ per share.
10 shs Lady Bryan at 5 per share, s 30.
15 shs Nevada, J. O. at 5 per share.
10 shs Baltic at 15 per share.

AFTERNOON SESSION.

8 shs Gould & Curry at $1400 per foot, s 30.
24 shs Ophir at 500 per foot.
20 shs Chollar at 475 per foot, h 30.
60 shs Chollar at 470 per foot, h 30.
8 shs Chollar at 470 per foot, s 30.
30 shs Lady Bryan at 5¾ per share.
20 shs Lady Bryan at 5⅝ per share.
10 shs Lady Bryan at 5¾ per share.
20 shs Lady Bryan at 5½ per share, h 15.
10 shs Lady Bryan at 5 per share, s 5.
35 shs Golden Age & Empire at 7 per share.
20 shs Wide West at 21 per share.
10 shs North Potosi at 15½ per foot.
10 shs Burning Moscow at 22½ per share, h 30.
Amount of sales.....$38,290 00

Wednesday, August 24, 1864.

5 shs Yellow Jacket at 400 per foot, h 30.
4 shs Gould & Curry at 1400 per foot.
4 shs Gould & Curry at 1375 per foot, s 30.
4 shs Gould & Curry at 1335 per foot.
4 shs Gould & Curry at 1335 per foot, r w.
4 shs Gould & Curry at 1375 per foot.
10 shs Wide West at 20 per share, s 15.
10 shs Wide West at 20½ per share.
10 shs Wide West at 21 per share.
40 shs Burning Moscow at 23 per share, h 30.
10 shs Burning Moscow at 20 per share.
20 shs Lady Bryan at 5½ per share, h 30.
60 shs Lady Bryan at 5 per share.
100 shs Lady Bryan at 4¾ per share.
30 shs Lady Bryan at 4⅞ per share.
10 shs Lady Bryan at 5½ per share.
5 shs Lady Bryan at 5¼ per share.
150 shs North Potosi at 15 per foot.
15 shs Pride of the West at 1¾ per share.
10 shs Pride of the West at 1¾ per share.

AFTERNOON SESSION.

40 shs Gould & Curry at 1350 per foot, s 30.
4 shs Gould & Curry at 1370 per foot.
4 shs Gould & Curry at 1375 per foot.
shs Gould & Curry at 1330 per foot, s 30.
4 shs Gould & Curry at 1380 per foot.
4 shs Gould & Curry at 1340 per foot, s 30.
4 shs Gould & Curry at 1395 per foot, r w.
4 shs Gould & Curry at 1340 per foot, s 30.
2 shs Savage at 1220 per foot, h 10.
10 shs Lady Bryan at 5¼ per share.
40 shs Lady Bryan at 5 per share.
30 shs Lady Bryan at 4¾ per share.
30 shs Lady Bryan at 5¼ per share.
5 shs North Potosi at 16 per share.
20 shs North Potosi at 15½ per share, buyer 10.
15 shs Nevada, J. G., at 4¾ per share.
15 shs Burning Moscow at 20 per share.
5 shs Baltic at 16½ per share.
20 shs Wide West at 19 per share.
10 shs Wide West at 18½ per share.
10 shs Wide West at 17 per share, s 30.
10 shs Wide West at 19 per share, b 30.
10 shs Wide West at 18 per share.
5 shs Imperial at 130 per share, s 30.
10 shs Sheba at $19 per foot.
Amount of sales.....$43,420 00

Thursday, August 25, 1864.

4 shs Gould & Curry at 1360 per foot, s 10.
8 shs Gould & Curry at 1340 per foot, s 30.
8 shs Gould & Curry at 1350 per foot, s 30.
4 shs Gould & Curry at 1400 per foot.
4 shs Gould & Curry at 1380 per foot, s 10.
10 shs Wide West at 19 per share.
32 shs Wide West at 20 per share.
20 shs Wide West at 18 per share, s 30.
20 shs Wide West at 19¼ per share.
64 shs North Potosi at 15 per share.
105 shs Lady Bryan at 5 per share.
50 shs Lady Bryan at 4¾ per share, s 30.
10 shs Sierra Nevada at 7 per share.
60 shs Blue Ledge at 2¼ per share.
10 shs Seneca at 7 per share.
10 shs Imperial at 130 per share.

AFTERNOON SESSION.

4 shs Could & Curry at $1390 per foot.
4 shs Gould & Curry at 1400 per foot, s 12.
4 shs Could & Curry at 1410 per foot.
2 shs Hale & Norcross at 490 per share, s 30.
2 shs Hale & Norcross at 490 per foot.
115 shs Lady Bryan at 5 per share.
10 shs Lady Bryan at 5¼ per share.
10 shs Burning Moscow at 18 per share, s 30.
10 shs Nevada, J. O. at 5 per share.
10 shs Wide West at 19 per share.
Amount of sales.....$20,660 00

Friday, August 26, 1864.

4 shs Gould & Curry at $1437 per foot.
4 shs Gould & Curry at 1440 per foot.
8 shs Gould & Curry at 1450 per foot.
4 shs Could & Curry at 1400 per foot, s 30.
8 shs Could & Curry at 1420 per foot, s 30.
8 shs Could & Curry at 1450 per foot.
4 shs Gould & Curry at 1440 per foot, s 15.
138 shs North Potosi at 16 per share.
30 shs North Potosi at 15½ per share.
17 shs Baltic at 16 per share.
5 shs Burning Moscow at 18 per share.
10 shs Burning Moscow at 17½ per share.
110 shs Lady Bryan at 5¼ per share.
50 shs Lady Bryan at 4¾ per share, s 30.
10 shs Lady Bryan at 5¾ per share.
80 shs Sheba at 22 per foot.
10 shs Imperial at 132 per share.
20 shs Wide West at 18 per share.

AFTERNOON SESSION.

8 shs Chollar at $475 per foot.
10 shs Imperial at 132 per share, s 30.
5 shs North Potosi at 16½ per share.
20 shs Lady Bryan at 5 per share.
50 shs Lady Bryan at 4¾ per share, s 30.
1 sh Yellow Jacket at 375 per foot.
10 shs Burning Moscow at 17 per share, s 10.
30 shs Burning Moscow at 17¾ per share, s 30.
10 sh Burning Moscow at 17¾ per share.
5 shs Wide West at 17 per share.
Amount of sales.....$22,328 00

A BIRD'S EYE VIEW OF BUSINESS.

The week past has been one of more than ordinary dulness and inactivity in nearly every department. Trade circles have furnished but few noticable transactions. Jobbers, however, have done a fair average business for the season, while importers generally have been inclined to complain bitterly for the want of customers. The auction marts have been well stocked with merchandise; the bulk of which was for account of Underwriters and though many goods were bought and sold that were but slightly injured, prices ruled low—ruinously so, to the parties most interested.

The public sales referred to above, consisted of coffee, raisins and dry goods. To give details would furnish no criterion for the true market value of the articles enumerated. Our shipping interest is not in a promising condition. Vessels are abundant and suited to all waters and of many flags, yet there are few or no charters on the market, and but a trifling business held out for their acceptance; consequently the great mass of all the shipping in port must go off in ballast, seeking business elsewhere.

It is truly unfortunate that now, when prices of flour and wheat and other grain are high in Australia, China, and elsewhere in the Pacific, that we, owing to a failure of our crop of cereals should be deprived of the opportu-

nity to supply these markets as has been the case heretofore. Still, this is so, instead of being free exporters and sellers of breadstuffs, we are absolutely importers of flour and cornmeal from New York and elsewhere.

We are now receiving some of the benefits of our gold and silver currency. At New York and elsewhere, prices of all the necessaries of life are exorbitantly high, while with us nearly every thing imported is low—with but few exceptions; this is so of nearly all leading articles, while few if any goods are as high here in reality as they are in the markets of the Atlantic States. We can at present prices import flour, corn-meal, butter and a thousand other things from New York, and sell them at what appears to be at a loss upon the face of the transaction, yet the gold which we remitted for the payment of these identical articles commanded a premium sufficient to cover all expenses of their importation, and then enabled us to sell the goods for nominally the same prices or less than they cost in New York, and yet make money by the venture.

EASTERN FINANCES.

Our latest overland mail advices are to the 30th ult. At that date money was growing easier in New York, and the demand for business purposes had materially abated. The Banks were lending and discounting with more freedom and the late stringency seemed to be passing awny. Stocks were not very active, but prices had advanced and the aggregate of transactions was much larger than for some time previously. Government securities were in better favor and an important falling off was observable in speculations for a rise in produce and other articles of prime necessity to the masses. A feature of some interest in our latest Eastern exchanges regarding financial affairs on the other side of the continent was a proposal for a new loan with an accompanying address to the people, by the new Secretary of the Treasury, Mr. Fessenden, which was apparently very well received. The terms of the loan were thought to be exceedingly liberal, and the entire authority of the Secretary for a 7 3-10 per cent. issue, interest payable in currency, was to be used at once. The Treasury officers and National Banks acting as depositaries of the Trensury, were to be prepared immediately to receive applications for this loan. The official announcement of this programme would, it was thought, have a tendency to inspire confidence and insure greater ease to the markets generally. Telegraphic advices received since this loan was placed before the public have informed us that the subscriptions were reaching some $1,000,000, daily. Other loans the same authority says, were to be offered in the shape of 6 per cent. bonds, interest payable in gold and redeemable in twenty years. Certificates of indebtedness, of which there are a large amount afloat, are to be received in part payment of the last loan. The financial policy of Mr. Fessenden is evidently meeting with a fair degree of success and the financial affairs of the Government are likely to be wisely administered. The gold market has been very steady in the East for several weeks past, and no material fluctuation has taken place. Our latest telegraph advices quote gold at 2.57.

Scaffolding Accidents.—Quite a number of accidents have recently happened in this city in consequence of the giving way of scaffoldings. The wonder is that the number of such accidents is not larger. Quite too much carelessness is manifested in the construction of such things. If no law already exists by which the lives and limbs of workmen can be protected, it is time such a law was passed. Contractors should be held to a strict account for such accidents—which are entirely unnecessary, in almost every case.

The Michigan Mining Company, at Gold Hill, after four years of steady prospecting, have struck a fine ledge of quartz.

James M. Day, late Superintendent of the Yellow Jacket mine, is a candidate for Sheriff of Storey county, N. T.

MINING STOCKS.

The following list comprises the prominent Mining Stocks that are commonly dealt in at the Stock and Exchange Board, together with such particulars in regard to the extent of claims, subdivision into shares, incorporate and market value, etc., as may be of interest. In addition to those enumerated below, there are many other claims of great value, whose stocks very seldom or never appear in market, and particulars in regard to which are not at our disposal. We shall add to this list as circumstances may warrant, and will be thankful for any information adapted to make our table as complete and perfect as possible.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month'ly divid'd ₱ ft.	Recent Assessments Per foot.	Total Ass'ts ₱ ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	10 00	17 00		Jan 7, $10, July 23, $0.	35 00
Bajazett and Golden Era	4,000	1	4,000	300 00	8 00	14 00		May 13, $5; July 30, $5.	33 25
Best & Belcher	224	4	896	500 00	—	—		Jan 12, $25; May 17, $100.	200 00
Burning Moscow	4,100	1	4,100	500 00	18 00	19 00		Jan 19, $15; June 24 $5.	50 34
Burnside	2,800	1	2,800	500 00	1 00	5 00		Aug 17, $2; Feb 16, $2.	0 00
Belcher	1,040	3	3,120	1,000 00	—	800 00	$24		
Buckeye	3,000		2,800	100 00	—	3 00		Aug 15, $2; June 4, $1.50.	20 20
Bullion, G. H.	2,500	1	2,500	200 00	30 00	40 00		Apr. 1, $20; June 8, $20.	
California	300	12	3,600	300 00	—	—		July 12, $150 00	
Central	150	12	1,800	300 00	—	—		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		May 25, $3; July 12, $1½	10 50
Crown Point	303	2	786	100 00	—	550 00		Oct 13, $25.	100 00
Chas. Caney	1,800	1	1,800	30 00	—	15 00		Nov 30, $5; Mar 18, $3.	25 00
Chollar	1,400	4	5,600	800 00	490 00	400 00		Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	60 00	20 00	25 00		Sept 15, $10; Jan 20, $12.	47 00
Desert	2,200	1	2,200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	8 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co.	75	10	1,200	833 00	—	550 00	$30		
Gould & Curry	1,200	4	4,800	500 00	1,450 00	1,480 00	$50		
Grass Valley	4,200	1	4,200	500 00	—	30 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	450 00	500 00		May 24, $50; July 18, $50.	375 00
Imperial	184		4,000	500 00	132 00	135 00	6$	Dec 22, $12.50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	—	—		Nov 18, $1; July 18, $0.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	5 00		May 11, $3; July 10, $3.	18 25
Lucerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 10, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	8 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	12 00	20 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	17 00	18 00		Apr 0, $20; July 26, $12.	32 00
North Potosi	2,000	1	2,000	250 00	16 00	17 00		Jun 13, $12½; Aug 6, $12½	127 50
North American	4,100	1	4,100	800 00	28 00	30 00		Oct 19, $10; Mar 23, $20.	
North Ophir	1,000	1	1,600	500 00	—	20 00		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	—	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	10,800	300 00	475 00	500 00	$48		
Overman	1 200	1	1,200	500 00	150 00	250 00		June 7, $60; July 7, $20.	
Potosi	1,400	2	2,800	500 00	750 00	875 00		Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	2 00	4 00	$5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	1,250 00	1,275 00	$50		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	10 00	20 00		Mar 8, $5; May 10, $10.	98 00
Spanish No. 2	1,000	1	1,600	500 00	—	20 00		Mar 26, $6; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	150 00	220 00		November 2, $50.	63 00
Wildman	1,800	1	1,800	1,000 00	—	—		Mar 18, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	400 00		Aug 17, $30; June 17, $30.	257 00
Yellow Jacket	1,200	1	1,200	1,000 00	380 00	400 00		July 21, $30; Aug 4, $110.	250 00

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	25 00	50 00		Nov 18, $25; Feb 19, $25.	137 50
Bamboo	600	1	000	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00			12 25
Falls of the Clyde	6,000	1	6 000	100 00	—	—		Nov 20, 60c.	2 72
Golden Age and Empire	2,600	1	2,000	250 00	5 00	7 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 60c.	
Real del Monte	4,400	1	4,400	400 00	15 00	19 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	6 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,600	1	1,000	250 00	12 00	20 00		July 28, $6; Jan 5, $3.	14 00
Wide West	2,600	1	2,600	500 00	18 00	18 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	20,000		3,000	600 00	—	2 00		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	—	3 00		Oct 19, $3; July 31, 50c.	11 00
San Carlos			2 600	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	—	15 00		May 21 $2.50; July 23 2.50.	14 35
Sheba	1,800	2	3,600	500 00	23 00	24 00		Mar 10, $10; Aug 12, $20.	62 00

REESE RIVER DISTRICT.

Amador	1,400				—	—		May 3, $5.	10 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 26, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oregon	800	2	1,600	300 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	75 00	—		May 11, $10; June 25, $5.	28 00
Willow	2,800		1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 23, $1.	2 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 23, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	— —		Feb 10, $30; Aug 23, $10.	150 00
Sra de Guadelupe	3,000	1	3,000	1,000 00	—	— —			9 00
San Marcial	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	500 00	—	— —		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	2 00		Jan 30, $2½; Jun 16, $1½	
Fellows	2,600	1	2,600	100 00	—	—			
Melones	3,000	1	3,000	50 00	10 00	15 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	— —	65 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,860	200 00	—	25 00		June 18, $4; Aug 1, $1.	15 00

War on Inventions.

The inventive powers of the American people have been particularly active and successful since the beginning of the Rebellion. Much of that genius which previously run to waste upon attempts to construct flying machines fit only for a dusty corner in the Patent Office, or which was exercised in creating reapers and threshing machines, patent churns and bee hives, has turned to military and naval questions and necessities, and in not a few instances taught the world new lessons. The monitors revolutionized naval warfare. The battle between the Kearsarge and Alabama has initiated another revolution, in our opinion, by showing that heavy guns, at short range in a sea fight, are altogether superior to rifled cannon fought at long range. This, however, can scarcely be called an invention; it is only a discovery. But what we started out particularly to allude to was not so much the monitor as a harbor defence, as the torpedo, which has become a formidable instrument; like the earthquake, mysterious, sudden, coming unannounced, giving no time for retreat, no opportunity to surrender, and by the indefiniteness of its location, approach and power, often creating a fear as efficient for the defence of harbor or river would be its explosion under an attacking enemy's keel. How far this fear has kept our fleet from Charleston and other places, it is impossible to say; but we believe it has been more formidable than the torpedoes themselves. These defensive appliances have grown to their present formidable state from very small and harmless beginnings. The rebels in the first months of the war almost exhausted their supply of powder in the loading of torpedoes. The Mississippi River, above Memphis, had about as many of them as of snags and sawyers. Our fellows soon got used to them and fished them up, as a Virginian would oysters in Hampton Roads. They were generally innocuous, wouldn't go off only as they were carried, and served chiefly to diminish the rebel ammunition. But three years of war and experiment have done much, even under the rule of rebels, who before this war were generally considered inenpable of mechanical invention. War and hard necessity have driven them from leisure and cotton to a study of the arts which they had previously thought only fit for Yankee notice. They have brought the terrible subaqueous torpedo to a state of efficiency capable of sending a ship of any size to the bottom more suddenly than went down the Royal George with "Kempenfield and his three hundred." If the war should continue a few years longer, the South will learn that there are occupations for gentlemen to follow besides "scraping cotton," and that a man may apply himself to works of wood and iron without disgracing father or mother or the character of a gentleman. Invention is the faculty which brings man intellectually nearest to God.—*Ex.*

The Northern Gold Crop.—A correspondent of the Dalles *Mountaineer*, under date of August 12th, has enquired carefully with regard to the amount of gold dust, at the present time arriving at and passing through the Dalles, *in transitu* to this city. He has obtained statements from seventeen different firms, and gives estimates from their books, summed up as follows:—

Amount purchased last month	$484,233 19
Ain't deposited for safe keeping	913,000 00
Estimated amount carried through by owners, of which I could make no real statement, but have estimated it as 1-6 of the whole	232,872 00
	$1,629,105 19

The yearly product of pianos in the United States has increased from 2,000 to 20,000 in the last fifteen years, the latter number being the estimated manufacture of the present year.

The Virginia City *Union* says there seems to be a growing sentiment there in favor of the new constitution.

Mechanical and Patent Department.

RECENT CALIFORNIA PATENTS.

Thomas Varney, of this city, has obtained letters patent for an amalgamator, which is described as follows, in his specifications.

I claim, first, The method of fastening the shoes to the upper muller by casting the rivets into the shoes, as shown.

Second, The use of the flanges on the lower edges of the curved plates, in the manner and for the purposes set forth.

Third, The employment of the space for the quicksilver about the periphery of the mullers, with no openings therefrom in the lower muller by which the quicksilver is prevented from being ground, and at the same time is so situated that it is brought into constant and effective contact with the pulp.

Fourth, The use of the slots in the lower muller filled with wood or its equivalent for the purpose set forth.

Fifth, The mode of suspending and driving the upper muller by the arms, u, and ring, l, and finger, v, with its projections.

Improved Hydraulic Hose Pipe.—Mr. Joseph M. Alliuwood, of Timbuctoo, has obtained a patent for an improvement to the ordinary hose pipe, which consists in the insertion of guides inside the pipe for preventing the water from forming a spiral column or stream at the instant of the discharge. This invention has already been noticed in a previous number of the Press, and is doubtless of much value.

Improved Amalgamating Barrel.—James B. Johnson, of this city, has obtained a patent for an improvement in amalgamating barrels, which is described as follows:—"I claim forming the outer shell of the amalgamating barrel or cylinder in several longitudinal sections, so that they may be easily taken apart and relined, substantially as and for the purpose described.

A New Harvester.—Mr. M. A. Wheaton, of Suisun, California, and J. R. Pressey, of Dubuque, Iowa, and David Sheets, of Pike county, Mo., have obtained a patent for a Harvester, the improvements in which consist, first, in an improved means for operating or driving the sickle of the mower or reaper; second, in an improvement in the draught mechanism, and third, in an improvement pertaining to the grain or grass wheel, the manner of adapting the same to the machine. The object of the invention is to obtain a means by which the sickle may be operated with less friction than usual, and the machine rendered capable of being turned with greater facility, and one in which the draught will be materially diminished.

A California Invention at the East.—The Boston *Ploughman* speaks as follows of a recent California Invention:—

We have lately examined a novel machine, invented by Mr. Robert B. Carsley, of California, by which billiard and all kinds of balls may be turned to a perfect roundness, and about five times as fast as by the ordinary method. The whole apparatus is so simple, and yet so practical, that the wonder is that it was not discovered earlier. This invention must certainly prove invaluable to the Government, not merely because of the rapidity with which cannon balls can be turned, but because of the great reduction in the cost of their construction. The invention has met with the approval of Major Gen. Halleck, and Secretary Stanton. It has also attracted the attention of capitalists in this and other large cities, and we have no doubt that it will soon be made available. C. C. Dickerman, 46 School street, will furnish particulars to all interested.

A Heavy Casting.—The Marysville *Appeal* says that the proprietors of the Marysville Foundry, on the 18th instant, made the largest cast ever attempted in Northern California. The piece was the bedplate for a 100-horse power engine for the Manhattan Mining Company, at Washoe City, N. T. This casting weighs seven thousand pounds, being nineteen and one-half feet long by three and one-half wide. The engine and machinery is intended to run a 24-stamp mill. The *Appeal* very properly confesses to feeling a little pride in an announcement that Marysville can turn out so large and elegant a piece of work. It costs about ten thousand dollars.

Shoes are now made under a new patent, with heels and soles of vulcanized rubber, moulded in a single piece, under a high pressure. They outwear the leather uppers.

Queer Quartz Mills.—Parties lately in from the Reese River mines, give the editor of the Territorial *Enterprise*, at Virginia City, a description of some rather queer quartz crushing machines in use in that region. The miners suspend the iron axletree of an old wagon upon two posts and with a crank turn it after the fashion of a common windlass. There are cams, made of wagon tire, fastened to the shaft or axletree, which lift the stamps. The mortar is a block or log with sheet-iron nailed on in such a way as to turn up and form the sides. These mills have from four to six stamps and are worked by hand. Many who have no paying veins of their own are said to make nocturnal raids on the ore piles of their more fortunate neighbors. Watchmen are kept at the mills at night to guard the ore from these guerrillas.

Mr. W. F. Stewart, says the San Jose *Mercury*, has just returned from a three weeks sojourn in Nevada Territory, where he has been putting to a thorough practical test his new process for working silver ore. We are glad to know that he has met with a full measure of success. There are thousands of tons of slum, or ore, from which all the pay silver has been worked by the old methods of amalgamating, piled up around the quartz mills of the Territory. Mr. Stewart takes this ore, and by the application of his discovery, at a cost not to exceed $5 per ton, makes it pay from $40 to $50 to the ton. He has filed a caveat, and taken out his first papers for a patent. Frank has struck his fortune, sure, and conferred an incalculable benefit upon the country.

Construction of Machinery for the West.—A writer in the New York *Journal of Commerce* states that the construction of machinery for working the quartz mines of Colorado and California is being carried on to quite an extent in some of the machine shops in that city, and also at Bridgeport and New Haven, giving employment to a large number of mechanics. M. B. Dodge, of Colorado, the inventor of an improved amalgamator, is now making 400 machines to fill passing orders. The fact that many of the gold mining stock companies now in active operation have the money on deposit in New York banks to pay for machinery when completed, is an evidence of the confidence interested parties have in these enterprises. Dodge insists that there is gold enough in the space of ten square miles in Colorado to pay off the public debt.

Mining Machinery.—An improved apparatus for boring and cleaving stone has been invented in England, which consists in employing a series of jumpers, elevated by suitable cams upon an axle. They propose an apparatus very much like a sixteen-head stamp, in which the stamp-heads are replaced by elongated cutting instruments. The motion is imparted to them in the usual way.

The Dictator going to Europe.—The great American iron-clad, "Dictator," is about to make the trip across the Atlantic, commanded by Captain Rogers, one of the finest naval officers in the United States service. She will be a fair mechanical equivalent for the Great Eastern.

A San Francisco Built Locomotive.—The San Leandro *Gazette* speaks in the highest terms of the new locomotive "E. B. Mastick," built at the Vulcan Iron Works in this city, for the Alameda Valley R. R. Co. It is pronounced one of the finest in California, and a high credit to San Francisco mechanics.

Hospital Bedstead.—S. B. Hill, an ingenious workman at Chicopee, Mass., has invented a hospital bedstead, which the medical men of Chicopee, Springfield and Boston, pronounce a great improvement upon anything of the kind now in use. The frame is wholly of sheet-iron, and constructed so as to be very strong and light.

Ship Building in New York.—In the New York ship yards there are now in process of building forty-eight vessels of all sizes, of which forty-two are steamers—fourteen of these being for the United States Navy—and only six sailing vessels, of which two are for foreign orders, leaving only four for use in our own trade.

Electro-Magnetic Amalgamator.—The Virginia *Union* has seen a model of a new electro-magnetic amalgamator—the invention of Mr. E. W. Peck. He claims for it a superiority over all other inventions of the kind, and is on the way to this State to have one made. A patent has been secured for it.

Scarcity of Coal.—Canadian manufacturers are suffering for anthracite coal. What is dug there is sent to Bermuda for confederate blockade runners, and the United States has stopped the exportation from our territory.

Description of a New Gun invented by James Mackay.

Two or three weeks ago the world heard for the first time of the Mackay gun. Yet, short as this space is, it has been quite long enough to demonstrate that Mr. Whitworth and Sir W. Armstrong must indeed look to their laurels. Mr. James Mackay is a Liverpool timber merchant, and the gun which will in future be known by his name, we believe, has been structed wholly at his own expense, certainly without Government aid. The principles involved in its construction are novel, elegant, and ingenious. Hitherto we have learned to regard windage as a thing to be avoided by the use of every expedient at our command, because it wastes power and leads to inaccuracy of flight in the projectile. Mr. Mackay, on the other hand, turns this same windage to account, and makes it the motive power for spinning his projectiles round. With a smooth bore, it is evident that the gas generated would make its escape quicker than the heavy shot. To prevent this, spiral grooves of much greater acuteness than those employed in the ordinary rifled cannon run through the interior of the Mackay gun, and as the gas follows the course of these grooves, it has to travel about six feet further than the shot before the muzzle is reached. It is thus prevented from escaping before the shot, which is whirled swiftly round by the revolving current of gas that follows close upon and grasps it, as it were, in its embrace, during its passage through the chase of the gun. The rotary motion is thus imparted to the shot solely by the friction of the escaping gases on its smooth sides, the gun having in all respects, save these spiral grooves—which must be confounded with rifling proper—the character of a smooth bore, as the shot rests, upon the raised surfaces of the grooves, by which its motion is not impeded. Thus the initial velocity of the smooth bore is obtained as well as the rotary motion necessary to precision; and considering the importance of high velocities as exemplified in the effectiveness of the old 68-pounder at short distances, it is a great deal in favor of the Mackay gun that it discharges its shot with a momentum of some 300 or 400 feet more per second than does the Armstrong gun. The projectiles used are cylindrical steel bolts with a conical head. They are balanced from the center, and the smaller weight at the cone end is compensated for by scooping out a portion of the metal at the other end, and they are perfectly smooth.

The experimental gun has been manufactured of wrought iron by the Mersey Steel and Iron Works Company. It weighs 9 tons, has a bore of 8-12 inches, and in other respects corresponds with the general features of the ordinary 68-pounder. There are twelve grooves, and, as the shot do not enter these grooves, it allows of a much sharper twist than in ordinary rifled guns. The velocity has been found to be 1640 feet a second; the utmost range has not yet been tested. Messrs. Laird and Company, of Birkenhead, are now building an armor-plated vessel called the Agincourt, for the Government, and it was agreed to test the gun against a section of the side of that vessel. It was intended to make the trial last Saturday, but unfavorable weather prevented its being proceeded with. On Monday morning, however, the experiments commenced. The target consisted of an outer plate, 7 feet square and 5½ inches thick, of rolled iron; next came 9 inches of teak, then an inner plate or skin three-fourths of an inch thick, then angle-iron and ribbing, and finally a packing up with timber balks and supports 18 inches thick. The plates were stated, on competent authority, to be the best that can be made of rolled iron. Messrs. Laird & Co., supplied the whole, and expressed confidence in the strength of the target. The gun was fired in the presence of Mr. James Mackay, Mr. D. Mackay, Mr. Bouch, and other gentlemen, shortly after 8 o'clock in the morning. There is a little novelty in the mode of loading. Between the powder and the shot a bag of sawdust is placed, Mr. Mackay's object being to give, by means of this substance, a slight movement to the shot before the whole of the powder is ignited. This, without diminishing the force of the charge, prevents a heavy concussion, and renders the danger of bursting considerably less; so much so, that the inventor expresses his confidence that a charge of 100 pounds of powder would not damage the gun. The recoil of the gun, as well as the report is comparatively small. On Monday the gun was charged with 30 pounds of powder and a cast steel shot, weighing 167 pounds, made by Messrs. Thomas Firth and Son, of Sheffield. The range was 200 yards. The shot struck the target with a dull thud a little below the hull's eye on the right, and in the very strongest part, where it was backed up by the rib of the ship's side, the angle-iron, and the timber balk. At the point of impact a perfectly circular hole was cut. The shot then powdered the teak, passed through the inner skin and the angle-iron, shattered the timber balk into fragments, and was picked up 82 yards beyond the target, together with a circular piece of iron armor, about 80 pounds weight, which it had carried with it through the back supports. The sand showed that it had spun to the last. About 70 fragments of the inner skin and angle-iron were picked up 100 yards from the target. The shot when found was reduced from 13 inches to 11 inches in length, and increased about an inch-and-a-half in diameter at the end which struck the target. The other end was uninjured. The whole target was forced back about 6 inches, and so much deranged that more shots were not fired.—*Mechanics' Magazine, London, April*, 1864.

Cheap Gas.—An anthracite gas lighting and heating company has been recently formed in New York, which has an advantage over other companies in the ownership of a patent for making gas from a mixture of anthracite and bituminous coals, which is said to be superior to the ordinary gas, and can be made 25 per cent. cheaper. It has been tested in full sized works in the city of Elizabeth, N. J., and other places, for over two years, with perfect success. The gas has a special adaptation for heating purposes, being far cheaper for small manufacturing operations and for household use than coal. The saving of labor and dust in this mode of heating over coal is obvious.

Durability of Bricks.—An impression exists in reference to the want of durability in bricks as a building material, of the correctness of which a little reflection will convince us there is some doubt, provided they be properly made. So far from being most perishable, they are the most durable substance; and the bricks of Nineveh and Babylon, in the museums, show that they were selected by the Ancients as the most lasting material. Plutarch thinks them superior in durability to stone, if properly prepared; and it is admitted that the baths of Caracalla, those of Titus, and the Thermæ of Diocletian, have withstood the effects of time and fire better than the stone of the Coliseum, or the marble of the Forum of Trajan; yet the bricks of Nineveh and Babylon (and we believe those of the Romans also,) were only sun-dried—not baked or burned, as the modern practice is.

English Peals of Bells.—A correspondent of the London *Builder* says: "We have now in London and different parts of the United Kingdom about fourteen peals of twelve bells; 50 peals of ten bells; 600 peals of eight bells; 700 peals of six bells; and about 400 peals of five bells; and a great number from one bell to a chime of four bells; and all these peals of five to peals of twelve bells cost each from £300 to upwards of £2,500. So you see what a merry ringing island England is; and a melodious peal of bells is perhaps not less captivating than the finest toned instrument ever yet invented."

Ancient Aqueducts.—Many have believed that the ancients were ignorant of the law that fluid in pipes will rise to the level of the source, because in all the ruins of their aqueducts, the channel is a level slope. Some of these aqueducts, as works of magnitude, are not inferior to the great wall of China, or the Egyptian pyramids; yet, at the present day, a single pipe of cast iron is made to answer the same purpose, and even more of the principal, but want of fit material for making the pipes, which cost our forefathers such enormous labor.

The Hoosac Tunnel.—Operations upon this great work are still being pushed with the greatest vigor. It is said that 500 men are now constantly employed on the tunnel.

An officer at Bermuda Hundred says the rebels are using shells made of stone, in conical form.

Supposed Discovery of the Body of St. Patrick.—Some of the English papers contain a most curiously interesting statement, to the effect that while the workmen engaged in the renovation of St. Patrick's Cathedral, Dublin—the oldest church in Ireland—were digging up a portion of the flooring in one of the aisles, they discovered a large stone coffin, of very curious workmanship, buried only a few feet below the surface. The coffin, when it was opened, was found to contain the skeleton of an ecclesiastic, supposed to have been buried there six hundred years! The skull was perfect, and the bones crumbled into dust when exposed to the air. On the lid of the coffin there was a full length figure of a bishop in his robes. It was inspected by some antiquarians, including Dr. Todd, who expressed it as his belief that it was the original founder of the church, St. Patrick. It is in good preservation, and is in every respect a most interesting relic. When the church is finished it will be placed in a most prominent position, because there is no more remarkable antiquity in the building. What degree of confidence is to be placed in this statement, we are of course unable to say, but give it as we receive it, for what it is worth.

Our Summary of Mining News.

GLEANED FROM VARIOUS EXCHANGES.

WASHOE.

The times in Virginia City are very dull at present, but the conviction appears to be gaining ground that the worst is over. No one attributes the cause of the depression to any important depreciation in the mines. The constantly increasing shipments of bullion precludes any such idea. The difficulty has arisen mainly from mismanagement. Important changes in that direction have been made which, it is confidently believed will soon restore confidence, and provide immunity for a future occurrence of a similar calamity to any considerable extent. The lack of confidence in the Judiciary of the Territory has also had an important effect in producing the depression. This difficulty has now been happily removed, by the resignation of the Judges, and it is to be hoped that the reconstruction of this branch of the government, whether under a Territorial or State rule, will be made upon a basis which will ensure the confidence and respect of the people.

The mines are decidedly improving in appearance. The Savage is now taking out large quantities of bullion. The mine is under most excellent management. Mr. Day the superintendent is very popular with the miners, and can always secure the best labor in the market.

Many of the principal mines are increasing the force of their hands. The Gould & Curry have recently added about 100 men to their employ. A large quantity of good mineral is now coming out of their lower gallery, sufficient to keep their own mill steadily at work. The resumption of operations on the Potosi, Bajazette and Golden Era will give immediate employment to several hundred hands, and greatly reduce the number of idle men about the streets.

Much interest is being felt in El Dorado Cañon and the Truckee. The impression appears to be gaining ground that an abundance of coal for home consumption, and even for exportation will soon be raised in the localities above mentioned. We append our usual condensation of the current mining news:

The Michigan Company after four years of steady prospecting, says the *Piute*, struck a fine ledge of quartz last week, which promises to amply reward the prospectors for the labor and money which they have expended. They are down 400 feet, Have run a drift from the bottom of their shaft to the vein, into which they have driven seven feet without finding the eastern wall. Several tons of rock have been raised, but the water has put a temporary stop to operations—which will continue a few days only. It is confidently believed that the mine will soon be placed on the dividend paying list. The Michigan was the first location for quartz on Gold Hill, made in 1859, at a time when all others were locating for surface diggings.

Reliable information from the Chollar announces the fact that, at the end of the drift (40 feet,) a vein of six feet. rich ore, has been struck. The vein is 100 feet west of the east line of the Potosi.

The Mary Ann Company, have just started up their fine new work-. Their engine is about 15-horse power and works splendidly. As soon as they get their mine properly opened, a more powerful engine will be used. Their shaft is down about 300 feet. Mr. Plaisted is superintendent of the works.

The Atlantic Gold and Silver Mining Company, situated in Devil's Gate District, have struck their ledge and are now taking out some very fine looking ore. This company has worked with varied success since the spring of 1860. The ledge which they have at last struck promises to turn out rich.

The Mary Ann Company, according to the Gold Hill *News*, commenced operations with its steam hoisting works on the 15th inst. Its new works are very strong and substantial. The engine is of about twelve-horse power, but it is geared so that its nominal power is doubled. The company intends to sink down now, as deep as either of its neighbors, the Overman or Uncle Sam, which it has heretofore been prevented from doing by the amount of water which came into the shaft.

The machinery of the Piute mill is now being put up. The engine is one of the Corliss patent and is about 80 horse power. The machinery has not yet all arrived, but it is coming every day. The mill will be ready to run in three or four weeks.

Surface Diggings.—A company of three men, says the *Enterprise*, are at work on American Ravine, on the east side of American Flat, at surface mining. The dirt is shovelled into sluices and pays about three dollars per day to the man in fine gold The company are in hopes that they will after awhile find something better.

The Athens Company, located in the mountains just west of Carson City, are taking out rock which it is expected will yield from $100 to $200 per ton. If this expectation should be realized it will prove a good thing for Carson, and open up quite a new field for mining operations. The editor of the *Union* has seen a bar taken from a crushing of rock from this mine valued at $205 in gold and $32.68 in silver. It is therefore a gold mine.

Bullion from Sullivan District.—We were shown, on Saturday, says the *Union* of the 15th inst., a handsome lump of bullion from the Ætna mine in Sullivan District about nine miles south of Dayton. The certificate of Charles Uzzuy showed it to be the result of a working test of 2545 pounds of rock. The lump of bullion weighs 21½ ounces and is about 30 per cent gold. The rock was taken out with a view to a practical test of the working value of the ledge and is believed to be a fair criterion. The facilities of working the mines of that district are excellent, there being an unlimited supply of free pure water, and wood at four dollars per cord, and rock could be crushed at a profit for ten dollars per ton. When times shall become a little easier, the Sullivan district will occupy a prominent position among the silver regions.

To Resume Operations.—The *Enterprise* says the Potosi and Bajazette and Golden Era companies will resume operations again in the course of ten days. A gentleman who knows informs us that the Potosi company have a large amount of exceedingly rich ore ready to raise from their mine. They will put on a strong force of men and make up for lost time. This is good news to several hundred men—teamsters, owners of toll-roads, miners and mill men.

Coal.—It is reported that the David Law Coal Mining company, situated on the Truckee river, about 22 miles west of Virginia City, have bored through a vein of superior coal, eight feet thick, at a depth of 306 feet. The stock of the company has taken a rise in consequence, of several hundred per cent. They intend erecting machinery at once; and in two or three months will probably have a large supply of an excellent quality of coal in the market.

REESE RIVER.

Professor R. A. Fisher, of Yale College, who recently visited the Reese River mines in company with Messrs Holmes and Bacon of St. Louis, in a letter to a friend, says that "Austin will be the city and place of Nevada," a very flattering and encouraging remark surely, and especially when coming from such high authority. There can be no other inference drawn from the reports which are daily coming from the Reese River country, that it is soon destined to become a large bullion producing district.

It appears that hand and power mills are constantly going up there. The hand mills are now crushing so much rock that they are in great want of some suitable machinery in which to amalgamate it. The *Reveille* calls for some enterprising person to put up a pan to be run by horse power for the convenience of the hand mills, and as an inducement for others to go into that business. Messrs. Miller & Saudborn, to encourage this class of work announce that they will put up, in a short time, a roasting furnace, for the benefit of the hand quartz mills, which will roast about two hundred pounds of ore per day. This will enable these mills to run steadily, as they can obtain an abundance of ore that will pay them well, provided they could get it roasted.

The *Reveille*, to show what these mills can do, gives the following instance:

A gentleman of this city, the owner of a quartz mill which crushes its rock with one stamp, in a hand mortar, took the crude bullion of less than three weeks' work to Miller & Lundborn, for assay. It yielded the handsome sum of $414, in a nice silver brick, which was 960 fine.

We condense the following items from the *Reveille*:

Miniature Quartz Mill.—Mr. Charles Johnson, on Cedar street, has constructed a hand quartz mill that for neatness of construction and mechanical arrangement cannot be surpassed. There are four stamps of fifty pounds each, raised directly by cams on a shaft, which is turned by hand. A large balance wheel on one end of the shaft gives a very easy and steady motion. The battery is operated by one man without difficulty. This little machine was constructed very cheaply, and can be worked very effectively.

Another Hand Mill.—We notice a new two stamp quartz mill, propelled by hand in operation, opposite the store of Gridley & Jacobs, in the Fourth Ward. It is the property of M. Perkins & Co., who expect to run it constantly, and will probably make money out of it.

More Quartz Mills.—A new ten stamp quartz mill for Summit District has just arrived from San Francisco, and will be put up immediately on Big Smoky, twenty-five miles from this city. Workmen are now engaged in building the foundation, and it will be in running order in about six weeks, as everything necessary for its completion is on the ground. Another company who design putting up another mill in the above district of the same capacity, were in the city a few days since negotiating for a mill site.

New Mill at Work.—The Cortez Mill, in the Cortez District, has commenced work. The first rock crushed was from the Berlin lode. The mill is designed for sixteen stamps and as many pans, although but half that number are now used. The machinery has been put up with great care, making it one of the most complete, substantial and best arranged quartz mills in the country. It lacks, however, a roasting furnace, which will be a necessity in successfully working the rich sulphuret ores of that district.

The ore from the St. Louis Garrison, and Idaho lodes in the Cortez District are said to be very rich, pieces of several pounds weight being found of almost pure black sulphurets.

Mill Site Sold.—A mill site in Summit District was sold a few days since for the sum of $2,500. For water mills, this district can not be surpassed on the coast. Everything is looking up in that section of country, and if they can only get enough mills to work the ore, it will be one of the richest portions of Nevada Territory.

O'Dougherty & Co., of Eagan Cañon, are putting up a mill, which they expect to have in operation by the first of October. The machinery has already arrived at Austin, from which place, it was calculated ten days would take it to the Cañon.

Jim Lode and Company.—Mines not known to fame nor to the world of Austin are occasionally to be found in full view of the city. Such is the Jim, a lode running parallel with the Black Rock. The ore is quite rich in black sulphurets and shows some ruby silver. There are eight hundred feet in the location, and the men working the claim are the owners of three-fourths of the whole. They have great confidence in its value and evince a determination to thoroughly develop it.

ESMERALDA.

A correspondent from Aurora writes under date of August 20th, that business is about the same here that it is all over the Territory, but one thing speaks well for Aurora, there are not many idle men to be seen on the streets in the day time. Mr. John Daggett is going to take charge of the Antelope mill and mine, the former superintendent having resigned. The mills here are nearly all running and doing well. The evidence in the case between the Antelope and Young America, has been given before a referee, who yesterday gave his opinion in favor of the latter claim. If Judge Turner concur sin Mr. Jamison's opinion it will make quite a difference here in the way of labor for miners, and will materially help to revive the town.

The development of the Bodie District is going on vigorously. Several large teams are constantly engaged in hauling rock to Lufkin's mill, and the yield is highly encouraging. The Esmeralda *Union* says that since pay rock was first struck in the district, the mines have steadily increased in richness. Professor Silliman, three months since, visited Bodie, and at his recommendation a company of New York capitalists have invested to the tune of $500,000, in currency, and will soon put up a quartz mill of eighty stamps, somewhere in the vicinity of their purchase. The proximity of Bodie to Esmeralda is beneficial to both districts, as the miners of the former place depend entirely on Aurora for supplies. In another column will be found a lengthy letter from a travelling correspondent, in reference to this locality.

New Strike.—The *Union* speaks of a new discovery a short distance above the Alturas and near the Tennessee, on Middle Hill, a few rods east of Esmeralda gulch, On the surface apparently the ledge is only about two feet thick, but increases very fast in thickness as the shaft is sunk deeper, the width of the ledge at the depth of twenty feet being about four feet, and from present appearances it bids well for becoming still larger as the shaft progresses. The rock being taken out is very rich and is expected to yield a very handsome profit to the owners. There are only six hundred feet in the claim, which is owned entirely by Messrs T. Wilburn, L. Taylor and J. W. Miller. From ten to fifteen tons of very rich ore have already been taken out, and as soon as practicable, more hands will be put to work in the claim.

CALIFORNIA.

The activity in the California mines, heretofore of late noticed, still continues. We append our usual summary selected from various sources:—

Nevada County.—The Nevada *Gazette* says that 22 tons of rock from McCutchen's lead, near Canada Hill, recently crushed at the French mill, yielded fifty ounces in gold. Reckoning it at $16 to the ounce, which is about what this quality of gold is worth, the rock paid just $40 per ton. Mr. McCutchen has quite a large lot of rock taken out, but for want of water to run the mill will not be able to get it crushed at present.

The *Gazette* also learns that the gross proceeds of gold taken from the Enreka Tunnel Company's claims at North San Juan, during the past year amount to something over $140,000. The Company paid for water during the same period, upwards of $30,000; for powder, fuso, etc., about $10,000; and divided among its members, $70,000; the remainder of the sum total having been expended for labor and other necessary expenses.

The Grass Valley *National* says that Robert Smith & Co. have just built a new quartz mill, on Little Wolf Creek, on the site of the old Orleans Mill, near Osborn Hill. It was perfect when set in motion, and worked without any breakage or need of repairs. Since August 1st, four new quartz ledges have been discovered and located within two miles of this place, all promising well.

Sierra.—The Downieville *Messenger* says that the Keystone quartz company, situated near Sierra City, reports from which have been of a very favorable character for some time past, struck their ledge and at a much lower point than ever before worked, having been for a considerable time running a tunnel for that purpose.

Tuolumne.—The Tuolumne *Courier* says that the "Star" or Jones lode is proving quite as rich as was expected, and Mr. Jones, the proprietor, has a fortune in sight. It is located about two miles above American camp, and 11 from Columbia. There is a ten-stamp mill on the claim. The last run of four days, crushing about 25 tons of rock, yielded 168½ ounces of gold. A run of three days previous, running five stamps, and crushing ten tons of rock, the yield was 110 ounces. The rock contains considerable silver, and fine wires have been found of this metal, perfectly pure.

The South extension of the above, owned by Dr. Baldwin and Messrs. Treat & Dillon, of Columbia, is also rich. The editor of the *Courier* has seen a splendid prospect from some rock taken from their claim, about 25 feet from Jones' line. The lode can be traced all along the surface and shows free gold throughout.

Siskiyou.—The Siskiyou quartz lode still prospects immensely rich, says the Yreka *Journal*, paying about a thousand dollars to the ton of rock. Owing to the hardness of the quartz the work of getting it out progresses very slowly. The *Journal* further says that the miners of Scott river have their claims very generally opened and ready for washing. The prospects are good.

Tehama.—The Original Williams & Kellinger Company, Pittsburg, says the Red Bluff *Independent*, are now taking out some of the finest copper we have seen in the State. Twenty-five tons are ready for shipment, and will be at this place for the next boat. Three tons per day are being taken out, all selected ore. It is all alike, and must be worth at least $100 per ton in San Francisco.

The timber for the quartz mill at Copper City is all on the ground, and Mr. Kelly goes below in a few days to get the machinery. When this mill is up and at work, we shall record the weekly shipment of bullion from the rich mines of Pittsburg. No splurge or excitement has been made over these mines, but we know the mineral is there in quantities, and knowing this, the companies have gone to work coolly and in a business manner. Pittsburg will yet astonish Washoe.

Numerous hypotheses have been formed from time to time to account for the origin of the elliptical orbit of the earth, but all candid mathematicians and philosophers admit that the best of the theories of explanation are unsatisfactory.

Mining and Scientific Press.

W. B. EWER,..... .....Senior Editor.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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Our Circulation.—The Mining and Scientific Press has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

It is Impossible for editors to know all the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for Inventors can secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

☞ For New Mining Advertisements see last page.☜

San Francisco:
Saturday Morning, Aug. 27, 1864.

Mechanics' Fair Daily Press.

Our arrangements for the Mechanics' Fair Daily Press are complete. The paper will be printed in the Pavilion, daily during the continuance of the Fair, upon Gordon's largest size Franklin Press, and driven by one of Roper's Hot Air Engines. The sheet will be got up in a neat and attractive style, and circulated gratuitously. It will be devoted mainly to matters connected with the Exhibition. The advertising space is necessarily limited and is fast filling up. Those who wish to secure the superior advertising advantages which it will afford, will do well to apply immediately at the office of the Mining and Scientific Press.

MONETARY AFFAIRS.

The money market is unchanged in any essential feature, and the increased activity in loans predicated upon the late decision of the Supreme Court, securing to capitalists all that was desired for their protection, has not been made apparent as yet. Loans have been made upon Bond and Mortgage Securities at rather more favorable rates of interest than formerly, and we believe that considerable sums of money are seeking such an outlet for investment; but in Bank and in the open market, applications are still numerous and the facilities afforded to borrowers are extended with the same degree of caution as heretofore. The mercantile classes are, generally speaking, in a comfortable condition. Many of the importers from domestic Atlantic ports have made handsome profits in remitting currency payments upon a steadily advancing gold market for two years past, but importers from foreign ports, who have not been so fortunately situated, and the jobbers whose credit to the country dealers six months since promised to be unavoidable, for some time to come, are likely to require a full loan of discount from the Bankers, and are at this time preparing themselves for a little stringency during the approaching fall. Stock collateral loans are negotiable with less difficulty and first class shares are meeting with more favor among money lenders. We learn of transactions at 1½ per cent. per month on call and for short time loans. Gould & Curry, Savage and Potosi are preferred by capitalists, but loans upon other stocks are also effected at higher rates of interest and with larger margins from current market value.

Legal Tender notes have been exceedingly dull and inactive this week at about 39 cents and 39½. Large disbursements have been made by government officials recently and the market is for the moment abundantly supplied.

Copper Ore Shipped.—The "Garabaldi" which sailed the past week, took away 500 tons and 90 barrels of copper ore. Copper ore is rapidly becoming an important article of shipment from this city.

SOUTHERN TRADE.

Immediately after the fall of Vicksburg, and the subsequent opening of the Mississippi river, a fever of speculation seemed to seize upon northern and western merchants, and our generals on the Mississippi line were constantly beset for permits to open trade with such portions of the South as had been passed over by our armies and placed within the federal lines. Large amounts of goods were consigned to Memphis, Vicksburg and especially to New Orleans. At first permits for trade were quite freely given; but government soon found that a door was being indirectly thrown open to a species of contraband trade, from which its enemies were deriving important advantages. A greater circumspection was therefore enjoined upon those in military command, and licenses to trade were less freely given, and with more stringent provisions. Much dissatisfaction was thereby engendered towards those in authority, and charges of a vacillating policy were freely urged against the government. The anticipated profits of trade were soon found to be but a myth; and late advices, particularly from New Orleans and the lower Mississippi, inform us that the business which was expected to grow up there in consequence of the suppression of the rebel power in that quarter has proved an absolute failure.

There is a consideration connected with any revival of trade with the South, which appears to be almost entirely overlooked by the North. The fact that the productive industry of the South has been entirely suspended for the past two years seems not to be considered. The elements of southern society have been completely overturned by the ravages of this terrible war. Nearly all the artificial wants of the people have ceased to exist in that ill-fate region, by reason of the stoical indifference to anything but absolute necessities, into which that portion of the population which remains at home has schooled itself. As society now exists these traders might as well attempt to open general commercial intercourse with the natives of some newly discovered land, as with people of the once great and flourishing Southwest. A single cargo of flour, or a solitary invoice of clothing is now sufficient to glut the market of the great city of New Orleans, whose extensive levees were but four years since crowded with goods of every description, and whose river front presented a perfect forest of smoke-stacks, belonging to the great fleet of steamers which then knew none other than errande of peaceful and flourishing commerce. The terrible change which reckless rebellion has brought about is horrible to think of!

The idea that mere military possession is going to open up an extensive and profitable business, before the blessings of peace shall have first been spread over the land, and industry thereby once more returned to its accustomed channels, is a delusion which it were well to banish from our minds.

The South seeks to destroy the best government ever established upon the face of the earth, and would found upon its ruins an oligarchy based upon slavery—of all governments the one least in sympathy with true religion and human progress. A just God will avert such a calamity both from those who seek it and from those who would prevent it. Peace and union will, in God's own time, come again to our bleeding and distracted country. When the passions of men are stayed, the South will again become the paradise it was; and when the people shall be purged of their sins and the false ideas which have driven them to the brink of ruin, then shall our whole country, united, happy and prosperous, beyond all former precedent, rise like a garden from out the her present sea of desolation.

It is said that oysters placed in an aquarium will keep it free from the *Spores*, of seaweeds. "Spores" or "Sporules," in botany, are that portion of flowerless plants which perform the function of seeds.

Important to Copper Miners.—The necessity of a cheap method of raising the per centage of poor copper ores to a paying standard is recognized by all copper miners. We have not yet heard of any machinery which appears to give satisfaction in the accomplishment of this work. Mr. Hunter, the inventor of "Hunter's Concentrator," already fully noticed in our columns, feels very sanguine that his machine will do the work, thoroughly and cheaply. It is self operating, being fed directly from the stamps, and depositing the ore at one end of the machine and the earthy and worthless portion at the other. The advantages of concentration are manifold, effecting an important saving in sacking, transportation and an increased proportion of value of the ore as the percentage is advanced. The old plan of "jigging" is very laborious and quite too slow for the high price of California labor. There are thousands of tons of refuse ore now laying worthless at the mouth of our various mines, which the introduction of the proper machinery would bring into the market. We would suggest to persons interested in copper mining to call and examine Mr. Hunter's machine and judge for themselves of its applicability to the work of concentrating of copper ore.

Death of S. W. Langton.—We regret to state that S. W. Laugton, the well known expressman of California, died on Tuesday night last. It will be recollected that Mr. L. met with an accident some two weeks since by being thrown from a buggy, and subsequently underwent the amputation of a leg. Hopes were entertained that he would recover; but a sudden relapse set in, under which he expired as above. Mr. Laugton established an express over the mountains early in 1850, which has since been extended, from time to time, until it now connects with most of the principal mountain towns in northern California, and Nevada Territory.

The Ladies' Christian Commission Fair, at Union Hall, is proving a great success. It has been thronged daily and nightly since it opened. The sales are lively, and everything connected the institution goes "merry as a marriage bell." This new effort is another great and glorious proof of California's loyalty and liberality, and the interest she feels in the mighty hosts of patriotic heroes, who are pouring out their blood so freely for the safety and salvation of our country in this her time of greatest need.

A Glut.—It is said that the amount of merchandise now in bond, in this city, is unusually large. Most of the warehouses along the bay front are gorged with goods. That on Lombard street alone contains between two and three thousand tons—near fifteen hundred tons of which is Manilla sugar. Even iron is being bonded under the increased rates of tariff, a thing heretofore almost unknown.

The Warm Spring Hotel, kept by Messrs. R. S. Gardner & H. Blaising, is located about one and a half miles east of Carson City, N. T. Mr. Gardner was formerly proprietor of the Crescent City hotel in this city. Connected with the house is fitted up a bathing place, where visitors can secure the benefit of the warm mineral springs from which the hotel derives its name. The mineral qualities of these springs are pronounced by physicians as the best in the Territory. They are said to contain about all the peculiar medicinal qualities required by most invalids; and parties who have visited them generally acknowledge having derived much benefit therefrom. An omnibus runs regularly between the hotel and Carson City.

New Warehouse.—A magnificent brick warehouse, three stories high, and covering a fifty vara lot, is being erected by Mr. Treadway at the corner of Fremont and Market streets.

The passengers who arrived in San Francisco on the 30th of August, 1849, by the ship Humboldt, intend celebrating the day in this city, on Tuesday next, by a general re-union of those living.

ELECTION OF OFFICERS.

Consolation G. & S. M. Co.—Meeting, Aug. 10th, 1864: Trustees, Thos. N. Cazneau, M Cody, M. M. Closkey, D. J. O'Callaghan, F. O'Farrall, Daniel McCarthy and M. Guerin. President, Thos. N. Cazneau; Vice President, M. M'Closkey; Secretary, Michael Hawkins; Treasurer, Michael Cody; Superintendent; Gen. James Shields.

San Lorenzo G. & S. M. Co.—Meeting, Aug. 16th. Trustees, G. B. Davis, Daniel Swett, I. F. Babcox, A. W. Rice and Daniel S. Flagg. President G. B. Davis; Secretary, Milo Calkin; Treasurer, E. Worth; Superintendent, Daniel S. Flagg.

Later from Sooke.—The latest accounts from the Sooke mines, *via* Victoria, indicate that the diggings are extending. The several claims mentioned lately continued to pay about as usual. The Wake-up-Jake Company is taking out from one hundred to one hundred and fifty dollars per day. A claim next to the above, worked by two men with a rocker, wash out their ounce a day regularly. They cease their labors for the day, so soon as the regular *quotum* is made. Thain & Co., have been averaging from five to seven dollars per day to the hand. A Victoria paper of the 14th inst, says: "The intelligence received from our Island diggings continues highly satisfactory. Few have, so far, returned without the intention of retracing their steps, and the number of miners now on Leech River is said to fall not far short of 800. About $2,000 have been spent for license, etc."

Per contra to the above, the Olympia *Tribune* speaking of these mines says:—"The golden representations that came up from there last week induced some of our citizens to take a prospecting tour down that way. They returned not very favorably impressed with the idea of abundance of hidden treasure in those regions."

New Route.—It is intended ere long, that passengers for the northern interior shall leave the Latrobe train at Folsom, go thence by rail to Lincoln, over the Central Road, and there take the stages for Auburn, Grass Valley, Nevada and Marysville, at which places they can then arrive by daylight of the morning after leaving San Francisco. At Marysville passengers can take the Northern Railroad cars for Oroville, connecting there with the stages for Red-Bluff, Shasta, Weaverville and Yreka, and reach Shasta in 24 hours from this city. These new arrangements will greatly expedite the transportation of the mails, expresses and passengers. They furthermore contemplate the landing of passengers from this city at Freeport, about eighteen miles below Sacramento, and will consequently leave that city entirely out of the route of travel to the interior. Of course the Sacramentans are very much excited about it and avow their determination to withdraw all patronage from any steamer which will stop to land passengers or freight at Freeport. It may be and is hard upon the city of Sacramento which has already suffered so terribly from fire and flood. But the laws of trade and travel are inexorable, and will always find the most favorable route —as surely so as water finds its level.

The Table Mountain Copper Mine shipped, the past week, per "Garabaldi," 65 tons of ore, the finest which has ever come from that mine. The last lot assayed 21 per cent., and was shipped just as it came from the mine. About $4,000 was realized from the shipment. This mine is now sustaining itself and will soon be able to declare dividends. In fact only $3.05 per foot has ever been asseeed by this company. They are now working 25 hands, have a good steam hoisting apparatus, with a shaft 160 feet, and two galleries, between which stopeing has been commenced. The vein is four feet wide, of concentrated ore, at the bottom of the shaft. This is one of the most promising copper mines in the State.

Treasure from the North.—The *Pacific*, which arrived on Thursday, brought down $528,689; of which amount $325,465 comes from Portland and $203,224 from Victoria.

The Science of War.

The science of war is receiving its share of improvement in America, like everything else, although when the present contest broke out we were essentially behind the great military powers of Europe in our knowledge of military matters. In no respect is this more clearly evinced than in our field works, the construction of which has called forth a remarkable degree of inventive ingenuity. The Richmond papers speak of Butler's works at Bermuda Hundred as marvels of scientific intricacy. They consist of high earthworks, defended by a ditch twelve feet wide and a perfectly impenetrable abattis, the trees and branches composing the latter being thickly interwoven with wire. According to the rebel account, had there been no garrison defending this work it would have taken the rebel troops two hours to get into the intrenchments. Some of Lee's works at Spottsylvania were nearly as formidable, rendered so chiefly by the ingenuity displayed in the abattis. Grant's works in the siege of Vicksburg were wonders of engineering skill. In artillery our armies are undoubtedly superior to any in the world, not only in the number and value of the pieces, and the peculiar efficacy of the shot and shell, but also in the use of the guns. No such achievements have been accomplished in Europe as by Gilmore at Charleston and Fort Pulaski. In the department of logistics, or the providing for, care and transportation of an army, we may safely challenge a comparison with any Power in the world. Our arrangements are not surpassed by any, and they are equaled by very few. Thus the great civil war has been educating the nation up to the highest standard known to military art, and preparing the republic for any evil day which may hereafter befall her. Taking the military system of the United States as it is at the present time, it may be regarded as worthy of the nation and the age, and the proof of its excellence is afforded by the results it has achieved against armies as well led and composed of as brave men as any of modern times. Perhaps the best proof of the excellence of our military system is seen in the fact that the military power of the rebels is derived from the training of the rebel generals at our own schools and in our own armies. Yet the schools which produced these able rebels have also produced the men who could beat them.—*Philadelphia North American.*

How Columbus Looked.—The personal appearance of Columbus was not a bad index of his character. His general air expressed the authority which he knew so well how to exercise. His light grey eyes kindled easily at subjects of interest. He was tall and well made. His complexion was fair and freckled, and inclined to ruddy. Trouble soon turned his light hair grey, and at thirty years of age it was quite white. Moderate in food and simple in dress, temperate in language, bearing himself with courteous and gentle gravity, religious without being a formalist, repressing his irritable temper with a lofty piety, he was the model of a Christian gentleman. The devout reference of his successes to Divine favor, with which he concludes the report of his first voyage to the sovereigns of Castile, is highly characteristic of the man.—*Once a Week.*

The ladies of Austin, the young metropolis of the Reese River mines, between Salt Lake and Carson Valley, recently raised $950, through the medium of a ball, for the erection of a public school house, at that place.

A new stern-wheel steamer was launched in Stockton on Saturday last. The *Independent* says "she is all that can be required of the kind, and is the strongest and heaviest framed stern-wheel boat ever built in California, if not in all America."

The drouth is so severely felt in the town of Mariposa, that nearly all the wells have dried up, and the *Gazette* says should a fire break out in the busiuess street, there would be no water available to extinguish or check it.

The pitch gatherers of Butte are rejoicing over the fact that the price of their commodity is advancing.

New Era Copper Mining Company, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 20th day of September, 1864, in United States Gold Coin, to the Secretary, at his office, on the southwest corner of Washington and Stockton streets, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 10th day of October, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 9-4t

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE.
Astor, Gold Hill, $1	Sep 10—Sep 21*
Augusta, Augusta, R. R., 2 ass'ts 12½c each	July 30—Aug 31*
Animas, Durango, Mex., $1	Aug 13—Aug 27*
Alpine, Amador Dist. 25c	Aug 18—Sep 1
Adriatic, Flowery, $1	Aug 20—Sep 3
Ashland, Arizona, $1	Aug 14—Aug 29
Adelaide Cons., 50c	Aug 22—Sep 5
Alameda Coal, $1	Sep 8—Sep 24
Alban	Annual Meeting Aug 27
Alemania, San Antonio, $1	Sep 26—Oct 7
Aucho, Inyo, 10c	Sep 22—Oct 6
Baltimore	Annual Meeting Sep 16*
Bell, Santa Fe, Lauder co	Aug 13—Sep 15*
Black Ledge, Reese River, $2	Aug 19—Aug 31
Barreteros, Mex., $5	Aug 15—Aug 27
Black Rock Ledge, R. R., $1	Aug 18—Sep 5
Blanding, Devil's Gate, $2	Aug 26—Sep 3
Belcher, Baldwin & Abernethie, Div'd $8,.	Payable Aug 10
Buckeye, Devil's Gate, $2	Sep 19—Sep 30
Baja California, San Antonio, 50c	Sep 17—Sep 28
Boston Copper	Special Meeting Aug 28
Butte, Humboldt	Annual Meeting Sep 26
Big Blue Lead, Tulare, $2	Sep 28—Oct 14
Bajazett & Gold Era Cons., 2 as.$5 ea.	Levied July 30, Aug 23
Baja California	Special Meeting Aug 30
Citizens', Coal, Mount Diablo, $5	Sep 24—Oct 8*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Caldwell, Cove	Removal*
Clinton, R. R., 50c	Aug 6—Aug 26*
Charter Oak, Santa Catalina, 10c	Aug 11—Aug 27*
Comstock, San Antonio, $4	Aug 22—Sep 3
Chase & Cornwall, Amador Dist. 25c	Aug 18—Sep 1
Cossette, Arizona, $1	Aug 13—Sep 3
Cedar Hill T. & M., Virginia, 50c	Aug 27—Sep 12
Crown Lead, Mariposa, $1	Aug 18—Aug 30
Calaveras Iron Mt. Copper, 50c	Aug 19—Sep 3
Consolacion, Sinaloa, $2	Sep 11—Sep 26
Correl Viejo, Sonora, $7.50	Aug 15—Aug 29
Coral Hill, Lander co., 25c	Aug 26—Sep 12
Chrysopolis, Virginia, $1	Sep 6—Sep 20
Camargo, R. R., $1	Sep 1—Sep 17
Catalina Cons., San Pedro, 20c	Sep 6—Sep 17
Crown Point Ravine, Gold Hill, $1	Aug 30—Sep 14
Copp, Sierra, $1	Sep 10—Sep 24
Cluco Senores & La Providencia	Consolidated
Chicago & Detroit, Amador co., 75c	Sep 17—Oct 1
Cordillera, Chihuahua, $1	Sep 21—Oct 1
Cholla	Quarterly Meeting Sep 7
Cortez, Lander co., $6	Sep 29—Oct 15
Central American, Gold Hill, $1	Aug 2—Sep 1
California, Virginia, $12.50	Aug 12—Sep 14
Chihuahua & Western Summit, $1	Sale Sep 1
Codicia, San Antonio, $2	Sep 27—Oct 10
Diamond, Santa Catalina, 10c	Aug 11—Aug 27*
Dane, Esmeralda, $1	Aug 13—Aug 30*
Daniel Webster, 20c	Aug 13—Aug 27*
Diana, R. R., $2	Aug 20—Sep 1
De Soto, Star, $2.50	Aug 27—Sep 12
Daniel Webster, Devil's Gate, $10	Aug 24—Sep 7
Del Norte Comstock, 25c	Sep 18—Sep 30
Daney	Quarterly Meeting Sep 5
Dacota, R. R., $1	Sep 28—Oct 14
Eldorado	Annual Meeting Sep 16*
Eagle Quartz, Amador co., $2	Sep 10—Sep 26*
Eureka M. & M. Co., Lander county, $3.15	Aug 13—Aug 27*
El Taste, Mex., $2	Sep 20 Sep 30
El Toro, Mex, $2	Sep 3—Sep 13
Eureka, Coal, Alameda co,, $1	Aug 16—Aug 30
El Dorado, Virginia, $2	Aug 15—Aug 31
Eureka & Elizabeth Cons., Calaveras co., 10c	Aug 18—Sep 1
Eureka Coal, Alameda co	Annual Meeting Aug 29
Eyla, Summit, 50 c	Aug 25—Sep 8
El Alamo de San Antonio, Lower Cal., 50c	Sep 1—Sep 15
Eclipse, Tulare co	Annual Meeting Sep 5
Eureka & Elizabeth Cons., Cal Co	Annual Meeting Sep 6
Esperenza, San Luis Obispo, Sp. Meeting Sep 20	S. L. Obispo
Eclipse, R. R.	Annual Meeting Sep 6
East Range, Humboldt, $8	Sep 25—Oct 18
El Tesoro, Lower Cal., $3	Sep 26—Oct 10
Fortuna, R. R., $1	Aug 6—Aug 29*
Fairview, Copper, Calaveras co., 40c	Sep 10—Sep 26*
Franco Americana, San Antonia, $10	Sep 2—Sep 13
Figaro, San Antonio, 25c	Aug 27—Sep 8
Florida, Lander Co., $5	Sep 6—Sep 20
Gen. Jackson, Dovil's Gate, 50c	Sep 24—Oct 8*
George Washington	Annual Meeting Sep 17*
George Washington No. 2	Annual Meeting Nov 17*
Gold Rock, Calaveras co,, 50c	Sep 10—Sep 26*
Good Hope, Alpine, 75c	Aug 27—Sep 10*
Great Western, Keyes, Mono co., $1	Sep 24—Oct 8*
Good Return, Cons., Tulare, $1	Aug 24—Sep 10*
Gobernadora, Lower Cal., $1	Sep 3—Sep 17*
Guadalupe del Agnajito, 50c	Aug 20—Sep 6
Golden Rule, Tuolumne, 50c	Aug 25—Sep 14
Great Central, Smoky Valley, 50c	Aug 29—Sep 10
Goodwin, Simpson Park N. T., $1	Sep 7—Sep 22
Green, Gold Hill, $1	Sep 8—Sep 24
Germania No. 2, Slate Range	Sale Aug 22
Gold Canon Cons., Gold Hill, $2	Sep 24—Oct 8
Gov. Nye, Alpine co., 50c	Sep 21—Oct 8
Gold Hill Tunnelling, Gold Hill, $1	Aug 13—Sep 5
Great Cons. Boise, Idaho, $1.25	Aug 31—Sep 17
Guadeloupe de los Angelos, $1.50	Sep 2—Sep 12
Gov. Seymour, R. R., $2	Sep 26—Oct 8
Honest Minor No. 2, R. R., 62½c	Sep 3—Sep 17*
Holcombe, R. R. nder co., $1	Aug 6—Sep 5*
Heidelberg, Marir co., 10c	Aug 20—Sep 5*
Henry & Barnard, Weaver, 10c	Sep 3—Sep 19*
Hale & Norcross, $25	Aug 22—Sep 7
Hornitos, Hornitos, $1	Aug 24—Sep 6
Hawley, Dovil's Cato, $7.50	Aug 1—Aug 27
Harmon, El Dorado co., $5	Aug 9—Aug 27
Hornitos, Mariposa, 75c	Aug 24—Sep 6
Humboldt Canal, Humboldt co., $3	Sep 17—Oct 5
Illinois	Annual Meeting Sep 19*
Imperatrice, Santa Fe, Lander co	Aug 13—Sep 15*
Illinois, El Dorado Canon. A. T	July 30—Aug 29*
Illinois, Smoky Valley 50c	Aug 13—Sep 2*
Iowa, Virginia, $5	Aug 19—Sep 5
Iowa, Esmeralda, $1	Sep 5—Sep 22
I X L, Alpine co., 75c	Sep 10—Sep 21
Iron Clad	Annual Meeting Sep 12
J C Fremont, Sil. Mt. 4 ass'ts at 25c	Adv Aug 1—Sale Sept 1
Josephine, Coso, 50c	Aug 31—Sep 12
Jewett, Gold Hill, $1	Sep 21—Oct 6
Jewel, Devil's Gate, $1	Sep 21—Oct 4
Kate Lamar, R. R., 50c	Aug 27—Sep 10*
Kelsey, Eldorado co., 10c	July 27—Aug 27*
Keokuk, Contra Costa, 15c	Aug 27—Sep 10*
Kohler Bros., San Antonio, Mex., $1	Aug 16—Aug 27
Keokuk, Clayton	Annual Meeting Aug 27
Kanaka Quartz, 25c	Sep 19—Sep 30
Libertad, Mexico, $5	Aug 27—Sep 8*
La Candelaria, San Dimas, $2.50	Sep 24—Oct 8*
La Libertad, Cacachillas, L. C., $1	Sep 3—Sep 17*
La Traviata, Calaveras co, 50c	Aug 20—Sep 3*
Lochinvar, Gopher, 50c	Aug 16—Aug 27
Louisiana, R. R., $1.50	Sep 12—Oct 1
La Palma, San Antonio, Mex., 25c	Aug 18—Aug 30
London Quartz, Siskiyou co., $1	Aug 11—Aug 25
Lady Bryan, Flowery, $3	Aug 21—Sep 10
La Blanca, Sonora, $2.50	Aug 22—Sep 5
Latrobe, Virginia 50c	Sep 1—Sep 15
Lady Bell, Low Divide, 20c	Sep 1—Sep 14
Lotus, Gopher, 25c	Aug 31—Sep 17
Lily of the West, Esmeralda, 5c	Sep 14—Sep 25
Las Chureas, Lower California, $50	Sep 20—Sep 30
Legal Tendor, Lander co., $1	Aug 9—Sep 24
La Fernandez, Hermosillo, Mexico, $2	Sep 26—Oct 11
La Blanca, Ures, $2.50	Sep 26—Oct 7
Las Cruzecitas, San Xavier, $6.25	Sep 26—Oct 8
Mechanics', Clayton, 5c	Sep 24—Oct 8*
Mammoth	Annual Meeting Sep 9*
Maryland, Santa Fe, Lander co	Aug 13—Sep 15*
Mosquito, Calaveras co., $5	Aug 13—Aug 29*
Mount Zion, Clayton Dist., Contra Costa, $1.	Aug 11—Aug 27*
Mount Washington, Devil's Gate, $2	Aug 26—Sep 3
Manchester, Monitor, $1	Aug 16—Aug 31
Mineral Hill, Mono co	Annual Meeting Sep 1
Maggie, Lander co., $5	Sep 9—Sep 29
Mt. Zion	Annual Meeting Sep 3
Musidora, San Antonio, 50c	Sep 3—Sep 17
Monte Cristo	Special Meeting Sep 13
Maria, Chihuahua, 75c	Sep 24—Oct 8
Monte Cristo, Virginia, $1.50	Sep 28—Oct 14
Maria, Lower California, $3	Sep 24—Oct 8
Manzanilla, Sinaloa, 25c	Sep 24—Oct 7
Mina Prieta, Ures, $10	Sep 23—Oct 5
New Era, Cop., Tuolumne co., 50c	Sep 24—Oct 10*
Napa	Annual Meeting Sep 12*
North Star, Santa Catalina, 10c	Aug 11—Aug 27*
North Star, R. R., $2	Aug 20—Sep 2
New York Quartz, El Dorado co., $1.25	Aug 23—Sep 2
New Year Diggings, Tuolumne $1.50	Sep 2—Sep 14
North Potosi, Virginia, $12½	Sep 8—Sep 20
New England Cons., Santa Catalina, 5c	Sep 16—Sep 26
Noble Grand, Inyo	Special Meeting Aug 27
New Hope, Lander co	Annuual Meeting Sep 5
Nuestra Senora de Cuadaloupe, Mex. $1,	Sep 23—Oct 8
Ossipee, Eldorado co., 5c	Aug 27—Sep 13*
Oxford Beta, Esmeralda, 50 cents,	Aug 13—Aug 31*
Open Sesame, Clayton District, $1	Aug 12—Aug 27
Oak Flat Quartz, Sierra co ,20c	Aug 30—Sep 13
Ontario, R. R.	Annual Meeting Aug 17
Ontario, R. R., $6	Aug 31—Sep 14
Owens River, Inyo, $3	Sep 3—Sep 14
Ontario, R. R.	Annual Meeting Aug 17
Palmyra cons.	Annual Meeting Aug 22*
Porter, Virginia, N. T., $5	Aug 27—Sep 10*
Palma, Sonora, Mex, $1	Aug 27—Sep 10*
Pena Silver, Lower California, $3	Aug 20—Sep 3*
Paris, Gold Hill, 50c	Aug 13 Sep 3
Planet, Arizona, 50c	Aug 23—Sep 7
Peninsula, San Antonio, $10	Aug 25—Sep 9
Plumbago, Sierra, $1	Sep 3—Sep 17
Prima Donna, D. G.	Annual Meeting Sep 7
Peytona, Virginia, $1	Sep 12—Sep 30
Patrocina & Dolores, Chihuahua	Annual Meeting Aug 29
Pacific, Esmeralda, 50c	Sale Sep 15
Providential, Lander co., $3	Sep 15—Sep 30
Phœnix, R. B., 50c	Sep 3—Sep 15
Patrocina & Dolores, Mex., $2	Aug 13—Sep 5
Queen of Antilles Cons., R. R., 5c	July 30—Sep 2*
Rose Matilda, Santa Catalina, 10c	Aug 11—Aug 27*
Rancheria, San Antonio, $1	Aug 13—Aug 31
Rosario and Carmen, $1	Aug 20—Sep 2
Roach, Mono co	Annual Meeting Sep 1
Rhodes Diggings, Sacramento co., $1.50	Sep 10—Sep 24
Refugio, Chihuahua	Annual Meeting Sep 8
Real del Monte, Esmeralda	Sale Sep 5
Rising Sun, Clayton, 20c	Aug 21—Sep 21
Rising Sun, Clayton	Annual Meeting Sep 6
Roxby, Gold Hill, 50c	Sep 21—Oct 3
Reese River Enterprise	Aug 23—Sep 3
Santa Cruz, Petroleum, 12½c	Sep 26—Oct 10*
Sierra Nevada, Sierra co	Annual Meeting Sep 12*
Salamander, Calaveras co., 10c	Sep 17—Oct 4*
San Francisco, Moss Ledge, S. F. Dis., A. T.	$1..Sep 17—Sep 28
Sierra Nevada	Annual Meeting Sep 12*
Silver Creek	Annual Meeting Sep 17*
Silver Prize	Annual Meeting Sep 20*
Silver Prize No. 2	Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Santa Maria, Santa Fe, Lander co	Aug 13—Sep 15*
Sierra Nevada C. Q., Sierra co., 50c	Sep 3—Sep 17*
Sisters, Augusta, R. R., 2 ass'ts 15c each	July 30—Aug 31*
San Marcial, Sinaloa	Sale Sep 5
Segregated Crown Point, Gold Hill, $25.	Aug 9—Aug 31
Salambo, Tuolumne co., 50c	Aug 16—Sep 3
Santa Rosa de Ures, Mex., 50c	Aug 15—Aug 27
Starlight, Humboldt co., 50c	Aug 10—Aug 30
Siempre Viva, Sinaloa, $2.50	Aug 20—Sep 3
Santa Teresa de Jesus, Cucurpe, Mex., 50,	Aug 20—Sep 5
San Francisco, Gold Hill, 40c	Aug 18—Aug 31
Santa Anna, San Antonio, Mex., 10c	Aug 29—Sep 8
Star of Hope, Alpine co, 35c	Aug 10—Sep 5
Santa Cruz, San Antonio, $2.50	Aug 24—Sep 5
San Antonio, Cbiquite, Mex	Sale Aug 31
San Lorenzo, Santa Cruz, 50c	Aug 22—Sep 7
Seneca, Virginia, $5	Sep 2—Sep 16
Silver Cloud, Alpine co., 50c	Aug 28—Sep 8
San Carlos Exploring & Mining, $4	Aug 31—Sep 12
Sweet Vengeance, Yuba co., $1	Sep 6—Sep 20
Siskiyou, Siskiyou co., $1	Sep 10—Sep 24
Standard, Lander co., $1.50	Sep 13—Sep 25
Sheba, Star City, Humboldt co., $10	Sep 12—Sep 24
Sophia, Tuolumne co	Annual Meeting Sep 5
Smith & Martin, R. R., $12	Sep 23—Oct 5
Smith & Martin, R. R.	Annual Meeting Sep 20
Seneca, Virginia	Annual Meeting Sep 12
Seneca, Esmeralda, 10c	Sep 14—Sep 25
Seteyeme, Esmeralda, 5c	Sep 14—Sep 25
Sigel, Humboldt, $1.50	Sep 20—Oct 3
Santa Rosa, Virginia	Semi-Annual Meeting, Sep 1
Scottish Chief, Humboldt co., $1	Aug 9—Sep 22
Tiptop	Annual Meeting Sep 17*
Tellurium, Pine Grove dis., Amador co., $1	Aug 13—Sep 7*
Tallulah, Sierra, $15	June 17—Aug 29
Texas, R. R., $1	Sep 12—Oct 1
Tecumseh, Gopher, $3	Aug 22—Sep 6
Tesoro, Lower California, $1	Aug 18—Aug 31
Tennessee, Echo, 50c	Aug 13—Aug 30
Toledana, Mariposa, 25c	Aug 22—Sep 9
Tranquillen, Fresno	Annual Meeting Aug 29
Tulare, Inyo, 40c	Aug 31—Sep 14
Tornado, 30c	Sep 3—Sep 15
Triunfo, San Antonio, $1	Aug 31—Sep 14
Toledana, Mariposa	Annual Meeting Sep 1
Teutonia, Gold Hill	Special Meeting Aug 27
Teutonia, Gold Hill, 25c	Sep 16—Sep 29
Tecaripa, Hermosillo, $3	Sep 26—Oct 6
Tellurium	Annual Meeting Sep 22
Union, Sierra co., Dividend	Payable July 15
United States, Lander co, $1	Sep 10—Sep 24
Union No. 2, R. R., $1	Sep 15—Sep 28
Union, Copper	Annual Meeting Sep 24
Veatch, Clifton	Sale Sep 19
Wisconsin	Annual Meeting Sep 17*
Well Partridge, Weaver, A. T., 12½c	July 30—Aug 27*
Wide West Cop., Calaveras co., 20c	Aug 13—Aug 27*
Wellington, Santa Catalina, 25c	Aug 17—Aug 31*
Williams, Silver Mountain, 25c. 20c & 25c	Aug 1— Sept 1
Washington, Lander co., 50c	Sep 1—Sep 15
White & Murphy, Virginia, $7.50	Sep 21—Oct 4
Washoe, Gold Hill $4.50	Sep 21—Oct 5
Washington, Vulcan & Grace Darling Cons	Sale Sep 7
Wide West, Alpine co., 50c	Sep 24—Oct 8
White & Murphy, Virginia	Annual Meeting Sep 6
Yellow Jacket, 11 per cent	Levied Aug 1
Yankee Blade, R. R., $5	Sep 16—Oct 3
Yarborough	Annual Meeting Sep 12
Zenith, Calaveras co., 50c	Sep 17—Oct 3
420, Virginia, $6.25	Aug 22—Sep 6

*Those marked with an asterisk (*) are advertised in this journal.

Gold in New York.

Friday, Aug. 19	257½
Saturday, Aug. 20	257.
Tuesday, Aug. 23	256½@257.

Legal Tender Notes.

San Francisco, Friday, Aug. 26 ..... 39½ per cent.

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L. B. WOOSTER, Secretary.

Office, No. 410 Montgomery street. 7-2t

Enlargement.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

Owens River.—News from the Owens River country says the *Union*, is somewhat encouraging. A gentleman just returned from Bend City, says that some very rich discoveries have been made in that vicinity within the past week. He says that several leads of immense richness were found a few miles below Bend City, the rock from which is now being crushed in hand-mortars. One piece weighing a ponnd yielded ten dollars in gold. Teams had been crossing the leads for mouths, the drivers all the time ignorant of the wealth beneath them. The leads are not large, hut the quantity of metal contained in them is sufficient to warrant their speedy developmeut. On making these important discoveries the owners immediately eommenced the construetion of eight or ten arastras, by means of which they expect to extract large amounts of bullion. A furuace is also being huilt for smelting purposes. The Union mill is now running regularly. One of the hest mills has stopped runniug for want of a competent amalgamator. The proprietors are adding five more stamps to the original number, and when the new amalgamator, for whieh they have sent to San Francisco, arrives, the mill will, it is believed, he in good running order, and ready to resume operations under more favorable auspiees. Our informant says there is an ahundanee of grass in the valleys and meadows of the eountry, in many places over two feet in hight.

The Most Successful Copper Mine in Europe.—The twentieth annual report of Devon Great Consols Mines has just been issued, from whieh we learn that, with an origiual outlay of 1,024*l.*—1*l.* per 1,024 shares, into which the miue was divided—the quantity of copper ore returned during the twenty years' working amounts to 397,396 tons, which realized 2,345,993*l.* Of this there had been paid in dividends 912,384*l.*, or nearly 900*l.* per share; for an original outlay of 1*l.* The greatest quantity of ore returned in one year was in 1857, when 28,836 tons were returned, in whieh year also the greatest amount of money was realized, reaching. 159,432*l.* The largest amount paid in dividends in one year was in 1846, when 72,704*l.* were divided. During the past year 26,834 tons of ore were sold, realiziug 130,175*l.* The amount paid in dividends was 56,320*l.* beiug 55*l.* per share. The ore reserves in the mines are estimated at 72,171 tons, which, at the average price realised by the ores sold during the past year, would give a money value of over 350,000*l.* The other available assets—consisting of maehinery, plant, securities, money at eall, hills receivahle, and eash in hand amount to 122,000*l.* With regard to the future of the mines, the report states that, considering the general appearance of the various workiugs, and the immense stock of ore in reserve, prospeets have never at any time during the twenty years of their working looked more encouraging than they do at present.

Paper is now made of the eoarsest material, even hay and bramble. It only requires to he machined to become good printing paper. It takes a ton and a quarter of the best cotton rags to make a ton of pulp, and these rags cost from $125 to 175 per ton. Two tons of eoarse hay, eosting from $20 to $25, make one ton of pulp. Twenty dollars would pay for the ehemicals and twenty-five for labor, eoal, etc. A ton of paper thus made would stand at a little over $60, saving 50 per eent.

Nova Scotia.—The Nova Scotia Land and Gold Crushing and Amalgamating Company have received glowing accounts from their managing director, which state that the report from Oldham, although brief, is highly satisfactory. The specimeus sent by last mail from the Hall elaims are poor compared with the ore now heing raised. The lead is still very small, hut it has hecome regular in its eourse aud underlie, and is very rich.

Admiral Farragut.—This illustrious naval hero, who has just performed the good work of taking the forts which defended Mobile, and destroying the rebel fleet in that harbor, is now near seventy years of age. He is a native of Tennessee, entered the navy from that State, and has beeu fifty-three years in the service, twenty-four of whieh were spent at sea, and eighteen on shore duty. He is the naval h·ro of this age, whose noble example will be in future times worth more to the navy than many ships and guns.

A Sinoular Explosion occurred in Marysville on Friday last. The *Express* says: "At last the mystery was solved. An empty whisky cask, closed air-tight, which had been lying exposed to the sun on Maiden Lane, just above Third street, exploded hy the foree of the gas within it, throwing the head some two hundred yards. A large erowd assembled around the fragments of the eask, and various were the opinions of scientifie gentlemen as to what was the eause of the explosiou.

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☞ References given where required. ☜ 26-3m

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aug17-tf Masonic Temple, No. 6, Post Street.

Bread Making—A most proper and praiseworthy innovation has recently been introduced into the public schools of Buffalo, N. Y. The matter of making bread has been so far popularized in the Central School of that city, that a bread bowl was among the prizes offered to the young ladies of the junior class at the closing exercises of the school recently held. Prizes were or should also have been offered to the young lady pupils for the best loaves of bread of their own making.

An apple tree in the garden of Dr. Kingman, in North Bridgewater, Massachusetts, according to an eastern exchange, has lately produced a beautiful white rose, perfect in development and fragrance, but on the stem the leaves appeared to be a union of the qualities of the rose and apple leaf. This curious phenomenon appeared about half way between the time of apple and rose blossoms.

Bitten by a Rattlesnake.—On Friday, the 12th inst., as Mr. Charles Smith was riding from Pine Nut to Genoa, says the Esmeralda *Union*, his horse trod upon a rattlesnake, which bit him on the fore leg. He rode on to Teasdale's ranch, about one mile distant, by which time the horse's leg was greatly swollen. He cut out the bitten part and promptly applied indigo, tobacco and salt, mixed with whisky—also two bottles of whisky inwardly, the first not taking effect. In about six hours the horse was so relieved as to be able to walk home, and has since recovered.

Animals living upon the mountains are found to have much larger lungs than those living in the valleys. In the city of Mexico, which is several thousand feet above the level of the sea, consumption and pulmonary complaints are never found unless taken there; the air being much lighter, requires larger and much better developed lungs in such places than in valleys, where they are contracted by the weight of the atmosphere, which is equal to fifteen pounds to every square inch of the body, because it is equal in all directions.

An Incident.—A singular scene is described in one of the English papers: Some cotton has lately been imported into Farringdon, where the mills have been closed for a considerable time. The people, who were previously in the greatest distress, went out to meet the cotton. The women wept over the bales and kissed them, and finally sung the doxology over the welcome importation. Imagine cotton becoming poetical, and people spontaneously raising a *Te Deum* because asked once more to toil!

Mortality among Cattle.—From causes which we have not heard explained, says the Napa *Register*, cattle have been dying here very fast, of late. Milch cows, which one day were apparently healthy, have been found dead the next. The same result has been frequent in Sacramento among horses though we have not heard of any deaths among the latter in Napa. It is thought there that certain kinds of food was the cause, yet horses have been known to drop dead, miles from any stable, while traveling on the road.

It should be known that a small quantity of vinegar will generally destroy immediately any insect that may find its way into the stomach; and a little salad oil will kill any insect that may enter the ear.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbet Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

Enlarged.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle*.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the Mining and Scientific Press, from January 1st to July 1st, can be procured on application to the office.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.
DEWEY & CO., Publishers.
Office, 57 Government House, corner Washington and San some streets, San Francisco.

A GREAT INDUSTRIAL FAIR!
—TO BE—
Opened in San Francisco,
—ON THE—
30TH OF AUGUST, 1864.

The Mechanics' Institute of San Francisco are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and put forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be so considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill. The successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their quantities and merits.

Each age and country has new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test both the practical merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charges, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE.
H. D. DUNN,	P. B. DEXTER.
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. SPEGER,
E. N. TORRY,	W. H. BRYAN,
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

MECHANICS' INSTITUTE.
INDUSTRIAL EXHIBITION, '64.
NOTICE TO EXHIBITORS,

The Executive Committee will be prepared at the Pavilion, on Union Square, to receive Goods intended for Exhibition on the Twenty-Second of August, and none will be admitted after the 31st of August.
By order of the Committee.
C. B. PORTER.

THE WORLD'S HORSE FAIR!
AT SAN FRANCISCO,
—AND—
Ladies' and Gentlemen's
Equestrienne Exhibition!

THIS GRAND EXHIBITION WILL be held at the BAY VIEW PARK, commencing September Second and continuing until the Eleventh, during which time the Mechanics' Fair will also be in progress—the Great Pavilion of which will be open every evening—so that persons from a distance can attend both Fairs during their visit to the City. For particulars and Premium List see large posters and California Spirit of the Times.
BEN. E. HARRIS, Secretary.
7-td

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs, Wallace, Allen & Hardyngo. Terms of subscription: One year, by mail, $10; six months, $6. It contains the Latest Mining, Commercial, and General News up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable strangers to bring their notices before the Public.
W. H. TOBEY,
Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the Mining and Scientific Press. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

SAN FRANCISCO FOUNDRY
And Machine Works,
Corner Fremont and Mission streets,
SAN FRANCISCO.

All kinds of Machinery made to order on the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.
☞ Steam Engines constantly on hand.
Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.
☞ REPAIRING promptly attended to.
DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

Every description of Iron and Brass Machinery, the **Best and Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
W. HOWLAND, ANGEL & KING.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.
Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battory. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.
Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v3 THOMAS SCOTT & CO.,

D. B. HINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

The undersigned proprietors are prepared to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

JOHN P. GALLAGHER..... JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

Church and Steamboat Bells, of all sizes, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] j2tf

Vulcan Iron Works Company.
P. TORQUET, Manager.
Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,
Pumping, Hoisting, Mining and Quartz-Crushing machinery. Shoes and dies of the hardest Iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Jonval and other Turbine Water Wheels with latest improvements.
No. 187 & 139 First Street San Francisco. tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
The only exclusively boiler making Establishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission,
OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.
Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

It will save each season many times its cost in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this Valuable Improvement, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

J. R. GRUSH, J. A. PEER, W. BUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ Scroll Sawing Done to Order. ☜
Fremont St., between Market and Mission, San Francisco.
3-3m

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.

It is adapted to high heads or low—it is not liable to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address
SMITH & HANSCOM,
15v3-3m Golden State Iron Works, San Francisco.

CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.
We offer a Splendid Assortment of the above goods at the
LOWEST RATES.
HAYNES & LAWTON,
516 and 518 Sansome st., cor. Merchant, San Francisco.
13m

Coal Creek Coal Mining Company.
Located near Geyserville, Sonoma County, California, containing 320 acres.
CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.
Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco
A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer
TRUSTEES:
JOHN J. HUCKS,.....San Francisco.
GEO. H. BAKER,.....San Francisco.
P. T. ARCHAMBOU,.....Geyserville.
19-3m

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filing out Assessment Notices and Delinquent Sales, supplied free to advertisers in the Mining and Scientific Press on application at the office.

New Volume.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent*.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feclit our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Suudays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two wecks previous to the day of sale, the first publication in the weekly bcing at least fourteen days prior to the day of sale.

By the above extract it will be clearly scen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Lost!

Certificate No. 191, of 150 shares, of the Tablo Mountain Copper Mining Company's Stock, standing in the name of N. B. Edmiston. All persons nre cautioned against negotiating for the same, as transfer has been stopped.

M. G. ELMORE, Secretary,
San Francisco, August 25, 1864. [9] T. M. Cop. M. Co.

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING
At less than half the cost of tin roofs.

READY ROOFING
More durable than Tin.

READY ROOFING
Suitable for steep or flat roofs.

READY ROOFING
For all kinds of buildings, in all climates.

READY ROOFING
Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 foot long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.
Much cheaper and more durable thau oil paiat. Also,

Compound Cement,
For Leaky Shingle Roofs,
Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6-tf 73 Maiden Lane, N. Y.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood-work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. E. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that Iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use.

Respectfully yours,
JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

6-tf

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultation and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or incorrect decision. Against none of these contingencies does the Preliminary Examination previde; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Cavent is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a cavent is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the cavent, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the cavcat system—the expense under the law being comparatively small.

To enable us to prepare cnveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States, upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further ngency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons prescnted to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications filed in our office, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the nventor should be engraved or painted in it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: Dewey & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first instillment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be prescuted to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, paints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso rellevo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 y'rs and 5 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injine tion from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionato to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market: Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Feltsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Falcomt, Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Insects; Old Without Knowing it; Eating when Sick; Weather and Health; Efficacy of Onions—Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skilful Coking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

THE MINING AND SCIENTIFIC PRESS is published every Saturday morning. Each number contains SIXTEEN PAGES of SIXTY-FOUR columns. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair

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To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

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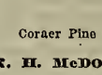

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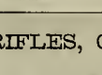

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REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. C. Mills, Sacramento. 1tf

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San Francisco, May 10th, 1864. 20

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QUARTZ BREAKER

Is now extensively used for breaking hard masses of

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to a size suitable for stamps. These machines are patented, and are in practical operation in

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1-3m

Disney's Cylinder Amalgamator,

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DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to any thing now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

se[21

Hepburn & Peterson's

AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the talneral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zophyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS, NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 14v8-tf

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK GOLD AND SILVER ORES in large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merits of rock.

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O. C. JONES, Amalgamator.

San Francisco, Oct. 13, 1863. j2tf

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—OF—

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Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

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Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

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DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume,

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

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Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

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For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

And, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices herein before provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

New this Week.

Great Western Gold and Silver Mining Company, Keyes District, Mono County, California.

Notice is hereby given that at a meeting of the Board of Trustees said Company, held on the 19th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

BROCK JOHNSON, Secretary.

Office, No. 28 Government House, San Francisco. 9-4t

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary, at the office of the company, or to PETER BROWN, Silver City, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay street, San Francisco. 9-4t

Citizens' Coal Mining Company, Mount Diablo District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of August, 1864, an assessment, (No. 9,) of Five Dollars per each and every assessable share upon the capital stock of said Company was levied, payable immediately in United States gold coin, at the office, corner Post and Dupont streets, in San Francisco, to the Secretary of the company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent without further notice, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. [9-4t] E. J. PFEIFFER, Secretary.

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of August, 1864, an assessment (No. 8) of twelve and a half (12½) cents per share was levied upon the capital stock of said company payable immediately, to the Secretary at his office, No. 338 Montgomery street, San Francisco, in United States gold coin.

Any stock upon which said assessment shall remain unpaid on the 26th day of September, 1864, will be advertised as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 10th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

J. A. BAWSON, Secretary.

Office, No. 338 Montgomery street, August 24, 1864. [9-4t

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of August, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 29th day of August, 1864, in United States Coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday the 1st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 29th day of August, 1864, in United States coin, to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an assessment of ten (10) cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 5th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

OEO. W. CILDERSLEEVE, Secretary.

Office, 607 Market street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 27th, 1864, and the sale thereof is postponed until September 12th, 1864. By order of the Board of Trustees.

8 CEO. W. CILDERSLEEVE, Secretary.

The advertisement of stock delinquent, on the above assessment, is postponed until September 3d, 1864, and the sale thereof is postponed until September 19th, 1864. By order of Board of Trustees.

9-1t CEO. W. CILDERSLEEVE, Secretary.

Mining Notices.

Astor Gold and Silver Mining Company, Gold Hill Mining District, Storey County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 10th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, No. 436 Jackson street, or to E. A. HYDE, Superintendent, Gold Hill.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

EDWARD C. LGVELL, Secretary.

Office, 436 Jackson street, San Francisco. 7-4t

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent upon the followlug described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Samuel White	2	10	$10
P H Mulford	3	5	5
P H Mulford	4	5	5
J Fillebrown	8	32	32
J Fillebrown	28	18	18
J I Bliven	29	5	5
J I Bliven	31	5	5
D C Eaton	33	20	20
D C Eaton	36	5	5
D C Eaton	37	5	5
D C Eaton	38	3	3
G W Roborts	47	5	5
P Decker	48	50	50
H Beach	49	50	50
H Beach	50	35	35
I K Wbite	51	10	1
R Barney	52	1	1
R Barney	53	9	9
J S Scott	74	5	5
J S Scott	78	5	5
J S Scott	79	5	5
J S Scott	102	5	5
Wm B Marshall	85	10	10
Geo W Chapin	116	100	100
Geo W Chapin	117	100	100
Geo W Chapin	118	50	50
Geo W Chapin	119	25	25
Geo W Chapin	120	10	10
Geo W Chapin	123	383	383
Thomas N Parker	121	25	25
E P Fish	122	25	25

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 623, Montgomery street, San Francisco, California, on Saturday the 27th day of August, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 7

Augusta Gold and Silver Mining Company, Augusta District, Lander County, N. T. Office, 406 Front street, city and county of San Francisco.

There are delinquent, upon the following described Stock on account of assessments levied on the 2d day of November, 1863, and the 9th day of March, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C E Black, 1 ass't	71	50	6 25
Wm Francy, 1 ass't	74	100	12 50
O A F Clibert, 2 ass'ts not issued		50	12 50
J G Hughes, 2 ass'ts	64 65 66	250	62 50
F S Lovejoy, 2 ass'ts unissued		450	112 50
Ed Muller, 1 ass't	19 20 21 22 23 24	62½	7 81
C B O'Bannon, 2 ass'ts unissued		550	137 50
A H Parker, 1 ass't	18	25	3 13
I J Rolfe, 1 ass't	27	6½	81
G W Welch, 1 ass't	32	25	3 13

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of June, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middletou & Son, No. 400 Montgomery street, San Frannisco, on the 31st day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. L. O. DGDGE, Secretary

5-4t

Caldwell Gold and Silver Mining Company, Cove District, Kern River, Tulare County, California.

Kern River Gold and Silver Mining Company, Cove District, Tulare County, California.

The office and principal place of business of the above named Companies, will be removed from the City of San Francisco to Cove District, Tulare County, California, after the necessary legal steps are perfected.

M. G. ELMGRE, Secretary.

Office, 521 Clay street.

San Francisco, August 12, 1864. 7-5t

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Bartlett, B L	141 142-ea 50	100	$20 00
Baker, S D	181 to 186-ea 5		
	187 188-ea 10		
	189-25 abs	75	15 00
	164	1	20
Flanders, D P	163 169-ea 5	10	2 00
Hoag, C W	162	1	20
Lemmon, J W	172	25	5 00
Mahood, J A	173	10	2 00
Robbins, J	170	10	2 00
Scott, J W	112 113 114-ea 25		
	119 to 122-ea 25		
	150 to 156-ea 10		
	180-15 abs	250	55 00
Simpsou, J L	161	1	20
Triune Mining Co.	109 110-ea 100		
	161-82 abs	282	56 40
Tuttle, W N	131 132 133-ea 25	75	15 00
Feild, V	174	10	2 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

JOHN J. SCGTCHLER, Secretary.

Office, 204 Front street, San Francisco. 7

Dane Gold and Silver Mining Company, Esmeralda.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 5, levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Shares.	Amount.
John S Mayhugh	87	$87
D C Crocker	5	5
W F Atwood	208	208
Jesse Richardson	10	10
James Hutchens	15	15
Jas H Deering	75	75
M L Citrour	10	10
F J Barber	10	10
Adam Ross	10	10
Mrs H C Bull	5	5
W H Forbes	10	10
Jas J Robbins	123	123
W H Hamden	10	10
Larkin Smith	45	45

And in accordance with law, and an order of the Board of Trustees made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold public at auction, at the office of the Company, No. 623 Montgomery street, on the 20th day of August, 1864, at the hour of 12 o'clock A., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD CGNNER, Secretary.

Office, 623 Montgomery Street. 7

POSTPONEMENT.—The above sale is postponed until Tuesday, August 30th, 1864, at the same place and hour. By order of the Board of Trustees.

7 EDWARD CGNNER, Secretary.

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of June, 1864, an Assessment of Two Dollars per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, 708 Montgomery street, city and county of San Francisco.

Notice is hereby given that at a meeting of the Board of Trustees of said company on the 9th day of August, 1864, the Secretary was directed, on account of error in previous notice, to readvertise the above assessment, payable to the Secretary, at the present office of the company, No. 702 Washington street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

G. PARDOW, Secretary.

Office, northwest corner Washington and Kearny streets, San Francisco. 7-4t

Eureka Mill and Mining Company, Big Creek District, Lander County, N. T.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 8th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
D Reese	1	20	$63 00
D Reese	2	20	63 00
B Reese	3	22½	70 87
D E Buel	16	125	196 87

And in accordance with law, and an order of the Board of Trustees, made on the 12th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by John Middleton & Son, on the 27th day of August, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 208, California Street, San Francisco. 7

Fairview Copper Mining Company, Calaveras County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. WILMGT, Secretary.

Office, 637 Washington street, San Francisco. 6-5t

Fortuna Gold and Silver Mining Company, Reese River District, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 7th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
I J Rolfe,	10	10	$10 00
I J Rolfe,	11	10	10 00
I J Rolfe,	12	5	5 00
J B Richmond,	50	20	20 00
Sol Lewis,	52	75	75 00

And in accordance with law and an order of the Board of Trustees, so many shares of each parcel of said stock as may be necessary, will be sold at the office of Messrs. Goldsmith Bros., 422 Montgomery street, on the 29th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale. JGHN DUNN, Secretary.

Office, 723 Montgomery street, San Francisco. 6-4t

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of May, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company; and that at a meeting of the Board of Trustees of said company, held on the 6th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United States gold coin, to the Secretary of said company, at the office of said company, No. 433 Montgomery street, in the city and county of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

EM. FENARD, Secretary.

Office, No. 433 Montgomery street, in the city and county of San Francisco, 7-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 1st day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States coin, to the Secretary, at the office of the company.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay Street, San Francisco. 6-4t

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pais District, Marin County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Merriman	58 59 60 215	160	16 00
Aug Huenert	120 123 124 125 126 127 128 130 131	120	12 00
M Rosenbaum	171 172 173 174 175	100	10 00
Wm Bailey	141	20	2 00
Harrison Jones	218	20	2 00
A C Teitman	219	100	10 00
A Traube	223	10	1 00
Ferdinand Lochr	229	255	26 50
Herrman Kutscher	232 233 234 235	200	20 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, No. 622 Montgomery street, on Monday the 5th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale. B. RGTHSCHILD, Secretary.

Office, 622 Montgomery street.

San Francisco, August 20, 1864. 8

Holcombe Gold and Silver Mining Company, Reese River District, Lauder County, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and the by-laws of this company, there will be sold at public auction for cash in United States gold coin, on Monday, September 5th, 1864, at 11 o'clock A. M., of that day, by Cobb & Sinton, 406 Montgomery street, San Francisco, so many shares of the capital stock, standing in the names of the following persons, as will be necessary for the payment of assessment No. 1, duly levied January 8th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
S E Kller,	19 20 21 22 23 24 25	100	$100 00
John Rosseter,	26 27 28 29	50	50 00
A J Hendricks	36 37 38 39 40	100	100 00

By order of the Board of Trustees.

JGHN A. LEDDEN, Secretary.

Office, 623 Washington street, San Francisco. 6

Honest Miner No. 2 Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of 62½ cents per share was levied upon the capital stock of said company, payable on the 5th day of August, 1864, in United States gold coin, to the Secretary, or to EDWARD MULLER, Austin, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of Board of Trustees. JOHN DUNN, Secretary.

Office, 723 Montgomery Street, Room No. 4, San Francisco. 6-4t

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory. Office, No. 623 Clay street, San Francisco, California, July 23d, 1864.

Notice is hereby given that in accordance with an order duly made by the Board of Trustees of the Illinois Gold and Silver Mining Company, there will be sold at public auction by Jerome Rice and Co., at their salesroom, No. 327 Montgomery street, San Francisco, on Monday, August 29th, 1864, at 12 o'clock M., to the highest bidder for cash, in gold coin, so many shares of the Capital Stock of the said company, standing in the names of the hereinafter mentioned stockholders, as will be necessary to pay all assessments now delinquent thereon, together with costs of advertising, and all accruing charges, unless previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
Morgan Richards,	9	100	$100 00
Thomas Waters,	65	83	hal 62 00
N T Carpenter,	54	10	10 00
C L Johnson,	67 68	15	15 00
John Jones,	92	101	101 00

By order of the Board of Trustees.

5-5t B. W. MUDGE, Secretary.

La Libertad Gold and Silver Mining Company, Cachachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollar per share, was levied upon the Capital Stock of said company, payable in three (3) equal installments of 33⅓ cents each; the first payable on the 27th day of July, 1864, in United States gold coin, to the Secretary, and the balance in every fifteen days thereafter.

Any stock upon which said assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 17th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the board of Trustees. WILLIAM VALE, Secretary.

Office, 55 & 56 Exchange Building, northwest corner of Montgomery and Washington streets, San Francisco, 6-4t

Important to Californians.—Many inventors lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

La Travlata Gold and Silver Mining Company, Calaveras County, California.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 12th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L Reupsch	13 14	17	$8 50
C D Taylor	27	35	17 50
M Crecnthal	73	9	4 50
A Stolz	35	17	8 50
S Cohen	42 63	48	24 00
J Rebensburger	82 51	52	70	85 00
C J Steveus	56	57	10	5 00
M Weill	90	57	42 75
E Newmann	68 70	122	61 00
S Langstattor	71	18	0 00
L Blumeutbal	70	5	2 50
Abrahams & Bro	78	4	2 00
J A Obergh	87	10	5 00
Geo Haxe	02	70	35 00
R Cisar	95	13	9 75
Mrs White	105	5	2 50
J Mibicle	93	30	15 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on the 21st day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 8-1

Mosquito Quartz Mining Company, Mosquito Cnich, Calaveras County.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 10th day of May, 1864, an assessment of five dollars per share was levied upon the capital stock of said company, and that at a meeting of the Board of Trustees of said company, held on the 9th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary of said company, at the office of said Company, No. 433 Montgomery street, in the city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 26th day of September, 1864, to pay the delinquent assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, No. 433 Montgomery street, in the city and county of San Francisco. 7 4t

Mt. Zion Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 9th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Paul Shirley	160	100	$100
Paul Shirley	161	25	25
Paul Shirley	162	25	25
Paul Shirley	163	25	25
Paul Shirley	164	25	25
J M Goodall	181	10	10
J M Goodall	182	10	10
J M Goodall	183	10	10
J M Goodall	184	10	10
J M Goodell	185	10	10
S J Bennett	144	25	25
S J Bennett	145	50	50
Richard Brainard	47	25	25
Richard Brainard	215	25	25
Richard Brainard	216	0	9
Richard Brainard	246	25	25
Richard Brainard	316	50	50
R A Sandford	136	2	2
H Michaels	168	8	8
H Michaels	175	5	5
Julius Fink	321	130	130
G M Dexter	80	25	25
G M Dexter	304	25	25
J G Tilton	84	10	10
J G Tilton	195	5	5
J G Tilton	196	5	5
J G Tilton	151	50	50
Perry Cram	299	75	75
J V Lyons	325	25	25
David Hufford	332	12	12
M H Hunter	33	25	25
M H Hunter	34	50	50
M H Hunter	35	50	50
M H Hunter	36	50	50
E Shannon	320	10	10
R Hall	265	300	300
C Wilhelm	48	10	10
C Wilhelm	240	20	20
C Wilhelm	245	5	5
C F Rundlett	117	13	13
C Buckman	159	8	8
C Buckman	241	10	10
C Buckman	263	10	10
B F Sterrett	259	50	50
Miss A Lewis	204	5	5
H P Penniman	not issued	75	75
J J Scotchler	250	10	10
J J Scotchler	251	10	10
J J Scotchler	252	5	5

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. G. WGOD, Secretary.

Office, 240 Montgomery street, southeast corner of Pine street, San Francisco. 7

Oxford Beta Tannel and Mining Company, Silver Hill, Esmeralda District, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 11th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
F D Everts	168	10	$5 00
Sidney Lemon	159	15	7 50
H Montfort,	162	5	2 50
S F Wallace	174	10	5 00
F McConnell	175	10	5 00
Thos Dunn	181	5	2 50
Thos Dunn	182	5	2 50
M F Clayton	178	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 31st day of August, 1864, at 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco. 7

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1-3	$100
Wm Faulkner		13 1-3	40
J H Welch	130	20 2-3	80
Estate of J J Todd	10	16 2-3	50
C A Parriuten	11	10 2-3	56
A R Wheat	14	16 2-3	50
G W Botts	142	8 1-3	25
G B Lillie	159	14 2-3	44
R C Jacobs	82, 157	39 1-3	119
J J Corrigan	133	31	93
J F Dorland	89	8 1-3	25
F G Norman	92, 170	14 2-3	44
Chas E Brownell	118, 139, 110	15 2-3	47
Almeus Sammis	35	3	9
Miss M A Phillips	54, 55, 60, 66, 67, 68	33 1-3	100
J C Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2-3	50
Elson Sammis	87, 111	24 1-3	73
Miss Taylor		8 1-3	25
Mrs H A R Carter	155	3 1-2	10
David Rose	80	0 2-3	20
Edgar Wakeman	84	6 1-3	25
J D Thompson	152	25	75
W J Leland	86, 94	5 1-2	10
A J Ralston	85, 93	7 1-2	22 50
Gilbert Palache	90, 100, 115	29 2-3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 115	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
E H Mathews	132, 172	3	9
Caroline Smith	149	1	3
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	0
O F Tibbetts	130	8 1-3	25
S C Peck	128	4 1-6	12 50
Wm Crocker	87	8 1-3	25
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tibbets	129	4 1-0	12 50
Oran Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
John Field	158	2	6
Hugh M Corriston	109	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
H K Curtiss	171	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Queen of Antilles Consolidated Gold and Silver Mining and Tunnel Company, Reese River, Lander county, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 1, levied on the 9th of January, 1861, of five cents per share; No. 2, twenty-five cents per share, levied on the 30th of March, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Reamer,	22 to 31	00	$22 50
Miron Pixley,	59 to 87	00	22 50
J Davis,	91 to 98	81	20 25
J W Denison,	37 to 48	75	18 75
P J Nolan,	97 to 99	45	13 50
C F Myers,	100 to 119	263	78 90
B Littlefield,	120 to 139	271	81 30
G Ritchell,		90	27 00
H Harps,	100, 140 to 158	250	75 00
J L Snyder,	158 to 163	00	27 00
Geo Bertle,	5, 7, 8, 10, 11, 12	61	15 25
C McElvy,	53, 54, 55	67	10 75
W H Read,	50, 57, 58	45	11 25
Geo Keys	173 to 189	247	73 00
T Green,	89, 90	90	22 50
J P Boyce.	73	9	2 70
J C Triblehone,	22	20	5 00
C K Helfrich,	20, 21	10	2 50
J H Long,	32	10	2 50
W P Winham,	34	10	2 50
J G Denison,	35	6	1 50
G R Baker,	4	3	75
S S Hussey,	14	5	1 25
R A Frazer	15	3	75
T W Hollingshead,	68, 69 70	40	10 00
W H Estus,	71 to 74	25	8 25
J Stotla,	75 to 77, 79, 82, to 84	86, 88	107	26 75
T C Wales, Jr.	51, 52	25	6 25
J M Denison,	38	50	12 50

And in accordance with law and an order of the Board of Trustees made on the 29th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction for United States coin, at the Office of the Company, on the 2d day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

G. B. LARRABEE, Secretary.

5-4t Office, 528 Clay street, San Francisco, Cal.

Rose Matilda Mining Company, Charter Oak Mining Company, North Star Mining Company, Diamond Mining Company, Santa Catalina Island, California.

NOTICE.—There are delinquent, upon the following described stock, on account of Assessment levied on the 9th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

ROSE MATILDA MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
J S Butters	1 2 3-ea 10		$3
J S Butters	4	50	5
J S Butters	5 6-ea 25		5
J S Butters	7	6	80
C F Briggs	40	88	6 80
E H Baxter	81 82-ea 10		2
E H Baxter	80	6	60
E H Baxter	63	25	2 50
S Boushey	100	30	3
P J Barber	104	11	1 10
Jas J Carter	84 85-ea 50		10
Wm Chapman	86	60	5
De[illegible]	92	5	50
P C Gayetty	[illegible]	6	60
— Haynes	45	[illegible]	2 50
P Ide	75	25	12 50
A Jurgens	115	63	6 80
Sarah A Keat	70	6	60
— Moran	46	25	2 50
J D Nichols	not issued	81	6 10
L F Powell	12	5	50
L F Powell	14	20	2
C Rowe	114	06	6 60
Geo Williams	69	15	1 50
C L Place	not issued	130	13 60

CHARTER OAK MINING COMPANY.

J S Butters	1 2 3 4-ea 10		4
J S Butters	5 6-ea 25		5
J S Butters	7	0	60
C F Briggs	32	48	4 80
E H Baxter	66	4	40
S Boushey	84	20	2
P J Barber	88	11	1 10
Jas J Carter	69	100	10
Wm Chapman	70	10	1
D E Dickerson	86	5	50
P C Gayetty	01	26	2 60
P Ide	81	01	0 10
A Jurgens	100	48	4 80
J D Nichols	25	86	8 60
J D Nichols	not issued	10	1
C Rowe	00	48	4 80
Geo Williams	73	15	1 50
C L Place	not issued	90	0 00
J M Page	94	25	2 50
Nancy Hicks	77	50	5

NORTH STAR MINING COMPANY.

J S Butters	1 2 3 4-ea 10		4
J S Butters	5	50	5
J S Butters	6 7-ea 25		5
J S Butters	8	4	40
C F Briggs	39	72	7 20
E H Baxter	79	0	00
E H Baxter	80 81-ea 10		2
E H Baxter	82	20	2
S Boushey	99	30	3
P J Barber	100	25	2 50
Jas J Carter	80	100	10
Wm Chapman	85 86-ea 10		2
P C Gayetty	104	64	0 40
A Jurgens	112	72	7 20
Sarah A Kent	69	6	00
J D Nichols	29	144	14 40
C Rowe	111	72	7 20
Geo Williams	89	15	1 50
C L Place	not issued	144	14 40

DIAMOND MINING COMPANY.

J S Butters	1 2 3-ea 10		3
J S Butters	4 5-ea 25		5
J S Butters	6	6	80
C F Briggs	29	44	4 40
E H Baxter	61 62-ea 16		2
S Boushey	76	20	2
P J Barber	77	13	1 30
Jas J Carter	63	100	10
P C Gayetty	80	18	1 80
A Jurgens	88	44	4 40
J D Nichols	22	88	8 80
C Rowe	87	44	4 40
Geo Williams	80	15	1 50
C L Place	not issued	88	8 80

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Secretary, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary

Office 240 Montgomery street, S. E. corner Pine.

Santa Maria Silver Mining Company, Belle Silver Mining Company, Imperatrice Silver Mining Company, Maryland Silver Mining Company. Location, Santa Fe District, Lander county, N. T.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 23d, 24th and 25th days of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SANTA MARIA S. M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
H B Underhill,	Cert No. 1, 2, 3 25 shares each	75	$37 50
G R Oboate,	Cert. 4, 5 25 shares each	50	25 00
J H Huston,	Cert 0, 7, 9, 10 No Shares 20, 20, 20, 20 cert 13, 14, 15, 17, 20, 23, 24 shs 10, 10, 10, 10, 5, 5	140	70 00
John D Moore,	Cert from 31 to 35 inc 20 shares each	100	50 00
John D Moore,	Cert from 38 to 45 inc 10 shares each	100	50 00
John D Moore,	Cert from 46 to 55 inc 5 shares each	50	25 00
O B Westcott,	Cer 58, 10 shs & 57, 5 shs	15	7 50
R Porterfield,	Cer 85	10	5 00
M I Ryan,	Cert 79, 84, 85 10 shares each	30	15 00

BELLE SILVER M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 6 No. Shares 20, 20, 20, 20, 10 cert 7, 8, 9, 13, 22, 25 shs 10, 10, 10, 10, 5, 5	140	$70 00
John D Moore.	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 37 inc & 39, 40, 10 shares each	00	45 00
John D Moore,	Cert from 41 to 45 inc 5 shares each	50	25 00
H B Underhill,	Cert No. 55	12	6 00
Geo R Choate,	Cert No. 58	13	6 50
O B Westcott,	Cert No. 58, 10 shs & No. 59, 5 shares	15	7 50
M I Ryan,	Cert 80, 83, 84, 85 No. Shares 50, 25, 25, 25	125	62 50

IMPERATRICE S. M. CO. (Asst levied Feb. 24, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 5 No. Shares 20, 20, 20, 20, 20 cert 7, 9, 15, 17, 18 shs 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 40 inc 10 shares each	100	50 00
John D Moore,	Cert from 41 to 50 inc 5 shares each	50	25 00
H B Underhill,	Cert 51	13	6 50
Geo R Choate,	Cert 52	12	6 00
Robert Steer,	Cert 82	10	5 00
M I Ryan,	Cert 89	25	12 50

MARYLAND S. M. CO. (Asst. levied Feb. 25, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 8, 9, No. Shares 20, 20, 20, 20, 10 cert 13, 14, 19, 21, 22, 23, 24, 28 shs 10, 10, 5, 5, 5, 5, 5, 5	140	$70 00
John D Moore,	Cert from 29 to 33 20 shares each	100	50 00
John D Moore,	Cert from 34 to 43 10 shares each	100	50 00
John D Moore,	Cert from 44 to 53 5 shares each	50	25 00
O B Westcott,	No. 59, 10 shares & 60 5 shares	15	7 50
M I Ryan,	No. 67	50	25 00
H P Haudy,	Cer 70, 71, 73, 74, 75 No Shares 25, 25, 25, 15, 15 cert 76, 77, 76, 79 shs 5, 5, 5, 5	125	62 50

And in accordance with law and an order of the Board of Trustees made on the aforesaid dates, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Companies, 305 Montgomery street, San Francisco, on Thursday, the 15th day of Sept. 1864, at 11 o'clock, A. M. of said day, to pay said delinquent assessments thereon, together with the cost of advertising and expenses of sale.

San Francisco, Aug. 6th, 1864. J. S. LUTY, Sec'y.

7-4t Office, 305 Montgomery Street.

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

Notice is hereby given, that at a Meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable on the 6th day of August, 1864, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. A. RUST, Secretary.

Office, 212 California street, San Francisco. 6-4t

Stennbont Silver Mining Company, Sierra District, Humboldt County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable on the 5th day of August, 1864, in United States gold coin to the Secretary, at the office of the Company, or to JAS. T. MACLEAN, Superintendent at the mines.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. S. O. PUTNAM, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 7-4t

Salamander Gold and Silver Mining Company, Mill Valley District, Calaveras County, State of California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of ten cents per share was levied upon the assessable capital stock of said Company, one-half payable on the 16th day of August, 1864, in United States coin, to the Secretary of said company, and the balance payable in thirty days from said 16th day of August.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 4th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. D. OALLAOHER, Secretary.

Office, No. 35 Metropolitan Block. 8-4t

San Francisco Moss Ledge Company, San Francisco District, A. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 16th day of August, 1864, in United States Coin, to the Secretary, at his office, No. 618 Merchant street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

ROBT. T. POLK, Secretary.

Office, No. 518 Merchant street. 8-4t

Silver Mountain Mining District, California. Annual Meetings.

Mammoth Gold and Silver Mining Co.,		September 9, 1864.	
Napa	do	do	do 12, 1864.
Sierra Nevada	do	do	do 12, 1864.
Baltimore	do	do	do 16, 1864.
Wisconsin	do	do	do 17, 1864.
Eldorado	do	do	do 16, 1864.
George Washington No. 2		do	November 17, 1864.
Silver Creek Gold and Silver Mining Co.,		September 17, 1864.	
Tip Top	do	do	do 17, 1864.
George Washington		do	do 17, 1864
Illinois	do	do	do 19, 1864.
Silver Prize	do	do	do 20, 1864.
Silver Prize No. 2		do	October 7, 1864.

The above Mining Companies will hold their Annual Meetings, on the days above named, at No. 430 Montgomery street, San Francisco, for the purpose of electing Trustees for the ensuing year.

8-2t J. WARREN CLARK, Secretary.

Tellurium Gold and Silver Mining Company, Pine Crove District, Amador County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment No. 7, levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atkinson, Nathan	245	100	$100 00
Boylan, Joseph	26 to 80 inc-ea 20 shs	100	100 00
Bufford, J L	unissued	25	25 00
Boole, Mrs Anna	176	2	2 00
Bowen, C F	207	10	10 00
Bowen, C F	225	5	5 00
Chevallier, V	113	5	5 00
Collins, E S	232	10	10 00
Dow, J G	254	5	5 00
Dulip, J P	15	10	10 00
Dyer, W D	49 50-ea 5	10	10 00
Hall, J H	79 80-ea 50	100	100 00
Fiuance, A	105	10	10 00
Gay, A C	250	53	53 00
Geiger, John G	258	6	6 00
Hughes, Chas	134	5	5 00
Kendall, S	183 184-ea 5	10	10 00
Kendall, S	190 192-ea 5	10	10 00
Marina, E J de Sta	214 to 217 inc-ea 10	40	40 00
Marina, E J de Sta	218 219-ea 5	10	10 00
Matthieu, A	138	10	10 00
Marguerlero G	159	10	10 00
Morris, Josiah,	269	162	182 00
Martinon, L M de	166	20	20 00
Rice, A W	78 77-ea 5	10	10 00
Richards, Jas R	260	85	85 00
Smiley, James	96	50	50 00
Thomet, N	266	10	10 00
Whitney, Geo O	204	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, on the 27th day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. H. MARTIN, Secretary.

Office, 527 Clay street, San Francisco, Cal. 7

POSTPONEMENT.—The above sale is postponed until Wednesday, September 7th, 1864, at the same hour and place. By order of the Board of Trustees.

9 WM. H. MARTIN, Secretary.

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 15th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T B Deffebach	20	200	$50 00
George Gibbons	17	200	50 00
George Gibbons	not delivered	100	25 00
W J Woodley	14	25	6 25
W J Woodley	15	25	6 25
W J Woodley	not delivered	100	25 00
G A Vanzeckel	not delivered	450	112 50
Noble Lovely	not delivered	150	37 50
Capt N Haynes	not delivered	200	50 00
H Lovely	5	25	6 25
Geo E Davis	8	50	12 50
A J Chase	6	50	12 50
B G St. John	7	25	6 25
D C Breed	9	50	12 50
M D Gardner	10	100	25 00
E J Christian	not delivered	50	12 50
John S Butler	34	20	5 00
Charles W Pool	27	20	5 00
Charles W Pool	33	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 15th day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at Public Auction, at the office of the Secretary of said Company on the 3d day of September, 1864, at the hour of 10 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale

S. O. GARDNER, Secretary,

Office, 605 Sacramento Street, San Francisco. 6

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Brooks, A	18	50	10
Carrier, R A	45	8	1
Felton, H T 20 21 81	82 121-ea 10 shs	16	20
Geddis, Wm H	85 86-ea 50 shs	20	
Geddis, Wm H	87 88-ea 25 shs	10	
Hansen, C	96	50	10
Holbrook, B F	31	15	3
Klein, S	29	10	2
Klolu, S	30	5	1
Linsley, E W	103 104-ea 50 shs	20	
Linsley, E W	105 106-ea 20 shs	6	
Linsley, E W	110 107 108-ea 10 shs	6	
Linsley, E W	111	11	2 20
Otis, Stephen	39	150	30
Otis, Stephen	74	150	30
Otis, Stephen	84	40	8
Paine, H G	97	28	5 60
Rawson, J A	27	10	2
Rawson, J A	47	5	1
Shaw, E H	23 24-ea 10 shs	4	
Shaw, E H	25	5	1
Turner, W J	54	26	5 20
Davenport, A C	91	25	5
Davenport, A C	92	13	2 80
Demill, E G	94	12	2 40
Demill, E G	93	25	5
Logan, James	87	150	30

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of July, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 621 Clay street, San Francisco, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

M. O. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 7

Well Partridge Mining Company, Weaver District, Weaver's Placer Diggings, Arizona Territory.

Notice.—There are delinquent, upon the following described stock (of said company), on account of assessment No. 1, levied on the 6th day of January, and assessment No. 2, levied on the 8th day of February, 1864, the several amounts set opposite the names of the respective shareholders as follows, viz:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Asquith,	ass't 1 & 2 not issued	15	$3 75
Wm Asquith,	do do	45	11 25
H Beunison,	ass't 2	26	50 6 25
H Benuison,	do	27	50 6 25
H Benuison,	do	28	25 3 12
H Bennison,	do	20	25 8 12
Hugh Carlan,	do	45	10 1 25
E Draddy,	do	3	5 62
W B Gereau,	do	62	20 2 50
W B Gereau,	do	63	20 2 50
W B Gereau,	do	64	20 2 50
W B Gereau,	do	85	20 2 50
W B Gereau,	do	67	20 2 50
W B Gereau,	do	68	20 2 50
W B Gereau,	do	69	10 1 25
Wm Hunt,	ass't 1 & 2	16	10 2 50
D B Harrison,	do 2	80	75 11 25
Benj Lewis,	do 1 & 2 not issued	45	11 25
C A Lloyd.	do 2	81	25 3 12
T E Marchant,	do 1 & 2 not issued	65	16 25
T E Marchant,	do do	25	6 25
Wm McGowan,	do	14	10 2 50
Wm Watson McGowan assessments 1 & 2		15	16 2 50

And in accordance with law, and an order of the Board of Trustees of said Well Partridge Mining Company, made on the 15th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, to the highest bidder for cash (in United States Gold and Silver Coin), at the salesroom of Messrs. Jerome Rice & Co., No. 327 Montgomery street, San Francisco, State of California, on Saturday the 27th day of August, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of sale. MARSHALL WINN, Secretary.

Office, No. 430 Montgomery street, Room No. 5, up stairs, San Francisco, California. 5-4t

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 621 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 3d day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. O. ELMORE, Secretary.

Office 621 Clay street, San Francisco. 6-4t

New This Week.

Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 18th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Brown, Smith	169	50	$250
Brown, Smith	189	50	250
Cummins, Wm	151	100	500
Cummins, Wm	152	39	195
Cummins, Wm	153	10	50
Cummins, Wm	154	5	25
Cummins, Wm	150	5	25
Cummins, Wm	160	5	25
Elliot, Chas	74	5	25
Frost, F F	119	5	25
For, John	155	20	100
Freanor, John A	190	50	250
Harding, John	45	20	100
Harding, John	46	5	25
Hutchinson, S	191	10	50
Hutchinson, S	192	10	50
Hutchinson, S	193	10	50
Hutchinson, S	194	10	50
Hutchinson, S	195	10	50
James, Wallace T	95	10	50
James, John	156	20	100
James, John	175	10	50
James John	176	10	50
Kimball, E A	131	20	100
Leonord, M A	108	5	25
Lewis, Geo W	179	6	30
Morse, H J	87	5	25
Poehlmann, Wm	96	5	25
Parvia, O F	178	6	30
Simmons, S D	52	5	25
Simpson, Wm H	101	100	500
Simpson, Wm H	162	25	125
Simpson, Wm H	163	25	125
Simpson, Wm H	164	25	125

And in accordonce with law and nn order of the Board of Trustees, so many shares of each parcel of said stock as may be necessary will ho sold nt the salesroom of Messrs. Cobb & Sinton, No. 406 Montgomery street, San Francisco, Cal., on Thursday the 8th day of September, 1864, at the hour of 12 o'clock A. M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale, unless said assessments, with accruing charges, are previously paid.

LAWRENCE C. OWEN, Secretary.

Office, No. 8 Masonic Temple, N. W. corner Montgomery and Post streets. 9-4t

Ossipee Gold and Silver Mining Company, El Dorado County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atwood, E T	86	50	$2 50
Atwood, E T	92	5	25
Atwood, E T	93	5	25
Atwood, E T	95	5	25
Atwood, E T	200	25	1 25
Butler, B F, Son	47	100	5 00
Butler, B F, Son	123	100	5 00
Butler, B F, Son	129	100	5 00
Butler, B F, Son	136	70	3 50
Bloisdell, Mrs E F	177	10	50
Cain, R K	112	50	2 50
Cain, R K	113	25	1 25
Cain, R K	114	25	1 25
Cain, R K	115	20	1 00
Cain, R K	110	20	1 00
Colby, A	142	10	50
Colby, A	143	10	50
Cherry, F M	168	25	1 25
Cherry, M E	159	25	1 25
Cherry, I L	160	25	1 25
Cherry, D B, Jr	161	25	1 25
Dyer, R C	39	1	05
Doolittle, W G	189	100	5 00
Dungan, Ann M	190	5	25
Gleason, W B	179	50	2 50
Hutchinson, E F	140	10	50
Hi Ah	141	10	50
Hornett, E	144	100	5 00
Harnett, E	145	50	2 50
Hyland, H J	165	22	1 10
Hyatt, Caleb	167	10	50
Hyatt, Caleh	184	100	5 00
Hyott, Caleh	185	100	5 00
Johnson, Thos J	188	25	1 25
Jones, T E	187	25	1 25
Ladd, C J	194	30	1 50
Larrimore, R	192	50	2 50
Moody, E	159	150	7 50
Niebour, T	183	24	1 20
Pritchard, T	186	25	1 25
Rainow, L	98	25	1 25
Rainow, L	99	25	1 25
Raanow, L	101	10	50
Raiuow, L	102	10	50
Rainow, L	103	5	25
Rainow, T	104	5	25
Rainow, L	105	5	25
Rainow, L	106	5	25
Regester, David	125	10	50
Sturdivant, R O	10	100	5 00
Sturdivont, R O	17	100	5 00
Sturdivant, R O	176	90	4 50
Silshy, W H	150	25	1 25
Silsby, W H	151	5	25
Scribner, W R	157	25	1 25
Thornton, R S	32	50	2 50
Thornton, R S	33	50	2 50
Tilton, S S	69	50	2 50
Tilton, S S	71	25	1 25
Tilton, S S	72	25	1 25
Tilton, S S	74	20	1 00
Tilton, S S	76	10	50
Tilton, S S	77	10	50
Tilton, S S	78	5	25
Tilton, S S	79	5	25
Tilton, C H	174	40	2 00
Tilton, C H	175	10	50
Von Pozoe, H	166	10	50
Von Rhein, O F	164	23	1 15
Warren, O P	20	50	2 50
Warren, O P	21	10	50
Warren, O P	22	10	50
Warren, O P	24	10	50
Warren, O P	25	10	50
Warren, O P	26	5	25
Worren, O P	27	5	25

And in accordonce with law, and an order of the Board of Trustees, mode on the 26th day of July, 1864, so many shores of each parcel of said stock as may be nceessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 13th day of September, 1864, ot the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. R. MAURICE, Secretary.

Office, No. 703 Montgomery street, San Francisco. 9

MINING AND SCIENTIFIC PRESS.—This well conducted journal bas entered upon its ninth volume. It lt n sterling periodical, nnd deserves encnragement.—*Territorial Enterprise.*

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 14th day of June, 1864, the several amounts set opposite tbo names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Bateman, W A	21	10	$10
Bateman, W A	29	10	10
Batcman, W A	30	5	5
Beckford, D R	210	5	5
Bloomer, Teresa	01	10	10
Bresson, Melanie	242	20	20
Campbell, E R	214	5	5
Coles, E W S	131	10	10
Coles, E W S	253	40	40
Crane, A F	295	25	25
Champion, Cons'd M'g Co	254	100	100
Danes, J B	197	20	20
De Long, F C	74	2	2
Doane, J O	260	10	10
Douglass, W F J	198	10	10
Emery, J. G	123	5	5
French, M B	160	25	25
Gifford, Emily	86	1	1
Goff, T A	121	10	10
Coff, T A	122	15	15
Hall, Adalino E	105	10	10
Hammet, Eliza M	219	50	50
Hammet, Eliza M	220	50	50
Heath, James	19	1	1
Heath, James	20	1	1
Heath, James	47	1	1
Henderson, John	202	25	25
Kipp, A K	234	20	20
Kipp, A K	236	20	20
Locke, S	165	100	100
Loocy, Edword	126	3	3
Lamhert, R H	not issued	130	130
Paine, H J	102	330	hal 30
Peck, Lewis	3	80	80
Peck, Lewis	6	30	30
Peck, Lewis	11 12-ea 10	20	20
Peck, Lewis	13 15-ea 5	10	10
McKay, W J	113	2	2
Mc Kenzie, Wm	172	10	10
McKenzie, Wm	104	10	10
McKenzie, Wm	195	20	20
McKenzie, Wm	208	10	10
McKenzie, Wm	211	10	10
McKenzie, Wm	214	10	10
Miller, John	109	5	5
Miller, W P	136	2	2
Mitchell, J C	75	10	10
Murray, Isaac	149	50	50
Murray, Isaac	169	59	50
Murroy, Isaac	170	50	50
Rand, F M	115	2	2
Scott, Harshnw	106	10	10
Scott, Harshaw	178	5	5
Scott, Harshaw	205	50	50
Sponce, Catherine	167	3	6
Spence, William	158	38	38
Stevens, G F	199	5	5
Surryhne, Wm	37 38-ea 5	10	10
Surryhne, Wm	39 41 42 43 188 190 191-ea 10	70	70
Surryhno, Wm	44 45-ea 20	40	40
Sweetser, W H	152	20	20
Swcetser, W H	163	20	20
Sweetser, W H	164	20	20
Sweetser, W H	166	12	12
Sweetser, W H	180	20	20
Taylor, E L	68	10	10
Taylor, E L	69	5	5
Taylor, D W	61	50	50
Taylor, D W	62	100	100
Tammeyer, Julius	78	3	3
Tammeyer, Emma G	79	1	1
West, W A	73	3	3
Whitney, Mrs F	139	6	6
Wright, I N	201	50	50

And in accordanco with law and an order of the Board of Trustees, made on the 14th day of Juno, 1864, so many shares of each parcel of said stock as moy ho neccssory, will ho sold, at the solesroom of Jeromo Rice & Co. 327 Montgomery street, San Francisco, on the 10th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, to pay sold delinquent Assessment thereon, together with costs of advertising and expenses of sale.

N. G. FRENCH, Secretary.

Office, 723 Montgomery street, San Francisco, Cal. 9

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

NOTICE.—There aro delinquont upon the following described stock, on account of Assessment levied on the 23d day of July, 1864, the severol amonnts set opposite tho names of the respective shareholders, as follows:

Nomes.	No. Certificate.	No. Shares	Amonnt.
John Ridgeway	2	10	$5 00
John Ridgewoy	5	10	5 00
John Ridgeway	8	5	2 50
John Ridgoway	9	5	2 50
William Terry	17	20	10 00
William Terry	18	20	10 00
William Terry	30	5	2 50
Thomas L Frew	64	5	2 50
Thomas L Frow	65	5	2 50
Thomas L. Frew	66	5	2 50
Thomas L Frew	67	6⅞	3 44
A Hartman, Jr	44	5	2 50
A Hartman, Jr	45	5	2 50
A Hartman, Jr	47	5	2 50
A Hartman, Jr	48	10	5 00
A Hartmaa, Jr	49	10	5 00
A Hartman, Jr	50	10	5 00
A Hartman, Jr	51	10	5 00
A Hartman, Jr	62	1⅞	94

And in accordoncc with law, and an order of the Board of Trustees, mode on the 23d day of July, 1864, so many shores of each parcel of said stock as may he nccessary will he sold nt the salesroom of Edward S. Spear, No. 433 California street, in the city of San Francisco, on the 16th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising nnd expenses of the sale.

F. G. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 9-2t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 23d day of August, 1864, an nssessment of two dollars and fifty cents per share was levied upon the assessable stock of said company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 523 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will he sold on Saturday, the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 9-4t

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 20th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
E G Marshall	112	29	$7 25
T K Wilson	38	10	2 50
T K Wilson	39	10	2 50
T K Wilson	42	3½	88
A C Adams	82	31	7 75
W Crooker	118	42½	10 63
R W Bell	72	20	5
R W Bell	73	23¾	5 94
John Todd	44	5	1 25
John Todd	47	5	1 25
John Todd	50	15	3 75
W W Severence	17	87½	21 87
B Kincaid	67	10	2 50
N Anderson	53	7	1 75
M Raphael	71	43¾	10 94
H J Tilden	74	12	3 00
H J Tilden	84	22	5 50
A F Adams	83	31½	7 88
M Weil	96	10	2 50
C A Fitch	99	10	2 50
Wm H Hull	101	5	1 25
Ceo Mead	102	5	1 25
W J Boyco	103	10	2 50
M Boyce	104	5	1 25
L W Goodwin	105	5	1 25
D R Severence	135	15	3 75
A K Currier	116	15	6 75
A J Colby	117	15	6 75
H Denison	143	10	2 50

And in accordance with law, and nn order of the Board of Trustees, made on the 20th day of July, 1864, so many shares of each parcel of said stock as may he necessary, will be sold nt the salesroom of Cobb & Sinton, No. 406 Montgomery street, San Francisco, California, on the 10th day of September, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising nnd expenses of the sale.

PRESTON MORRIS, Secretary.

Office, No. 525 Montgomery street, San Francisco. 9

Kelsey Gold and Silver Mining Company, Kelsey District, El Dorado County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 27th day of July, 1864, the several amounts set opposite the Names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
W H Silverthorne	290	30	$3 00
W H Silverthorne	291	8	80
Mrs L A Raefsh	26, 27, 29, 30	40	4 00
Alfred Thurber	43	20	2 00
Wade & Potter	69 70-ea 100		
	76 77-ea 10	220	bal 12 00
F Wolfo	138	25	2 50
F Wolfo	139	25	2 50
F Wolfe	140	25	2 50
F Wolfe	141	25	2 50
F Wolfe	407	65	6 50
G Leger	155	10	1 00
G Leger	156	10	1 00
G Leger	157	10	1 00
W H Vandewater	151	10	1 00
Henry Mess	152	10	1 00
Richard Colhourn	153	5	50
W A Frey	165	10	1 00
W A Frey	160	5	50
W A Frey	318	10	1 00
T T Brodshaw	167	10	1 00
C S Lippman	220	50	5 00
C S Lippman	221	50	5 00
C S Lippman	222	50	5 00
C S Lippman	223	50	5 00
C S Lippman	225	25	2 50
C S Lippman	226	25	2 50
C S Lippmon	227	25	2 50
C S Lippmon	403	15	1 50
C S Lippman	422	5	50
J D Enus	228, 229	10	1 00
John L Yeatcs Jr	233	20	2 00
John L Yeotes Jr	234	20	2 00
John L Yeates Jr	235	20	2 00
John L Yeates Jr	237	20	2 00
John L Yeotes Jr	238	20	2 00
John L Yeates Jr	239	20	2 00
John L Yeates Jr	240	20	2 00
John L Yeates Jr	241, 242, 243-ea 10 244, 245, 246, 247, 249, 250	90	9 00
John L Yeates Jr	438	50	5 00
John L Yeates Jr	439	50	5 00
E W Lewis	253	5	50
E W Lewis	254	5	50
E W Lewis	345	10	1 00
Maria R Shannon	211	5	50
Isabel E Figel	214	5	50
Joseph Lippmon	312	10	1 00
C P Williams	not issued	1	10
Alice Moon	328	5	50
Maria L Terme	341	10	1 00
George Barrett	342	5	50
C Hess	349	10	1 00
E E Jonea	350	25	2 50
Ira W Dearborn	371 to 375 inc	25	2 50
James Taylor	400	10	1 00
Susan Sweetser	408	10	1 00
Gladwin Bros	427	10	1 00
J D Bailey	428	20	2 00
C F Hayward	435	5	50
R H Clement	437	30	8 00
Daniel Crooaln	460, 461, 462-ea 10	30	6 00
W J Meredith	467	50	5 00
W A Morland	463	25	2 50
L M Andrews	472	5	50
George E Davis*	325	5	50
George E Davis	326	5	50
Georgo E Davis	333	10	1 00
George E Davis	368	5	50
Georgo E Davis	369	5	50
George E Davis	360	5	50
George E Davis	341	5	50
Georgo E Dovis	416	10	1 00
Mary A Govard	456	10	1 00
William Plympton	433	13	1 30

*Assigned but not transforred.

And in accordanee with law, and an order of the Board of Trustees, made on the 27th day of July, 1864, so many shares of each parcel of said stock as moy he nceessary, will he sold, at Public Auction, at the Auction Room of Messrs. Cobh & Sinton, No. 406 Montgomery St., on the 10th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thercon, together with costs of odvertising and expenses of the salo.

S. C. GARDNER, Secretary.

Office, 605 Sacramento street, First door West of Montgomery street, up stairs. 9-2t

Sierra Nevada Gold Quartz Mining Company, Alloghany, Sierra County, California.

Notice is hereby given thot the annual meeting of the stockholders of tho above named company, for the purpose of electing Trustees to serve for the ensuing year, will be held at the company's office, No. 212 California street, San Francisco, on Monday, September 12th, 1864, at 7½ o'clock P. M. By order of the President.

W. A. RUST, Secretary.

San Francisco, August, 24, 1864. 9-4t

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 18th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Jas Foster	440	20	$3 00
Mrs A B Harrison	304	100	15 00
Miss Louise Wiso	193	10	1 50
J G Tilton	273	10	1 50
M G Kennedy	320	5	75
M G Kennedy	328	5	75
M G Kennedy	406	20	3 00
M G Kennedy	329	5	75
Joel Clayton	79	25	3 75
Joel Clayton	80	25	3 75
Joel Clayton	81	25	3 75
Joel Clayton	82	25	3 75
Joel Clayton	83	25	3 75
Joel Clayton	84	25	3 75
Joel Clayton	85	25	3 75
L E Morgan	not issued	462	09'80
L E Morgan	401	20	3 00
P Clarey	442	50	7 50
M Farney	467	20	3 00
M Farney	491	50	7 50
A W Stratton	480	25	3 75
T J Thihault	477	5	75
E T Carriquo	56	20	3 00
E T Carriquo	67	20	3 00
E F Carriquo	68	20	3 00
Chas Perry	78	25	3 75
Jas M Bunker	92	25	3 75
Paul Bunker	385	20	3 00
G W Smith	287	25	3 75
G M Smith	286	25	3 75
J A McClelland		10	1 50
Geo T Russell	134	30	4 50
D L McPherson	396	30	4 50
W F Hughes	171	50	7 50
J D Groff	415	15	2 25
A F Hinchman	213	50	7 50
A F Hinchman	235	50	7 50
A F Hinchman	236	50	7 50
G M Dexter	246	25	3 75
J H Widber	445	25	3 75
Tom Howard	427	15	2 25
F A Sinderman	460	25	3 75
Geo Wall	32	25	3 75
Geo Wall	33	15	2 25
Geo Wall	34	10	1 50
S Barrow	38	25	3 75
G W Morgon	343	5	75
G W Morgan	346	20	3 00
F L Such	306	50	7 50
J H Smith	351	5	75
J G Williams	485	10	1 50
Benj Jones	199	100	15 00
Benj Jones	200	50	7 50
Benj Jones	394	25	3 75
B M Hartshorn		200	30 00
John Fricker	875	45	6 75
John Fricker		10	1 50
Hinckley & Co	382	40	6 00
J N Potorson	386	20	3 00

And in accordanco with law, and an order of the Board of Trustees, mode on the 18th day of July, 1864, so many shares of each parcel of said stock as may ho necessary, will be sold at Jeromo Rice & Co's., on the 10th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thorcon, together with costs of advertising and expenses of the salo.

A. B. WINEGAR, Secretary.

9-td Office, No. 322 Front St., San Francisco.

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Buzzoleni, D	51	5	$25
Buzzoloni, D	52	5	25
Cole, Delos	1	10	50
Cole, Delos	2	10	50
Cole, Delos	4	10	50
Cole, Delos	5	10	50
Cole, Delos	6	10	50
Cole, Delos	7	20	100
Cole, Delos	9	20	100
Cole, Delos	10	20	100
Colo, Delos	11	20	100
Colo, Delos	12	20	100
Cone, W H	100	20	100
Moore, J A	97	10	50
Marston, P F	98	10	50
Marston, P F	99	20	100
McGowa, Loo	84	10	50
McGown, Lee	85	10	50
McGown, Lee	86	10	50
Noyes, J W	33	25	125
Noyes, J W	34	25	125
Noyos, J W	35	25	125
Noyes, J W	36	25	125
Noyes, J W	40	20	100
Page, R C	44	13 1-3	66 66
Page, R C	45	13 1-3	66 67
Page, R C	46	13 1-3	66 67
Smith, E F	91	12 1-2	62 50
Smith, E F	92	12 1-2	62 50
Stanchfield, L G	55	10	50
Stanchfield, L G	56	10	50
Stanchfield, L G	57	5	25
Stevens, T H	67	5	25
Watkins, B F	18	10	50
Watkins, B F	23	20	100
Watkias, B F	24	20	100
Watkins, BF	25	20	100
		535	$2675

And in accordonce with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may he necessary, will be sold at the salesroom of Jeromo Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 10th day of September, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. J. TREADWELL, Sec'y.

9-2t Office, 532 Merchant Street.

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 24th day of August, 1864, an assessment of five (5) cents per share was levied upon the capital stock of said Company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 322 Front street, or to J. W. CASSIDAY, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, 322 Front street, San Francisco. 9-4t

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, SEPTEMBER 3, 1864.

VOLUME IX. Number 10.

Opening Address at THE MECHANICS' INDUSTRIAL FAIR.

Delivered by Hon. John Conness, at Platt's Hall, Friday Evening, September 2d, 1864.

Mr. President, Ladies and Gentlemen:—In one of the last public declarations of Sir Robert Peel, he expressed the opinion that England owed to her mechanical industry the power with which she had passed through the wars of half a century—" that furnished her exchequer, that sustained her credit, floated her triumphant navies, and placed, for a time, in her hands the trident of the seas." The history of mankind proves that the foremost races of men, those who have controlled the civilized world, and who became great and prosperous, and impressed their ideas, habits, and civilization upon other races and peoples, were only foremost, great, and prosperous, because a large proportion of their people were engaged in agriculture and the mechanic arts. The people of the loyal States have for three years sustained a war for the restoration of the Union, unparalleled in its magnitude, and at a cost which seems fabulous; yet the statistics from the census prove that the total cost of the war, as exhibited by the public debt on the first of the present month, could be paid from the profits on agriculture and increased mechanical productions, as shown in the increase of wealth during the decade from eighteen hundred and fifty to eighteen hundred and sixty, and still leave a balance for the prosecution of the war for six more years at the same rate of cost; and then the people of the loyal States would in the aggregate be as wealthy as they were the year California was admitted into the Union.

I call your attention to these facts that we may the better appreciate the part we, as a portion of a great Nation, are performing, and the progress we are making in agriculture, and in new and improved mechanical productions, as exhibited under the auspices of the society which has called us together. With the intelligent and educated farmer and mechanic appropriations seasons and the disarrangements consequent upon war seem to act but as incentives to renewed exertions for the invention of labor-saving machinery and the profitable exercise of industry in new channels.

The clouds of winter withheld their necessary and nourishing rains, and the harvest of gold and grain is light, but men's thoughts have been turned to new means to lessen the expense of plowing, planting, gathering, and cleaning their crops, and the product is before you in the wonderful machinery on exhibition. Wild speculation and sudden haste to be rich, incompetent and extravagant superintendence, fictitious companies, and fraudulent stock, have depressed the mining interests of our State, yet the inventive, practical mechanic and miner have been at work in the discovery of improved applications of motive power; new processes for the saving of labor in driving tunnels and sinking shafts, in new pumps for the draining of mines, in new modes for the reduction of ores, and new processes for separating the precious metals from their obdurate matrices.

In the loyal States directly affected by the war, it was supposed there would be depression of business, stagnation of industry, and cessation of invention; the reverse is the fact. With the exception of the manufacture of cotton—which is depressed from the lack of material—almost all others are more prosperous than before the war. A recent intelligent writer, in commenting upon the fact that there were issued from the Patent Office, from the first to the tenth of May of the present year, two hundred and eighteen patents, re-issues, and designs, says: "Save in cotton manufacture, there is hardly one other that is not busier than it has been in years gone by. Iron is in such demand that producers of it command their own prices; paper is the same; woollen goods are the same; wearing apparel of every sort is costly; and this, in spite of all that inventors are doing to reduce the price, by making more of it in less time than was formerly required. The progress of invention during the war has been steadily increasing, and it is difficult to tell what the consequences would have been to the Nation had not the people lent their inventive skill in the hour of trial. Without the *Monitor* we should have been overwhelmed by the *Merrimac*; without the shot and shell of Stafford, Parrot, Sawyer, Shenkl, James, Hotchkiss, and others, we should have suffered many a defeat; without Sharp's rifle, the Burnside breach-loader, the Spencer and Henry repeating rifles, the efficiency of our arms would have been seriously impaired," and the crowning glory of the recent contest, by which the pirate ship *Alabama* met a pirate's fate, was in the superiority of the Dahlgren over the Blakeley gun. The fact that so many men have been called from agricultural and mechanical pursuits to the direct service of the country, has compelled the invention and adoption of labor-saving machinery.

The Commissioner of Patents, in his report for eighteen hundred and sixty-three, in commenting upon the increased activity in the invention of agricultural machinery consequent upon the withdrawal of men from the pursuits of peaceful labor, says that he learns from reliable sources that there were manufactured in the loyal States during that year upwards of forty thousand harvesters, while the number in process of manufacture required for the harvest of the present year is estimated at over ninety thousand machines. He adds: "Machines for thrashing and cleaning grain have received a large share of attention, and have been rendered so complete that the grain is now thrashed, cleaned, measured, bagged, and the straw sacked at one operation. Improvements have also been made in the machines by which the dust is taken up and conveyed away, and also by which the bands are cut and the sheaves fed into the thrasher. Indeed, throughout the entire class of agricultural machinery, there appears to be an increased activity in the effort to substitute labor-saving machinery for manual labor, and with beneficial results." The exhibition of the invention and skill of the farmers, mechanics, and miners of California, which to-day has been collected together in this great city, will prove that our State is not behind her loyal sisters in all that shows studious thought and skillful labor. Who that landed on these shores fifteen years ago, and saw scattered through the State the evidences of a pastoral civilization—which, existing for two hundred years, had made no advance in agriculture or mechanics—would have dared predict this great city, its foundries, machine shops, woollen mills and other manufactures, its opulent commerce; and, enlarging the view, the broad acres of agricultural productions, the vineyards and orchards, the quartz and lumber mills, and the thousands of miles of mining canals? All these are the product of skilled and intelligent labor, and the men who have produced them may well feel a just pride in their work.

It has been well said, that the dignity of labor is in its results, and not in the form of employment. While we may feel a just pride at the progress we have made, it should not be forgotten that we started in agriculture and mechanics at the highest point which others had attained. We had among us intelligent and educated men of all the civilized nations. We had the benefit of all the knowledge and experience of our own and other peoples. We found a new country, and contact and interchange of thought with men of all sections and various systems of education, tended to release the mind from the fetters of old restraint and prejudice, and the conservatism of conventional custom, and our farmers and mechanics were ready to adopt all that was new, provided it was good and accomplished the purpose intended. If the most sanguine pioneer would have been considered insane had he predicted the evidences of progress, prosperity and wealth, which are displayed before you today, who would dare to foretell what inventions, what improvements in machinery, what evidences of progress in agriculture, what specimens of varied manufacture, will be gathered for exhibition in this city, when fifteen more years have passed away? I believe, when that time shall have arrived, California will be known as a manufacturing as well as an agricultural and mining State. We have all the facilities to make us a manufacturing people. We have coal in our hills, waterfalls and wood on our mountains, iron and other ores in abundance, and unsurpassed agricultural facilities. We are advantageously situated to control the commerce of the northern Pacific, and to supply the people who will soon fill the country on the north and south of us. We have a climate which seems more nearly adapted for the healthful labor of man than any other on the earth; our system of law opposes monopolies, and gives the greatest freedom and security to individual enterprise. The discovery of the precious metals in the interior of the continent, at various places beyond our eastern border, is attracting a population which will become permanent, and whose manufactured articles of consumption can only come from this State, when the Pacific Railroad, which our wise Government is doing so much to build and foster, shall have crossed the Sierra Nevada. We are situated at so great a distance from the manufacturing centres of the world, that the cost of transportation is equivalent to a profit. The necessities of the country growing out of the cost of the war, compel a tariff which prudent legislation will not materially reduce, and which offers inducements for the investment of capital in manufactures. In the estimates of the income of the country for the present year, the receipts at the Custom House in this city were placed at eight millions of dollars. While we cannot but be pleased that we are paying so much toward the support of our Government, we should remember that at least one-third of this sum is paid as a tax on articles which in a few years will be produced and manufactured in this State. In this connection let me direct attention to the recent legislation by Congress, by which high specific duties are imposed upon the wines and brandies of foreign countries, while like products of our own favored State are nearly exempt from burden; the necessary and inevitable result of which must be that we shall soon furnish a bountiful supply of these valuable products for the consumption of our own country as well as for exportation. The necessities of our position, the laws of trade, and the habits and education of our people, all tend to make California a manufacturing State. Observation and reflection have taught me that the most depressing influence on our progress is the unsettled condition of our land titles. Agriculture is the foundation of civilized society, and successful agriculture is based upon the peaceable ownership and possession of the soil cultivated. It seems impossible that even with the law's slow delays, many more years can pass before the title to our lands will be finally determined, and these lands be subdivided and sold by the claimants by the Government, to the people who will occupy and cultivate them.

I believe, also, that the time has arrived when the prosperity of the State demands that the miner should be the owner in fee simple of his claim. He is at present but a trespasser, working, it is true, by the cheerful consent of the Government; but still a trespasser, liable to unfriendly legislation (not that legislation is intended to be unfriendly,) but it seems impossible that his position and wants can be understood, except by direct observation and association.

I believe that the laws and customs adopted by our mining population for the settlement of the rights of possession and occupancy should be confirmed by Congressional legislation, and a law be passed providing for the sale of the mineral lands to the persons who, under our laws, have the right of possession. This done, our mountains will have a permanent population, mining will be conducted as a business by system and order, capital will seek investment in mining enterprises, school houses, farm houses, and churches will take the place of the log cabin and the tent, and we shall have a steady, industrious people, whose wants and necessities will keep busy our foundries, machine shops, and factories. The society whose exhibition is to-day opened to the public, is peculiarly under the direction and control of mechanics; it is the product of their thought, the reflex of their intelligence, which is to excite our admiration. Although it must be conceded that agriculture is the basis of the whole superstructure, I feel a direct interest in the working mechanic, his modes of thought, his habits and associations, the position he occupies as a member of society, and the influence he can exert in the advancement of civilization.

I know what it is to give my daily toil for years in the acquisition of a mechanic's trade. I know what it is to fill every position from apprentice to foreman. I know the conditions that almost separate the mechanic from general society. The demands of occupation are peculiarly exacting upon him. The competitions of productive industry account for this exaction, which, to a certain extent, separates him from intercourse with society. The master mechanic, attuned by early habit to these exactions and demands, pursues his calling too often to the neglect of enjoyments and other duties. The operative mechanic, worn by daily toil, seeks rest and recuperation in the intervening hours not occupied by labor. His opportunities for intercourse with friends and neighbors are few. In this way society often becomes classified by force of circumstances and the demands of the laborious and useful professions. Vain men and women sometimes attempt classification, based solely upon wealth and the assumed respectability of idleness; but in a Government like ours all such attempts must fail. The poor of to-day represent the wealth of to-morrow; and thus, so far as wealth and its advantages are concerned, an equalization is continually going on, which never fails in its effect. The man or woman who has most intelligence, most energy, the deepest love of humanity, and applies these great gifts and qualities to the most useful purposes, becomes, in our time, the greatest hero or heroine, and the most peerless ornament. Such may not be suddenly acknowledged; but let none fear their legitimacy of empire, for God has ordered that they shall reign and rule in the moral kingdom. Now, try the mechanic by this great test. Trace him out, who, in the stillness of the midnight hour is engaged in the closest analysis, and calculations of the laws that govern the application of force to matter, the result of whose labor is to astonish the world again by an increase of its productive industry, by immense additions to its wealth, and a more bountiful supply for human wants. Observe him who, day by day, dexterously plies the implements of his trade, satisfied with his slender earnings, and applying them to the relief of family and kindred, but ever looking upward and onward to the goal that his manhood marks as his proper station. Who can question his elevation and superiority? It is a mistake, if not a crime, to discriminate too severely against those of our race who are not endowed with equal intellect and intelligence with ourselves. It would be a strange society where all the members were equally intelligent, equally moral, and equally adapted to the highest grade of human refinement and elevation. The office of reformer and philanthropist would be gone, and precept and example would alike be lost. Although we all have an ideal standard, yet its universal attainment would seem to be impracticable, if not impossible; and we are brought back to the conviction that One wiser than we has beneficently arranged the elements that go to make up human society.

What are called the polished members of society are rarely known in its great conflicts, out of which are evolved radical changes that strike at its lowest foundations. The great conflict now going on in our country between those who would rule or ruin, and those who would and will preserve the work of the great fathers, is maintained for the most part by the uneducated and laboring masses of our population.

When Burnside's column left Annapolis for the Rappahannock, last spring, I saw the brave fellows who composed it pass through the National Capital. I made it my business to observe them closely in this connection. The bronzed face of the Caucasian and the black face of the Ethiopian together made up that human tide which, with measured flow, went down to death for liberty! That great column was not, of course, without rare intelligence, but it also contained the untutored, unselfish men—the rough, unhewn virtue of our Nation—and I thanked God that all were not sufficiently refined to remain at homes of ease and affluence while country, humanity, liberty and law demanded human sacrifice.

I do not wish to be understood as undervaluing education, for on the contrary I believe that without it there can be no progress, no advancement, no permanent security for civil liberty. No part of our population has so great an interest in maintaining public common school education as the mechanic. While all the years from youth to manhood are generally appropriated to education by the affluent, the education of the children who are to enter upon mechanic trades must be completed at a much earlier period. The base must thus be laid in early youth upon which in later years, during hours often stolen from sleep, the superstructure is to be built which is to culminate in an intelligent and useful after life. But no member of the community can release himself from the duty of providing the means of education for all. We are all of one family, and are all interested in the welfare of each other. The usefulness, the fame, and the greatness of any, belong equally to all. The strength, the power, the nobility of the greatest and best man belong to and inspire every other member of society. The poverty, the weakness, the disgrace of any, are equally distributed through the community. No man can absolve himself from this common bond and responsibility; to attempt it would be to isolate himself and become a voluntary outcast. Why do the people of our State open wide their purses, and send through the Christian and Sanitary Commissions their treasures, to the relief of men whom they never saw? They are impelled by the divine law of duty, and the common bond of humanity, and their own happiness is promoted by obedience to these demands. I invite, especially, the attention and efforts of mechanics to every step proposed in the direction of universal education. The benefits to society from education are marvelous already. We often hear persons who have a habit of condemning their own age as inferior to the past, complain that we now have no great minds—no great intellects; in fact, they assert that the race of mental giants has passed away, and we have pigmies in their stead. I do not hesitate to say that we have now more genius, more intellect, more real greatness, engaged in the production of labor-saving machinery alone, than any past age can be shown to have had engaged in all capacities put together.

It is not, however, in this line only that this age excels all others. The merchant of a half century since would be astonished if he were launched upon the market of to-day. It is no longer a great venture to send ships to sea; their time can be calculated, and the condition of trade at their destination be known. The great merchant of the past would cut no figure in the commerce of our time.

In the curative art, the whole practice has been changed, and human ills are alleviated or removed with almost unerring success.

The pulpit is liberalized, and no man thinks of holding his neighbor up to a particular standard of belief. The seats use reason and generosity in larger quantities, and all are becoming friends. The grasp of the statesman is wider than it was—it now takes in all humanity, and proposes a greater extension of human rights everywhere. It is, in this connection, a noticeable fact, that even where—as in the case of Louis Napoleon—wrong is contemplated, it is predicated upon the improvement of the general condition of the victims. All society is becoming humanized and elevated.

The general diffusion of education has so enlarged man's capacities, that to be distinguished is no longer a distinction. The average is so much higher that we are deceived by the standpoint from which we look. All this, and much more, is due to the extension of common school education during the past half century, and gives us splendid promise for the future, if we but do our duty.

To those of us who came to these shores on the discovery of gold, half the average life of man has passed away. To us it was a strange land; to the next generation it will be the native land. The pride we feel in its progress, its prosperity, its advance in all that goes to make a higher civilization, will be theirs by birth and inheritance. Born to love their country, if we perform our duty to them, they will advance its growth to greatness. Under the guardianship of the Almighty, I think the time is near when the supremacy of the National Government, and the justice of its rule, will be acknowledged throughout the whole land. Through bloody war and all its horrors, by loss of friends and relatives, and by homes made desolate, God has taught this people the virtue of patriotism and the value of free labor. In the peaceful years to come, that are left to us, let our children be also taught these deep lessons, and let us not forget to impress upon them the dignity and true nobleness of labor, so that, when we shall have passed away, they will be the leaders in organizing the grand future of humanity—the legitimate product of education, religion, and liberty.

THE MARIPOSA ESTATE.—A report has been laid upon our table, of an examination of the Mariposa Estate, made in May last, by Professor Benjamin Silliman, Jr. The professor spent nearly two weeks upon the estate, studying its geological and mineralogical aspects. His impressions are recorded in the report as follows:—

"The whole impression made on the geological observer—an impression which every day's experience seems to deepen—is of the favorable geologic conditions for the occurence of gold; of the boundless and hitherto very imperfectly developed resources in quartz. It is, indeed, only after riding by unfrequented paths to secluded ravines and rugged hill sides, that the observer can arrive at a full impression on this subject; but a general review of the estate from end to end suffices to convince even the casual observer that he is upon one of the most favored districts yet discovered. It is difficult at first to take in the scope of the property as a whole, for it is more a Principality than an estate, with its area of seventy square miles; its varied scenery, numerous villages, and mingled population of Americans, Mexicans, and Chinese,—amounting to near seven thousand souls,—its herds of animals, and boundless range of hillside pasture, capable of supporting countless flocks,—the whole scene is one of singularly picturesque beauty, and to one fond of the study of the varied aspects of nature, well calculated to arouse enthusiasm in spite of those climatic conditions which deprive it for so many months of water, but give in return cloudless skies and vast capacity, with irrigation, for any description of temperate or semi-tropical cultivation."

The Report comprises a pamphlet of thirty-three pages, in which a full description of the various mines and mills upon the estate are given, together with their history and prospects in brief.

A RICH CLEAN UP.—A few days ago Messrs. William Watt & Co., of the Rocky Bar claims, near Grass Valley, cleaned up, after a two weeks' run at their mills, fifteen hundred ounces of pure gold, worth $17.50 per ounce.

PAUL TORQUET'S WILL.—The will of Paul Torquet was admitted to probate yesterday, upon the application of his wife, Sophia Torquet, John Melville, and Richard Ivers. The estate is supposed to be worth between twenty and twenty-five thousand dollars.

THE SECOND INDUSTRIAL EXHIBITION

would be held at the Institute Pavilion, commencing on Wednesday, September 1st, and continuing open fifteen days. The State Horticultural Society again joined with the Institute in holding *their* second exhibtion at the same time and place. The opening address on this occasion was delivered by Jas. A. Banks, Esq., and the closing address by Rev. A. H. Myers, of Alameda. The whole number of articles exhibited on this occasion was 682. The receipts of this second exhibition amounted to $15,541.50
Expenditures 13,569.43

Net balance $ 1,972.07

The list of members of the Institute, as published in the report of this second exhibition, numbers 452.

From this time until the summer of 1860, a period of nearly two years, the records of the Institute present no features of especial interest. The organization was conducted in a quiet unobtrusive manner, gradually increasing its library, and keeping up its membership. Much good was effected by the influence which the Association exerted over its membership and over the mechanical interest of the city generally. The benefits of the library were enjoyed by a large number of persons, mechanics and others, who were not enrolled as active members of the Institute.

Early in the spring of 1860, the proposition began to be discussed for holding a

THIRD INDUSTRIAL EXHIBITION.

This step was finally resolved upon, and an arrangement made with Mr. Lick for a new lease of his lot on Montgomery street, for the purpose of putting up another Pavilion, the old one in the meantime having been removed. This structure, a correct representation of which has been furnished by our engraver, and placed immediately under the view of that erected for the two previous exhibitions, was parallelogram in shape, occupying 150 feet on Montgomery street and extending 200 feet on Sutter. Its cost was $8,450. The Exhibition opened on the 3d of September, under quite flattering auspices. The opening address was pronounced by J. W. Cherry, Esq. Notwithstanding the hopes of success which attended the initiation of this Exhibition, though highly creditable to the skill and industry of the city and State, it was far from a pecuniary success. The receipts fell some two or three thousand dollars short of the expenses, and placed the Institute under quite embarrassing circumstances.

From this time until the fall of 1863, a little less than one year ago, the Institute was in a languishing condition—in debt and discouragement. In the spring its income had become reduced to $50 per month, *below expenses*, and the Association was actually considering whether it would be better to sell its library at public auction to pay its debts, and disband, rather than make another effort to recuperate and place itself once more in a condition to benefit itself and the community by an active existence. About this time the landlord's calls began to be pressing and the Institute received a pretty direct notice to vacate the building which it occupied. After several meetings of consultation, and under the influence of a few of the more energetic members, the Institute wisely resolved to keep up its organization, and to put forth its most determined energies to extend its usefulness and deserve a generous support from the public. Mr. Joseph Britton, the active and efficient President of the Association, was at once empowered to carry out a series of measures which he had himself suggested, to accomplish the desired end.

In the meantime the books and other effects of the Association were stored and the building on Montgomery street given up, while the President and other members of the Institute went energetically at the work before them. Numerous meetings were held; public sympathy was attracted to the efforts which the Association was making to help itself, and the result was soon made manifest in the elegant and convenient suit of rooms, now occupied by the Institute in a building belonging to itself and yielding a monthly rent of $100 in addition to the occupancy of the Association. The result has been very gratifying, not only to the parties most directly interested, but to the entire community as well. The lot and building, has cost the Institute $15,323, all of which, we believe, has been paid up, with the exception of $6,000, which is secured by a mortgage on the premises.

FIRST MEETING IN THE NEW BUILDING.

On the evening of October 28, 1863, the Institute met for the first time in their own building. The meeting was fully attended. On calling it to order, the President, made some appropriate remarks, congratulating the members on the work they had accomplished. The membership at that time was stated to be 550, the monthly dues for which reached $275, which together with $100 per month rent from the lower story of the building gave the Institute an income $375 per month. Energetic steps were taken at that meeting to still further increase the funds and income of the Institute, which have met with decided success. The propriety of holding a Fourth Industrial Exhibition was first suggested on this occasion.

At the close of the year a series of lectures was given which netted about $1000.

Upon re-opening the Institute in their present building, about 900 additional volumes were purchased for the library, and many others were gratuitously furnished by friends of the Institution. The library now contains about 7,000 well selected volumes, and the Reading Room is well stocked with a large number of useful and valuable periodicals, devoted to news, general miscellany and mechanics. The Institute as it now stands, is one of the proudest and most useful institutions for good on the Pacific Coast—the pride of our city, and an honor to her mechanics.

THE FOURTH EXHIBITION.

On the 19th of January, 1864, a meeting of the members was called with especial reference to considering the propriety of holding a Fair or Exhibition during the present autumn. After frequent meetings and much discussion, the plan for holding the proposed exhibition was fully matured. How successfully this plan has been carried out, let the noble edifice in which we are assembled today, with the tangible evidence of our skill and industry on every side speak for themselves.

HEROISM OF AN ENGINEER.—The Elmira (N. Y.) *Gazette* records the following act of sublime devotion to duty and of heroic self-abnegation: "The engineer on the train conveying prisoners to this place, when the collision was discovered to be unavoidable, with certain death staring him in the face, heroically remained at his post and reversed the engine, and was buried in the wreck. When found, his back was against the boiler, and he was literally burnt to death. He told those who came to his assistance to keep away from him for their own safety, as he feared the boiler would burst. Every exertion was made to save him, but without avail until life was extinct. His name was William Ingram."

AMONG the novelties recently introduced is a locomotive seat designed for those who work at gardening, etc., where their hands need to be employed on or near the ground. It consists of a malleable iron foot-piece or sandal, which can be easily fastened to the foot by suitable straps. An oblique standard, with a seat made of wood, sticks into the foot-piece at the heel, properly secured, thus making a convenient stool, which can be carried about with very little inconvenience.

ORIGIN OF BOOTS AND SHOES.—Boots are said to have been invented by the Carrans. They were at first made of leather, afterwards of brass and iron, and were proof against both cut and thrust. It was from this that Homer called the Greeks brazen footed. Formerly, in France, a great foot was much esteemed, and the length of the shoe in the fourteenth century was a mark of distinction. The shoes of a prince were two feet; those of a knight, eighteen inches long.

THE great Duke of Wellington constantly asserted that nothing was worse than a *little* war. There can be no success unless you are in earnest.

Action of Butter on Copper.

The following communication to *L'Union Pharmaceutique*, Paris, by E. Laucelot, we find in the Philadelphia *Journal of Pharmacy*, for which publication it was translated:

I take the opportunity of the Scientific Commission now meeting at the Vienna (France,) to communicate to my fellow-pharmacutists a fact which, I believe, is new to the science of chemistry, and may ultimately prove highly interesting as a question of hygiene and toxicology.

Some time ago, an inhabitant of our city had a copper hydrant put up in his yard. The inner part of the copper pipe had not been tinned, that precaution being commonly deemed superfluous.

The water supplied by this hydrant, for the usual wants of the household, had never been suspected of containing noxious matter; but, one day, the lady of the house told her husband that, having left a slice of butter for several days in the water drawn from the new hydrant, she found that the immersed surface of the butter had turned quite green.

Anxious to ascertain the cause of this singular alteration, the proprietor divided a pound of butter into three equal parts, and placed them separately in three different vessels. He then filled one of these with water taken from a wooden hydrant placed in his yard at some distance from that of copper; the second vessel was filled from the very well that supplied the copper pipe, but from the outside of that pipe; and the third vessel contained water that had passed through the copper pipe itself.

The butter deposited in the water of the third vessel was the only one which, after two days immersion, became covered with a bluish green color, exhibiting the aspect of an hydrate of deutoxide of copper.

The piece of colored butter was handed to me by the owner, with a request to experiment chemically upon it, so as to ascertain the true nature of this coloration.

A solution of hydro sulphuric acid applied to the butter, produced at once a blackish, dirty spot; and the ferro-hydrocynate of pottassa gave a crimson spot; the latter grew darker by degrees. These characteristic aspects left no doubt of the presence of copper.

Desirous of experimenting on the very water that had imparted such a color to the butter, and also of determining what proportion of copper it might contain, I requested the owner to send me a certain quantity of that water, especially that which would be the first drawn in the morning. He sent me about three gallons of it, one quart of which was tried by means of the above-mentioned reactives, and some well known others, but without any result.

The remaining eleven quarts were reduced by evaporation to a tumbler full. Having filtered that remnant, I tried the limpid liquor: no result. I next poured on the filter—now coated with a calcareous deposit—a few drops of a reagent: again without result. Finally I dissolved this deposit in nitric acid, and then neutralized the solution; but that was as unsuccessful as the other trials.

Now, what conclusions can be drawn from the above? Simply this; The butter may fix and reveal molecules of copper, so very minute, that they will evade the most sensitive reagents known. Another remark, is that none of the persons who had used this hydrant had ever experienced the slightest accident. Nevertheless, my experiments lead me to the following conclusion: That under certain circumstances—as, for instance, the washing of butter—water from copper hydrants may become deleterious, unless the pipes be tinned inside.

It has long been known that the acids contained in greasy substances will act promptly on copper; but the above experiment has demonstrated to me, that butter is perhaps the most sensitive reagent to detect the presence of that metal, or of its salts, in a liquid; and that, if iron has the property of reducing the salts of copper contained in a very diluted solution, butter itself possesses the property of forming a copper salt—perhaps a butyrate—which reveals the presence of that metal, even when the active reagents most in use have failed to give trace of its existence.

I leave to the masters of the science the care of completing these experiments, which are certainly not devoid of interest in a toxicological point of view.

COD LIVER OIL is neither more nor less than cod oil clarified; and, consequently, two thirds of its medicinal qualities are abstracted. Cod oil can be purchased pure at any wholesale oil warehouse, at about one-thirtieth of the price charged for the so-called cod liver oil. Many persons, who have used cod oil pure as imported, have found it to answer much better than the cod liver oil purchased of a druggist. The best vehicle for taking cod oil is new milk, and its disagreeable flavor can be easily covered by the addition of one drachm of oil of orange peel to every eight ounces of the oil.

SALTNESS OF THE SEA AS AFFECTING NAVIGATION.—Surprise has been expressed that vessels going to Sebastopool take a smaller cargo than if they were only going to Constantinople, or that they diminish their cargo in the latter port before entering the Black Sea. The reason is this—the density of water of different seas is more or less considerable, and the vessels sailing in them sink more or less according to their density. The density arises from the quantity of salt contained in the water; and consequently, the saltier the sea is, the less a vessel sinks in it. As, too, the more sail a vessel carries, the deeper she penetrates the water, it follows that the more salt the water the greater the quantity of sail that can be carried. Now, as the Black Sea is sixteen times less salt than the Mediterranean, a vessel which leaves Toulon or Marseilles for Sebastopol must take a smaller cargo than one that only goes to Constantinople, and a still smaller one if it is to enter the sea of Azoff, which is eighteen times less salt than the Mediterranean. The Mediterranean is twice as salt as the Atlantic; once more than the Adriatic, five times more than the Caspian Sea, twelve times more than the Iouian Sea and seventeen times more than the Sea of Marmora. The Dead Sea contains more salt than any other sea; it is asserted on good authority that two tons of its water yields 589 pounds of salt and magnesia.

A HANDY TOOL.—Holes in castings which are cored out, very often are required to be made true and smooth so that bolts will fit in them. Some machinists waste a great deal of time in plugging the holes up with wood and then drilling them out afterward; still others spoil rimmers and files in rimming or filing the said out; it is needless to tell the intelligent workman that all these methods are costly and tedious. A better way to accomplish the object is to make a steel pin, ground square on the face, and turned true in the lathe. It may be parallel for a short distance (so that it will go straight) and taper above so that it will clear; the length is made to suit the work to be done. This pin is to be driven right through the casting, half from one side and half from the other, or else the face of the casting will be injured. With such a tool as this ten times more work can be done than with a drill or any other method, while the quality of it is excellent. It is called a drift pin and may be made of any size.—*Scientific American.*

BAGS.—The whole world of organized beings is put into bags, and is made up of bags. If we examine our own bodies we find that every organ is placed in its appropriate sack, and each is formed of a series of sacks. The brain is surrounded by the pericranium, the heart by pericardium, each bone by the periosteum, and all of these are delicate membraneous bags. Each one of us, as well as each of the myriads of lower orders of animals that have appeared on the earth, commenced its existence as a simple sack or cell; and its growth proceeded by the addition of other cells. If we place a thin shaving of a bone, or a minute scrap of any organ under a microscope, we find that it is formed of multitudes of minute cells or bags. And finally the whole system is put into that perfect bag, the skin.

Bags also play a great part in civilization. The whole organization of society—with its commerce, manufactures and agriculture, its armies and navies, its churches and courts, its republics and monarchies, its opulence and its pauperism—all depends upon that little cloth bag—the pocket.

BRUSH FIBERS.—There is a great demand just now among basket makers for some strong supple fiber which may supplement the present supply of piassaba or *bass* received from Brazil. Two strong fibers, the produce of different palms have been for sometime received from the two ports of Para and Bahia. Of late less care has been given to the selection and preparation of these fibers in South America, and they are much mixed with waste and useless fiber. The piassaba fiber, and the so-called Mexican grass, the produce of the leaves of Agate, have quite revolutionized the brush trade by cheapening the cost and replacing bristles. Owing to the improvements in Russia, arising from attention to bacon and ham curing, bristles are less stout and plentiful than they used to be from wild hogs. The attention of residents in tropical regions may therefore be drawn with advantage to the demand for new fibers for brush-making, street-sweeping machines, and chimney-cleaning brushes.—Brushes have for some time been made of whalebone splints, for certain purposes.

A LOCOMOTIVE has lately been patented in England which is designed to condense its steam when passing through tunnels. For this purpose it has a surface condenser over the cylinders, extending the whole length of the engine.

WESTERN agriculturalists, as a class, are represented as exceedingly comfortable in regard to money, owing to the high prices of grain.

Ancient Territories and Distances.

It is difficult for the modern reader to adjust his ideas of distance and space to the disproportionate scale of magnitude which many of the ancient territories and distances here to the prominent figure which the wars for their conquest and subjugation presents in history. For instance, the ancient historian makes it a marked feature in the history of the times, and a streak of singular good fortune and skill that Athens should early succeed in annexing Eleusis—a foreign territory ten miles distant; and Salamis, situated just across what would be a modern ferry. At this time Ægina, which lay pleasantly situated just over the bay, as Oakland from San Francisco, was the home of "alien enemies," and was only held in subjection by the iron hand of power. Megara, twenty-five miles distant, was in open hostility to Athens; and it was considered a splendid and generous act of *foreign* policy, that the city of learning should steadily uphold Platæa, a city thirty-five miles away, against the hateful predominance of Thebes located at the still increased distance of forty miles!

A writer, from whom we have condensed the above, continues the subject as follows: "The eternal rivalry with Sparta reached over an interval about as great as that which separated New York from Philadelphia; while the disastrous expedition to Syracuse, which bewildered the Attic imagination no less by the daring of its distance than by the splendor of its equipments, traversed a world of waters rather less than from the Chesapeake to Port Royal. Yet these narrow limits were enough for the great passions of patriotism, ambition, jealousy, and international hate. The intense pride of every Athenian citizen in his own splendid capital, his fond recalling of its generous liberties and its grand memories, in exile or disaster, or times of peril or fear, is familiar to any one who remembers the soldierly summons of Xenophon on his retreat, the touching appeal of Nicias to the forlorn hope at Syracuse, the fond tone in Plato's dialogues, or the ringing harrangues of Demosthenes when the shadow of Maeedon began to darken the pass at Thermopylæ."

How insignificant was the territory, and the principles involved in those ancient quarrels, compared with those involved in the gigantic struggle now in progress upon this great western continent and in these latter days! Where is the historian who can do justice to the magnificent theme? Who will emblazon upon the historic page the words which are to convey to future generations, down for all coming time, the glorious deeds which are now passing before us. Verily

> "We are living, we are dwelling
> In a grand and awful time;
> In an age, on ages telling,
> To be living is sublime!"

A new alloy, described as applicable to the manufacture of all metal articles, bells, hammers, anvils, rails, and non-cutting tools, has been patented by Mr. M. H. Micolon, of Paris. The alloy consists of borax. The patentee takes twenty parts of iron turnings or tin waste, eighty parts of steel, four parts of manganese, and four parts of borax; but these proportions may be varied. When it is desired to increase the tenacity of the alloy, two or three parts of wolfram are added. When the cupola is ready, the iron and steel are poured in, and the manganese and borax; finally, the vessel is filled up with coke; the metal is thus in direct contact with the fuel in the cupola, and by quickly running the fused mass into molds, bells which possess the sonority of silver, whilst the cost is less than bronze, may be obtained.

Golden Headed Arrows.—A party of settlers in Surprise Valley, near Goose Lake, recently pursued a band of Indians, killing some and driving the others from their camp.—Among the plunder were said to have been a number of golden headed arrows. This is a fair offset for the golden bullets of Arizona.

Bi-Centennial.—To-day, September 3d, 1864, is the second centennial anniversary of the capture of the city of New York, by the British from Holland—since which time, for 200 years, *New* Amsterdam has been a thing of the past, and the English city of York has given its name to the metropolis of the American continent.

Facts Concerning the Oil Wells.

The interference of one oil well with another, is becoming a common occurrence upon Oil Creek. It is, to say the least, very vexatious to the lucky owner of a flowing or pumping well, who has labored day and night, expending the earnings of years of self-denial, and just when he is on the highway to boundless wealth, to have his hopes crushed in a few hours, by the striking of a well near his own, that taps it, and turns his golden dreams of wealth into limpid, valueless water. Notwithstanding the great disappointment consequent upon a disaster of this kind, the true operator takes it coolly. He well knows, that no effort or foresight of his can remedy the matter, and so, if he fails to effect a compromise, or to sell out, he seeks another location, and very frequently interferes with some one else in like manner.

It would seem, in the minds of many, to be a settled fact, that any flowing or pumping well can be tapped or deprived of its supply, by boring another well upon some particular side of it. As to which side or in what direction this is, we are not clearly informed. No one, as yet, has satisfactorily ascertained the exact bearings of the oil veins.

We might give the opinions of some who profess to know the exact directions in which an oil vein is located, but we consider it no part of our duty as a truthful journalist to theorize just at the present, but to give the facts as they occur, so that the intelligent reader can form his own conclusions. If the operator can get the exact bearings of the oil vein, to tap or interfere with any well, is an easy matter. But we are of opinion that too many exceptions have occurred to render this generally received theory or hypothesis, a fixed fact. We will proceed to give a few cases in point.

Upon the M'Ilhenny farm, in the same locality, there were some nineteen wells. But few or any of these interfered with each other. All of them produced more or less oil. Finally, a well, the Olmsted, was bored almost in the center of these. *The consequence has been, the stoppage of all these wells*, and the Olmsted at one time, not long since, flowed 300 barrels of oil per day. How much it is producing at present, we are not advised, but suppose it don't vary greatly from that amount.

Upon the Blood farm, a well has been bored adjoining the Duncan well, in such close proximity that the bottom of the derricks touch each other, in fact the two wells are not over twelve feet distant. The new well has not only failed to get any considerable quantity of oil, but has not succeeded in tapping the Duncan, though it has been sunk several feet deeper. The owners of the Duncan well, doubtless feel rejoiced at this contradiction of the accepted theory.

In the case of the Philips and Woodford wells, when both are tubed, the Philips well runs pure oil, while the oil from the Woodford is "rily" or mixed with about forty per cent. of water. These two wells are located only a few yards apart in an almost direct line.

The Hammond well, on the widow M'Clintock farm, is surrounded by wells in every direction. Yet at the commencement, it flowed at the rate of between five and six hundred barrels of oil per day. A strong stream of water, from what direction, has never been fully ascertained, literally drowned it out, and it ceased flowing after yielding its greasy treasure in such copious abundance for a short time. But strangely enough, the latest advices from this well, represent that the pump is rapidly gaining upon the water, oil has come up in the proportion of about one third, there is a good show of gas, and the indications are that this well will soon approximate, if not exceed its former supply. Such is the reward of perseverance.

The cases we have mentioned are aggravated ones. Some of these occurring from the reason that parties had leased wells, or operated the wells already bored, with the intent of tapping or interfering with them, in order to be enabled to levy black mail.

How all this loss to individuals and injury to the general trade could have been avoided, had the parties felt disposed to exercise toward each other a more compromising and Christian feeling, the reader can imagine. But then, the sole object of many men here as elsewhere, is to make money, and too many think the end justifies the means. The necessity of some legislative enactments, to effectually remedy this matter, if such a thing be possible, is keenly felt, and we trust that measures will be taken to check this cut throat operation. We can see no reason why the law should not protect the man's property from injury by his neighbor, as much in an oil well, as in anything else.

The instances above, we have only cited to show how utterly useless it is to attempt to theorize upon a matter of which only the great Chemist of the Universe knows the causes and effects.—*Oil City Register.*

Several of the great iron works in Paris are employed in the manufacture of improved machinery for working the mines of Mexico.

The Grain and Fruit Crop at the East.

The monthly reports of the Commissioner of Agriculture, at Washington, is decidedly the best authority that can be had upon the subject of the agricultural and horticultural prospects for the current season. Its conclusions are based on facts obtained, through great industry on the part of the Department, from every locality in the Union, and are therefore much more reliable than mere speculations based on limited information. The following remarks are condensed from the July report:

Wheat.—The Winter wheat is in general in good condition in the Eastern States, but in New York it is frozen out three-tenths, or thirty per cent., in Pennsylvania three and a half tenths, in Maryland two and one-third tenths, in Kentucky and Ohio four-tenths, and in the rest of the Western States from three to three and a half tenths. This will lessen the wheat crop at least thirty per cent. from the yield of last year.

The general growing condition is good; in some northern localities drought prevails, which reduces it below a general average in several of the States.

Barley.—This is one of the most favorable crops, both in amount and its growing condition. It is above an average in both, and not a single complaint has been made about it.

Corn.—The lateness of the Spring retarded the planting of this crop, but the subsequent favorable weather brought it forward rapidly. In some northern localities it had to be replanted where put in early, but generally the crop never came up more favorably. The only State which returns a much lessened planting is Missouri, showing the effects of the war. In many places there are neither laborers nor fencing. In some States, as in Wisconsin and Minnesota, the crop is not in good growing condition. This is occasioned by drought.

Oats.—A few words suffice for this crop. It was never as good as now, either in amount or growing condition.

Clover.—This crop is highly favorable, both for pasture and hay.

Sheep.—The condition and increase of these continue as heretofore reported, and the wool crop will be excellent. The next report will show the amount of wool clipped, and whatever else in our foreign imports and domestic consumption that will be of interest to the farmer.

Hay.—The hay crop of Pennsylvania, Delaware, Maryland, and probably all the Eastern States, has seldom, if ever, been excelled in quantity and quality, and is being secured in the best condition. The crops of wheat, oats and corn, in the same section, are also promising as ever seen at this season.

Peaches and Apples.—Our reports indicate a good peach crop in the Eastern States—a total failure in the West. Of apples, a full crop East—a very partial crop in the West, where although there was much bloom, a large amount of it fell off without setting.

The Commissioner concludes his general observations by referring to the great scarcity of labor. He says:

The correspondence accompanying the returns of the circular show a general scarcity of labor, more especially of farm labor in the West. Nearly all of our letters from that section speak of its scarcity occasioned by the recent call for the 100-days' volunteers. This has had the effect to lessen the amount of crops sown in many places, but in many others it is stated that the breadth of the crops planted and sown is not less than that of last year. How this has been accomplished may be seen in the following extract, one from many others that might be given from the letters received. A correspondent from Iowa says:

"Farmers, with the aid of their wives and daughters, have got in as great a breadth of crops as ever before, and in as good condition. Help being very scarce, our patriotic women have endeavored to do the work of their husbands, and sons, and brothers in the field."

New York Capital in Alpine County.—The Markleeville *Chronicle* says that New York capitalists are negotiating for the purchase of several mines within the limits of that place. The certificate of stock of one company has been called in and forwarded to San Francisco. It is almost a foregone conclusion that in less than sixty days, one if not several of our claims will be in the hands of Eastern capitalists who have had their agents traveling through our county, examining its claims; and we hope ere long to have an abundance of money in our midst developing the mineral resources of Alpine county, which will soon rival our neighboring Territory.

Blackberry root tea is said to be a sure cure of diarrhea. This is simple and easy to obtain, and should not be forgotten.

Homes for our Heroes.

A very excellent custom appears to be coming into vogue, at the East, to provide, a comfortable and respectable homestead for such of our Generals as may distinguish themselves in the present war. Many of them will retire from the field, too poor in purse and disabled in body to enter upon any of the active duties of civil life, while their previous position in the army will necessarily subject them to expenses in living far beyond that which would be expected from civilians. It is well that our heroes should be provided with homes and kept from want—and it is especially proper that those homes should be provided for such as may need them, at once, so that a fear of future want for themselves and families, may not harrass them as they move forward to face the enemy in the deadly battle strife. Several of our leading generals have already been provided for. The last movement in this direction is among the members of the Coal Exchange of Philadelphia who design to raise a fund for purchasing a house for General Hancock. The fund has already reached the neighborhood of $25,000. It is the purpose of the donors to furnish the residence in a magnificent style, and fill its larders with all the necessaries required, before presenting the handsome gift to the gallant and distinguished soldier for whom it is intended.

Has not California some heroes in the field, who may be inclined, when the war is over, to still make this State their home—some one that has sacrificed everything for his country and periled his life, even, that we may be saved?

While we are thus providing for those who wear the stars upon their shoulders, we should not forget the humbler ones, who are none the less heroes, because they carry a musket. A hearty welcome, we trust, will greet our veteran soldiers whenever they return from the war. They also should be met with open doors and full purses—for God knows they will need them. The work of love so nobly begun by our Sanitary and Christian Commissions, will be far from done, when the roll call ceases to be heard, and the *reveille* is no longer beat along our extended "Front." The busy hands of fair ladies will still be needed to prepare necessaries, comforts and homes for the thousands who will return from the war penniless, broken down in health, maimed and otherwise unfitted for active labor in the field or shop. The work of charity which we have begun must go on, and on for a generation, at least. Our heroes must *all* have homes, and must be cared for kindly and tenderly, until they reach their final home in the "little parallelogram" which makes for each a heroe's grave.

Ore from Catalina Island.—The brig Lewis Perry left San Pedro on the 12th of August, for Santa Catalina, for the purpose of taking in a cargo of silver ore from the Gem of Ocean lode. The Perry, says the Los Angeles *News*, will no doubt have a full cargo, as the "Gem" Mining Company, had about one hundred tons of fine ore ready for shipment some two or three months since, and as we learn, have continued taking out ore ever since. The Lewis Perry, after taking in her cargo, will proceed directly to this port.

Restoration of Linseed Oil.—M. Fordred communicates to *Le Genie Industriel* a method, for which he has obtained a patent in France for restoring the sweetness to linseed oil that has become rancid. The plan is simply to force warm air through the oil, either by means of perforated tubes, or by means of a vessel with a false bottom pierced with numerous holes. The proper temperature for the air is between 110° and 127° centigrade, equal to 230° and 260° Fahrenheit. Sometimes a thick scum is formed at the commencement of the operation, but later this disappears. To prevent this scum from taking fire the vessel should be only half filled.

The United States has already a larger country than all the habitable area of Europe—larger than the Roman Empire under Trajan, twelve times as large as France, and fuller of all the elements of wealth than any equal extent of country in the whole world.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, September 3d, 1864.

The share market presented no new feature this week worthy of especial note. Leading etocks have for the most part heen rather inactive but well maintained. Short sales continue to be made with an apparent confidence that lower prices must ere long prevail, hut former sellere option contracte, are maturing from day to day, and the stock required for delivery, creates a demand that otherwise would douhtless not exist, hut for this purpose. The short interest is now an important feature of the market, and until recently has heen attended with some profit to those who were hold enongh to operate in thie way. There is little or no epeculation for a rise, eave among those who hny for purposes of investment, and who have strong faith in the future of the more prominent claims. Recent developments are regarded with favor by this claes of operators, and the undiminished yield of some of these mines would seem to warrant present prices, if not to justify the expectation of higher market value. Receipts of Treasnre from the interior during the past ten days, amount to nearly two million dollars.

The money market ie more active and a better demand prevails. Certain stocks, however, form the hasis of au acceptable security to capitalists, and loans upon this description of collateral can readily be negotiated at current rates of iuterest. Legal Tender notes have heen in decided request the past few days, and large sales were made at the Board, $121,000 changed hands within the range of 38¾ and 44¾; closing last evening at 41. A sudden and unexpected decline in gold at the East occasioned this unueual activity; lastest telegraphic advices under date of 2d, inst., indicate a quick rally to ahont 250 after having fallen to 225.

Gould & Curry fell on Satnrday last from $1,450 to $1,375, advancing this week to $1,490, then receding to $1,450, seller 30, rallying to $1,500, dropping again to $1,440, rising to $1,500, and selling last evening at $1,475; 40 feet were sold. Drifting continues toward the east from the eeveral shafts, and so far as we can learn without as yet, meeting with any compact hody of pay ore. A dividend of $50 per foot will he declared to-day, ont of the earnings for the past month.

Savage has met with unimportant sales this week at $1,250, seller 60, and is now firmly held at ahout $1,350. This company are about to resume the payment of dividends, and will disburse to stockholders on Monday next, $50 per foot, leaving some $20,000 in their treasnry. The prospects of the company are thought to he more flattering than for some time past. The yield of the mine continues large.

Belcher is in rather less request, and has fallen from $850 to $800, eight feet were sold.

Potosi has heen inactive, hnt held with some firmness at $890. Work is progressing vigorously and 100 tons of good ore is now daily taken from this claim, giving constant employment to a numher of mills.

Chollar has been in decided request during thie week, and large sales were made at rates steadily advancing from $520 to $550, seller 30, and closing last evening at $600, asked; 51 feet have changed hands. The latest developments made in the southwest drift are deemed of the most important character, and other portions of the mine are thought to look as well as ever.

Yellow Jacket was sold at $380@375. Work is progressing energetically in this mine. Hale & Norcross was dealt in at from $475 to $510, buyer 30. A side drift is heing run from the 545 feet level, the flow of water at this point interfering with the main drift. Indications thus far are helieved to he favorahle. Ophir is steady at $490 bid, $500 asked.

Uncle Sam is lower under the recent assessment and was offered yesterday at $200. The assesment levied of $100 per ehare, is upon the old stock and will, it is supposed, cancel the entire indehtedness of the Company.

Imperial has risen from $133 to $140@$141, and 96 shares were sold at these rates. Receipts of Bullion for the 15 days ending Ang. 26th, amounted to $58,482.32 and aiter the payment of a dividend of $6 per share for the past month $35,098.51 will remain in the treasury of the Company. The Rock Point Mill made half time the past month. The capacity of this mill is to he increased to 56 stamps. Some 100 tons of ore are daily hoisted to the surface all of which averages shout $40 ₱ ton.

North American fell to $22@$21 and is now in more favor at $26 hid, 35 asked. Daney rose to $35, and was in some request at this figure yesterday.

Wide West has heen the favorite speculative stock of the week and more than 600 shares were sold, advancing from $18 to $26, declining to 21½, rallying to $23 and closing at $20. Advices from the mine are said to he favorahle.

Burning Moscow is in more request and has advanced from $17 to $20—100 shares were sold at these rates. Bajazette & Golden Era declined from $8 to $3 hut is now enqnired for at $8.

Lady Bryan has heen moderately dealt in at from $4⅛ to $5⅛, at which rates 300 shares were sold. El Dorado was sold at $3 to $4 and Golden Age & Empire at $6.

North Potosi was sold to the extent of 242 feet, within the range of $16@$7½, and was offered last evening at $8. Baltic rose from $13⅛ to $16 and is inquired for at the close at $12.

Antelope fell from $17 to $10 and then rose to $13 hid. Iowa was sold at $6⅜@$10 and Santa Rosa at $11@$12. Sierra Nevada is in demand at $9; North Ophir at $14; Melones at $14; and Bullion at $35.

Sheha has rapidly advanced owing to favorahle advices from the mine, from $25 to $80 hid. Live Oak Copper is in favor at $50 hid.

The aggregate sales of stocks and Legal Tender notes since Saturday last amount to $199,528.25.

Sales of Mining Shares

For the week previous to Saturday, Aug. 20.

By the San Francisco Stock and Exchange Board.

Saturday, August 27.

4 shs Gould & Curry at 1450 per foot, s 10.
4 shs Gould & Curry at 1470 per foot.
8 shs Gould & Curry at 1400 per foot, s 30.
8 shs Gould & Curry at 1460 per foot.
4 shs Gould & Curry at 1450 per foot.
4 shs Gould & Curry at 1440 per foot, s 10.
4 shs Gould & Curry at 1440 per foot, s 5.
4 shs Gould & Curry at 1420 per foot, s 15.
20 shs Daney at 25 per foot.
17 shs Daney at 23 per foot.
10 shs El Dorado at $3 per share.
10 shs Wide West at 18 per share, s 30.
10 shs Wide West at 19 per share.
10 shs Lady Bryan at 5 per share.
90 shs Lady Bryan at 5¼ per share.
20 shs Lady Bryan at 5¾ per share.
27 shs Imperial at 133 per share.
10 shs Burning Moscow at 17½ per share.

AFTERNOON SESSION.

15½ shs Belcher at 835 per foot, b 10.
13½ shs Belcher at 850 per foot.
4 shs Gould & Curry at $1375 per foot, s 30.
4 shs Gould & Curry at 1425 per foot.
4 shs Gould & Curry at 1375 per foot s 30.
5 shs Refuglo, Mex., at 75 per foot
10 shs Blue Ledge at 2¾ per share,
20 shs Lady Bryan at 5¾ per share.
20 shs Lady Bryan at 5¾ per share, b 30.
50 shs Lady Bryan at 4¾ per share, s 30.
30 shs North Potosi at 16 per share.
10 shs Wide West at 19½ per share.
20 shs Wide West at 19¾ per share.
Amount of sales.....$31,023 00

Monday, August 29.

2 shs Halo & Norcross at 415 per foot.
5 sh Yellow Jacket at 350 per foot.
10 shs Bajazet & Golden Era at 8 per share.
10 shs Bajazet & Golden Era at 6 per share.
10 shs Wide West at 18½ per share, s 30.
10 shs Wide West at 19 per share, r w.
10 shs Wide West at 19½ per share, r w.
9 shs Wide West at 20 per share.
25 shs Wide West at 20 per share, r w.
50 shs Baltic at 13½ per share.
7 shs Baltic at 16 per share.
5 shs Sheha at 25 per share.
50 shs Marbio Valley at 3 per share.
20 shs Burning Moscow at 17 per share.
10 shs Burning Moscow at 17¼ per share.
25 shs Lady Bryan at 5¾ per share.
35 shs North Potosi at 16½ per share.
$5000 Legal Tender Notes at 38¾ per cent.

AFTERNOON SESSION.

8 shs Gould & Curry at 1400 per foot, s 10.
4 shs Gould & Curry at 1450 per foot, s 30.
4 shs Gould & Curry at 1390 per foot, s 30.
10 shs Wide West at 20 per share, s 30.
10 shs Wide West at 21 per share.
10 shs Wide West at 21 per share, r w.
10 shs Wide West at 20 per share, 30 d.
10 shs Wide West at 20½ per share.
10 shs Melones at 14 per share s 30.
40 shs North American at 21 per share.
10 shs North American at 22 per share.
5 shs North Potosi at 16¼ per share.
Amount of sales.....$15,944 00

Tuesday August 30.

4 shs Gould & Curry at 1460 per foot.
4 shs Gould & Curry at 1450 per foot, s 30.
4 shs Gould & Curry at 1490 per foot, r w.
4 shs Gould & Curry at 1485 per foot, s 10.
4 shs Gould & Curry at 1475 per foot, s 10.
40 shs North Potosi at 17 per share, r w.
15 shs North Potosi at 16 per share.
10 shs Moss, Arizona, at 16 per share.
10 shs Wide West at 21 per share, r w.
10 shs Wide West at 11 per share, 30 ds.
20 shs Burning Moscow at 17½ per share.
20 shs Lady Bryan at 5½ per share.

AFTERNOON SESSION.

$10,000 Legal Tender Notes at 39¼ per cent, s 30.
$15,000 Legal Tender Notes at 39¼ per cent, s 30.
$10,000 Legal Tender Notes at 39¾ per cent, s 30.
4 shs Gould & Curry at 1470 per foot, s 10.
8 shs Gould & Curry at 1500 per foot.
8 shs Gould & Curry at 1490 per foot, r w.
8 shs Gould & Curry at 1435 per foot, s 60.
4 shs Gould & Curry at 1470 per foot, s 10.
3 shs Savage at 1250 per foot, s 50.
16 shs Chollar at $520 per foot.
8 shs Chollar at 535 per foot.
2 shs Yellow Jacket at 375 per foot.
10 shs Golden Age & Empire at 5 per share.
47 shs North Potosi at 16 per share.
20 shs Wide West at 21 per share, at 30.
10 shs Wide West at 20¾ per share.
10 shs Antelope at 17 per share.
10 shs Antelope at 14 per share.
45 shs Iowa at 6¾ per share.
10 shs Imperial at 140 per share.
10 shs Baralag Moscow at 18 per share.
Amount of sales.....$10,059 25

Wednesday, August 31.

2 shs Oonld & Curry at 1475 per foot.
4 shs Gould & Curry at 1460 per foot.
4 shs Gould & Curry at 1440 per foot, s 10.
10 shs Imperial at 140 per share, s 30.
10 shs Wide West at 21 per share.
20 shs Wide West at 22¾ per share.
10 shs Wide West at 22 per share, s 30.
5 shs Wide West at 22 per share, s 30.
10 shs Antelope at 14 per share.
65 shs El Dorado at 3½ per share.
10 shs El Dorado at 4 per share.
10 shs Burning Moscow at 18 per share.
5 shs Lady Bryan at 5¾ per share.
10 shs North Potosi at 14 per share, s 10.
40 shs State Telegraph at 31 per cent.

AFTERNOON SESSION.

4 shs Gould & Curry at $1475 per foot.
2 shs Savage at 1250 per foot, s 30.
10 shs Wide West at 23 per share, r w.
10 shs Wide West at 22½ per share, s 30.
10 shs Wide West at 23 per share, s 30.
10 shs North Potosi at 14¾ per share.
10 shs North Potosi at 15 per share.
20 shs North Potosi at 13½ per share, s 30.
20 shs North Potosi at 14 per share.
10 shs Lady Bryan at 5¾ per share.
20 shs Sheha at 32½ per foot.
$5000 Legal Tender Notes at 41¾ per cent, s 30.
$10,000 Legal Tender Notes at 42 per cent, s 30.
Amount of sales.....$19,956 00

Thursday, September 1.

$10,000 Legal Tender Notes at 43 per cent, s 40
$ 5,000 Legal Tender Notes at 44¼ per cent.
$ 4,000 Legal Tender Notes at 44½ per cent.
$ 5,000 Legal Tender Notes at 43¾ per cent, s 30.
$ 1,000 Legal Tender Notes at 44¾ per cent.
$20,000 Legal Tender Notes at 44¾ per cent.
4 shs Gould & Curry at 1425 per foot, s 30.
4 shs Gould & Curry at 1490 per foot.
4 shs Gould & Curry at 1500 per foot, h 10.
16 shs Daney at 35 per foot.
20 shs Chollar at 540 per foot, s 30.
20 shs Chollar at 545 per foot.
40 shs Chollar at 550 per foot, s 30.
10 shs Imperial at 141 per share.
10 shs Imperial at 140 per share.
6 shs Burning Moscow at 19 per share.
40 shs Burning Moscow at 20 per share.
20 shs Antelope at 12 per share.
5 shs Antelope at 10 per share.
30 shs Wide West at 26 per share.
20 shs Wide West at 20 per share.
20 shs Wide West at 24¼ per share.
10 shs Wide West at 24 per share.
10 shs Wide West at 23½ per share.
10 shs Wide West at 21 per share, s 30.
10 shs Wide West at 22 per share.
20 shs Santa Rosa at 10 per share.
30 shs Lady Bryan at 5¼ per share.

AFTERNOON SESSION.

$5,000 Legal Tender Notes at 43 per cent, s 30.
$1,000 Legal Tender Notes at 44 per cent.
$1,000 Legal Tender Notes at 43¾ per cent.
$6,000 Legal Tender Notes at 43 per cent, r w,
$5,000 Legal Tender Notes at 43 per cent.
4 shs Gould & Curry at 1490 per foot, r w.
6 shs Hale & Norcross at 480 per foot, b 30.
40 shs Chollar at 550 per foot, s 30.
16 shs Chollar at 550 per foot,
24 shs Chollar at 500 per foot, s 30.
8 shs Belcher at 800 per foot, b 5.
20 shs Sheba at 47¾ per foot.
5 shs Imperial at 140 per share, s 30.
10 shs Imperial at 140 per share.
10 shs Santa Rosa at per 11 sharo.
10 shs Santa Rosa at 12 per share.
5 shs Wide West at 12 per share.
5 shs Wide West at 21¾ per share.
Amount of sales.....$67,169 00

Friday, September 2.

4 shs Gould & Curry at 1475 per foot.
10 shs Hale & Norcross at 510 per foot, b 30.
12 shs Chollar at 550 per foot, s 30.
8 shs Chollar at 552½ per foot.
10 shs Sheha at 60 per foot.
10 shs Sheba at 70 per foot.
14 shs Imperial at 140¾ per share.
170 shs Wide West, 21 @ 23 per share.
10 shs Wide West at 20 per share, 30 d.
45 shs Iowa 10 per share.
$3,000 Legal Tender Notes at 42 per cent, b 30.

AFTERNOON SESSION.

4 shs Gould & Curry at $1475 per foot.
20 shs North Potosi at 8 per share.
20 shs North Potosi at 7½ per sharo.
10 shs Lady Bryan at 5 per share.
100 shs Lady Bryan at 4¾ per share, s 30.
10 shs Wide West at 20 per share.
59 shs Wide West at 19 per share.
10 shs Wide West at 18¾ per share.
10 shs Wide West at 19½ per share.
10 shs Wide West at 20 per share.
Amount of sales.....$19,225 00

Gold in New York.

Friday, Aug. 26.....254¼.
Saturday, Aug. 27.....251@250¾.
Monday, Aug. 29.....242@245.
Tuesday, Aug. 30.....232½.
Wednesday, Aug. 31.....225@229.
Thursday, Sep. 1.....242½@248.

Legal Tender Notes.

San Francisco, Friday, Sep. 1.....41 per cent.

Advertising Circular.

The Proprietors of the Mining and Scientific Press would call the especial attention of Mining Secretaries, Trustees and Shareholdes, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important nowspaper of its class published upon this coast.

1st. The Press enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to he equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the Press is less hy one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the Press, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, hy reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the Press or some other paper.

6th. Many copies of the Press are hound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will he taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the Press, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance hy that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will he freely given upon application at the office.

Last, but not Least.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions hy one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the Press shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, hy experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

Enlargement.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

A Light Superior to Gas and Calcium.

French and English chemists are now interesting themselves about a new discovery, which is called the Magnesium Light. It is said that this light is richer in actinic power than any other artificial light known—is so rich, indeed, in chemical rays that the sun itself, when unobscured by fog or cloud, exceeds only by thirty-four times the chemical power of a magnesium flame having the same apparent diameter as that which the sun presents. The result is, that by the light produced by the combustion of magnesium-wire, such as is now being sold at six cents a foot, we are able to obtain, in any weather, and at any hour of the day or night, much better photographs than can ever be obtained by sunlight, except on clear and sunny days. Magnesium will thus render us henceforth independent of the sun for photographic purposes, and will, moreover, enable us to obtain photographic pictures of places—such as the interior of caves and mines, the passages in the interior of the Egyptian pyramids, and the like—into which sunlight never enters, nor can enter. But it is not in actinic power alone that the magnesium light exceeds all other artificial lights yet produced. For the purposes of artificial illumination generally it is without a rival. A very thin magnesium wire will give off, in burning, as much light as a very powerful electric light, is soft and diffusive, and does not in the least dazzle or pain the eyes. It is, moreover, of the purest white, so that all colors, even to the most delicate tints, are seen in it as perfectly as in sunlight, while a magnesium lamp has over both the electric-lamp and the ordinary gas light the advantage that it can be carried about as readily as a candle.

EVENING HOURS FOR MECHANICS.—What evening hours have done for mechanics who had only ten hours' toil. Harken to the following facts:

One of the best editors the Westminister Review could ever boast of, and one of the most brilliant writers of the passing hour, was a cooper in Aberdeen. One of the editors of the London *Daily Journal* was a baker in Elgin; perhaps the best reporter of the London *Times* was a weaver in Edinburg; the editor of the *Witness* was a stone-mason. One of the ablest ministers in London was a blacksmith in Dundee, and another was a watchmaker in Banff. The late Dr. Milne, of China, was a herd-boy in Rhyne. The principal of the London Missionary Society's College at Hong Kong was a saddler in Huntly, and one of the best missionaries that ever went to India was a tailor in Keith. The leading machinist on the London and Birmingham railway, with £700 a year, was a mechanic in Glasgow; and perhaps the richest iron founder in England was a working man in Morap. Sir James Clark, Her Majesty's physician, was a druggist in Banff. Mr. McGregor, the member from Glasgow, was a poor boy in Rossshire, James Wilson, the member of Westbury, was a plowman in Haddington, and Arthur Anderson, the member for Orkney, earned his bread by the sweat of his brow in the Ultima Thule. These men, however, spent their leisure hours in acquiring useful knowledge. They could not have reached the eminence they did, hanging around hose and engine houses, or wasting hours away in taverns.

THE SOUTH OPHIR.—The Territorial papers report this Company as having been constantly at work through the past dull spell putting up steam hoisting works which they will start running to-day. Their claim indicates very flattering prospects and they expect very soon to be taking out pay ore. Their shaft is 180 feet deep with a ledge twelve feet in width. Success to them.

TERRITORIAL FAIR.—The Annual Fair of the Washoe Agricultural Mining and Mechanical Society will commence at Carson city on the second Monday in October.

THE Ohio oil wells, coal beds, salt works, and iron mines are being worked more extensively than ever before, and the owners and operators are realizing large fortunes. One man, who could not buy a hat a few weeks ago, has struck an oil well which he now holds at $100,000.

DIVIDEND.—The Imperial Gold and Silver Mining Company declared a dividend of six dollars per share on their capital stock, yesterday.

The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS.

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month's dividend P ft.	Recent Assessments Per foot	Total Ass'ts P ft.
Baltimore American	2 600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,900	1	1,900	200 00	12 00	15 00		Jun 7, $10; July 23 $5.	35 00
Bajazett and Gobieu Era	4,000	1	4,000	500 00	8 00	12 00		July 30, $5. Aug. 3, $5.	38 25
Best & Belcher	224	4	896	500 00	—	—		Jan 12, $25; May 17, $100.	200 00
Burning Moscow	4,100	1	4,100	500 00	20 00	21 00		Jun 19, $15; June 24 $5.	50 34
Burnside	2,800	1	2,800	500 00	1 00	5 00		Feb 16, $2; Aug. 31, 50c.	0 50
Belcher	1,050	3	3,120	1,000 00	750 00	800 00	$24		
Buckeye	3,000		2,800	100 00	—	3 00		Aug 15, $2. June 4, $1.50.	20 20
Bullion, G. H.	2,500	1	2,500	200 00	35 00	45 00		Apr. 1, $20; June 8, $20.	
California	300	12	3,600	300 00	—	—		July 12, $150 00	
Central	150	12	1,800	500 00	—	—		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		May 25, $3; July 12, $1½	19 50
Crown Point	393	2	786	100 00	—	500 00		Oct 13, $25.	100 00
Chas. Caucy	1,800	1	1,800	30 00	—	150 00		Nov 30, $5; Mar 10, $3.	25 00
Choller	1,400	4	5,600	800 00	560 00	600 00		Jan 25, $60; Apr 15, $80.	320 00
Daney	2,000	4	8 000	60 00	35 00	—		Sept 15, $10; Jan 26, $12.	47 00
Desert	2,200	1	2,200	100 00	—	—		Jan 29, $1.	8 00
El Dorado	1,600	1	1,600	500 00	8 50	4 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co.	75	16	1,200	833 00	—	550 00	$30		
Gould & Curry	1,200	4	4,800	500 00	1,470 00	1,480 00	$50		
Grass Valley	4,200	1	4,200	500 00	—	30 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	480 00	500 00		May 24, $50; July 18, $50.	375 00
Imperial	184		4,000	500 00	140 00	145 00	$6	Dec 22, $12 50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	10 00	12 00		Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	5 00		May 11, $3; July 10, $3.	18 25
Lucerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	—	20 00		Nov 23, $10; Feb 13, $10.	
Nevada, J. G.	2,100	1	2,100	100 00	—	18 00		Apr 9, $20; July 26, $12.	32 00
North Potosi	2,000	1	2,000	250 00	7 00	8 00		Jun 13, $12½; Aug 6 $12½	127 50
North American	4,100	1	4,100	800 00	25 00	35 00		Oct 19, $10; Mar 23, $20.	
North Ophir	1,600	1	1,600	500 00	14 00	29 00		Nov 11, $1; Mar 26, $5.	
Norton	1,000	1	1,600	50 00	—	8 00		Oct 8, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	400 00	500 00	$48		
Overman	1 200	1	1,200	500 00	—	250 00		June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	825 00	000 00		Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	2 00	4 00	$5	Oct, Nov, Dec 16, $0.	9 00
Savage	800	1	800	2,000 00	1,240 00	1,350 00	$50		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	0 00	20 00		Mar 8, $5; May 16, $10.	96 00
Spanish No. 2	1,600	1	1,600	500 00	—	20 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	—	200 00		Nov 2, $50. Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	400 00		Aug 17, $30. June 17, $30.	257 00
Yellow Jacket	1,200	1	1,200	1,000 00	860 00	880 00		July 21, $30; Aug 4, $110.	250 00

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	13 00	14 00		Nov 18, $25; Feb 19, $25.	137 50
Bamboo	600	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00			12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	5 00	7 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	12 00	16 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	6 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	20 00		July 28, $6; Jan 5, $3.	14 00
Wide West	2,600	1	2,600	500 00	20 00	21 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	25,000		3,600	500 00	—	2 00		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	—	8 00		Oct 19, $3; July 31, 50c.	11 00
San Carlos			2,600	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Spriogs	2,700	1	2,700	100 00	—	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,080	100 00	18 00	20 00		May 21 $2.50 July 23 2.50.	14 35
Sheba	1,800	2	3,600	500 00	80 00	85 00		Mar 10, $10; Aug 12, $20.	62 00

REESE RIVER DISTRICT.

Amador	1,400							May 3, $5.	10 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			1 00
Oregon	800	2	1,600	300 00	—	20 00			2 50
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	16 00
Whitlatch	800	2	1,200	1,000 00	75 00	—		May 11, $10; June 25, $5.	
Willow	2,800	1	1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blado	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 23, $1.	2 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Biana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padro	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	— —		Feb 10, $30; Aug 23, $10.	150 00
Sea de Guadelope	3,600	1	3,000	1,000 00	—	— —			0 00
San Marcial	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	200 00	—	— —		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	2 00		Jan 30, $2½; Jun 16, $1½	
Fellows	2,500	1	2,500	100 00	—	—			
Molones	3,000	1	3,000	50 00	14 00	18 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	— —	—		Feb 13, $10; June 8, $5.	15 00
Trinofo, L. C.	7,866	1	7,866	200 00	—	25 00		June 18, $1; Aug 1, $1.	15 00

Catalogue of the Fair.

NOW IN PRESS.

We shall soon issue a full descriptive catalogue of articles on exhibition at the Mechanics' Fair, containing an alphabetical index of the names of exhibitors, No. of exhibit, classification, etc. It will also be accompanied by a diagram of the ground plan of the Pavilion and the interior arrangement of the Fair. It will be neatly printed and prove a convenient guide to visitors while at the Exhibition and a valuable book for future reference.

DEWEY & Co., Publishers.

Sept. 3d, 1864.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

Inventors and Patentees

Are offered a favorable opportunity of having their inventions and discoveries properly illustrated and prominently placed before the public, through our columns. Application should be made as early as possible in all instances.

PLUMAS County will hold her Agricultural Fair in the latter part of September or early in October.

A MAGNIFICENT

LITHOGRAPHIC VIEW

OF THE

Mechanics' Fair Pavilion.

PUBLISHED AND SOLD BY

DEWEY & CO.,

GEORGE H. BAKER, Artist.

At the office of the "Mechanics' Fair Daily Press," entrance nave of the Pavilion, and at the office of the Mining and Scientific Press, corner of Washington & Sansomo streets.

☞ *READ WHAT OTHERS SAY OF IT.* ☜

MECHANICS' FAIR PAVILION.—We have received from Dewey & Co., Patent Agents and publishers of the SCIENTIFIC PRESS, Government House, corner of Washington and Sansomo streets, a finely executed lithographic view of the Mechanics' Industrial Fair Pavilion, on Union Square. The picture is mathematically correct in proportion, and will be valuable hereafter as a souvenir of the greatest industrial exhibition ever held in our city.—"Daily Alta."

We are indebted to the publishers of the MINING AND SCIENTIFIC PRESS for a copy of a very excellent engraving they have issued of the Fair building and the Fair grounds.—CALIFORNIAN.

LITHOGRAPHED.—The Mechanics' Fair building has been pictured in good style, by George H. Baker. We acknowledge the receipt of a copy. DEWEY & Co. are the publishers.—CALL.

VIEW OF THE MECHANICS' INSTITUTE PAVILION.—MESSRS. DEWEY & Co. have published a lithographic view of this building. Size, 12 by 19 inches. The workmanship does credit to Geo. H. Baker, the Lithographer. The dimensions of the Pavilion are 375 feet in length, breadth 220 feet; dome 108 feet high and 100 feet diameter, the area being 55,000 square feet. P. J. O'Connor Esq., is the Architect. We hope the sheet will prove highly remunerative.—ARGUS.

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

The Daily Press.

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Programme of the Fair.

Until further notice the Pavilion will be open for the admission of visitors

At 9 o'clock A. M., every day except Sundays.

ADMISSION:

Season Tickets for Lady and Gentleman	$5 00
Season Tickets for one person	3 00
Tickets for single admission	50

Tickets may be had at the Institute, on California street, or of any member of the Executive Committee, or at the Pavilion.

MARTEL, the father of Eau-de-vic de Cognac, and the inventor of Cognac brandy has recently deceased. It has been suggested that his disciples should take the temperance pledge for one year—to his memory.

The Origin of Crystalline and Eruptive Rocks

No subject has been more keenly controverted, or passed through more phases of opinion, than the theory of the origin of crystalline rocks. By the followers of the Huttonian and Weraerian Schools it was disputed with as much virulence, and as little regard to fairness, as if it had been a theological dogma; and of receat years—although most people seemed to have imagined all coutroversy oa the subject at an end—an able school of German chemists aad physicists, and the great majority of practical miners throughout the world, have never ceased to protest against the *a priori* ultra-ingenious hypotheses of the generation of geologists now passing away. As far as miners are concerned—while their rejection of these hypotheses does credit to their instinctive judgment—it must be confessed that they did no more than protest; and that, from not understandiag the real points at issue, their protest was rather injurious than otherwise. The preliminaries of the real work, which gradually modified the opinion of all who have seriously studied the subject, was done by the Germaas. They made the beginning of the work, and deserve all the credit for it; although recently they have been superceded by English and French enquirers, better knowu to us, who have brought to light facts that have given us eatirely new insight into the coaditions under which crystalline aad eruptive rocks have originated. As the eaconomic importaace of the subject is obvious, we ueed make no apologies for referring to it in this *Magazine;* indeed it is now pretty evident that the genesis of metalliferous veins is somehow or other iatimately connected with the same conditions with those under which great masses of deep-lying sedimentary rocks were—as we shall show—so metamorphosed as to become ultimately eruptive.

As the rejection of the ultra-igneous hypothesos seems taken, by some persons, as a return to the Wernerian theories, it may bo well to poiut out at once that this is a mistake. Werner assumed that granite, with the trappean and basaltic rocks, had been deposited from water, and, in origin, consequently differed only from the recent sedimentary rocks in being precipitated from a primitive or chaotic ocean; while the essential doctrine of Hutton—and he seems to have been the first to have clearly conceived it—was that these rocks had originated *from beneath.* Now it cannot be too clearly understood that the former hypothesis has been completely disproved, and the Huttonian doctrine—as to these rocks originating from beneath and being sometimes eruptive—iacoutrovertibly established. But it does not follow that by adopting this doctrine, and consequently admitting the plasticity of such of these rocks as have been erupted, we accept the popular modern igneous hypotheses, which assume them to be portions of a primitive molten interior, the residue of a formerly wholly fluid-incaadescent globe. On the coatrary, the philosophy of Hutton was the very opposite to the philosophy inculcated by these hypotheses; for he ever refused to admit that, in geology, man could find any traces of a beginning. Indeed they rather embody the philosophy of Werner, which was that he could trace a beginning—the *mode* of the beginning only being altered. In fact, the foundation upon which the ultra-igneous hypotheses were originally built up was the presumed fact—then generally believed to be unquestionable—that all granite was "primitive," or in other words had origiuated, or assumed its preseat form, prior to the deposition of any sedimentary formation upon it. As long as this belief was accepted as a fact, the Wernerian philosophy, that we could trace a beginning, had certainly a most plausible basis; but, the moment it was shown not to be a fact, that philosophy aad its correlatsd ultra-igneous hypotheses, lost their only logical foundation. Years ago it was shown that granite broke through secondary deposits; more recently it has been shown to be of tertiary age; and so far from being essentially "primitive," we know at present of no granite mass of which we cannot prove an origin subsequent to some sedimentary deposits. With these facts, the Wernerian philosophy of a traceable beginning was incompatible, although the incompatibility was long in being recognized.

But leaving asido considerations as to the philosophy of geology, it may be admitted that all the early enquirers were equally mistaken as to their facts. The true theory, that of the metamorphoric origin of crystalline rocks, is of recent date; and its fullest extent aud importance is generally so little understood or recognised, even at the present moment, that our object in these few pages is to show the great extension given by the most recent enquiries.

Among those who have labored in the cause of metamorphism none have done better service than Mr. Sterry Hunt. Indeed, while numerous chemists and physicists have been working on the subject, he is almost alone among the field-geologists in having given it a zealous or serious attention. In his last contribution on the subject to the *American Journal of Science and Arts*, the conclusions he states are so decided that we think they will interest our readers to give an abstract of them.

He starts with the enunciation of the opinion that the various eruptive rocks have no other origin than the softening and displacement of sedimentary deposits. The merit of originally adopting this view he attributes to Christian Keferstein, who, in his *Naturges chichte de Erdkorpers*, published in 1834, maintained that all the unstratified rocks, from granite to lava, are products of the transformation of sedimentary strata, in part very recent; and that there is no well-defined line to be drawn between Neptuniaa and volcanic rocks, since they pass into each other.

Next, citing Sir John Herschel, Mr. Poulett Scrope, and Mr. Sorby's admirable investigations on the microscopic structure of crystals, he goes on to show how deeply buried sedimentary strata, having, under the combined action of heat aad water, been rendered sufficiently plastic, may either have lost in a greater or less degree the marks of their sedimeatary origin without any change occurring in their stratigrapical position, as in the case of chrystalline schists; or have been further altered so as to be displaced by pressure and forced among the neighboring strata, thus assuming form of eruptive rocks—but which, being consolidated under pressure, retained the same mineral characteristics as the parent beds, It is only in the case of those rocks which, like lavas, were consolidated at or near the surface, and consequently under feeble pressure, that mineralogical characteristics dissimilar to those of the undisturbed metamorphosed crystalline sedimeats are observable.

Under this hypothesis, Mr. Hunt proposes to class crystalline rocks into two divisions:—

1. Indigenous rocks, or sediments altered *in situ;* and,

2. Exotic rocks. or altered sediments which have become displaced or translated, thus forming eruptive aad intrusive masses.

Referring to opinions prevalent a few years back, which attributed an eruptive origin to many rocks now admitted to belong to the class above called indigenous, Mr. Hunt says it is impossible longer to question the sedimentary and indigenous character of many granites, syenites, and diorites. Among such he instances the melaphyres of the Tyrol, which are now admitted to be sediments of Carboniferous age, metamorphosed *in situ;* the granites of the summit of the Alps, which now appear to be tertiary strata altered in place; the granites of the White Mountains of New Hampshire, which Mr. Lesley's recent investigations have proved to be clearly stratified metamorphosed sedimentary deposits in nearly horizontal layers; and the amphibolites of the Pyreaees which, according to a recent note of Virlet, are not eruptive, but merely altered indigenous rocks, belonging to the Triassic series. But, although essentially indigenous, many of these rocks appear, while having been in a soft semi-fluid condition, to have undergone movements which at places show a passage into eruptive rocks. Hence, while the teadency of recent observations is to favor the theory of the indigenous nature of of many rocks hitherto regarded as eruptive, there is at the same time evidence that such rocks were occasionally displaced—that is to say, that a rock essentially indigenous may at times assume an exotic or intrusive form, and that consequently the distinction between the two classes of chrystalline rocks is a *geological,* and not a *lithological* one.

As to the conditions under which these great metamorphic actions have taken place, Mr. Hunt does not say much, and they must obviously indeed for many years remain in the region of speculation. Whether they are in a great degree due to causes which acted with greater intensity in the earlier periods of the world's history, or can be accounted for by the causes now in action, is a point which may be expected to be contested with great tenacity. For our own part we entirely repudiate the theory of the greater intensity of early geological causation, that is to say, as far back as we can trace; and, consequently, we believe that even the most gigantic operations of metamorphism can be accounted for by causes now in action under the earth's crust, in which water acts a principal part. We may, on a future occasion, refer to this most important subject.

Before concluding this note, however, we may refer to one subject which seems to have escaped the attention of Mr. Hunt, and that is the bearing of the remarkable facts seth forth by Mr. Sorby in his Bakerian lecture "On the Direct Correlation of Mechanical aad Chemical Forces," on the origin of eruptive rocks. Many persons who may be prepared to admit the probability of sedimentary strata becoming sufficiently plastic to allow of the obliteration of their original stratified character—who may be prepared in fact to admit the metamorphic origin of indigenous rocks—may still deny the possibility of such an origin for eruptive rocks. They will ask— whence was derived the enormous power required to thrust these rocks in the manner we often find them among neighboring stratified deposits? Four or five years ago M. Daubree, in his *Etudes sur le Metamorphisme,* showed empirically that certain substances increased their bulk, in the process of alteration by one-third of their original volume; and Mr. Sorby's memoir proves, what was never before suspected, that there is a *direct* correlation between chemical action and mechanical force,, which would amply account for this increase of bulk, as well as (conversely) given out when the chemical affinities become inverted. We may simply state here that Mr. Sorby concludes:—

1. That pressure *weakens* chemical affinity if it acts *against* change of volume.

2. That pressure *strengthens* chemical affinity if it acts *in favor of* change of volume.

3. That chemical action is directly convertible into mechanical force and mechanical force into chemical action, in definite equivalents, according to well-defined general laws, without any intermediate action of heat or electricity.

Conclusions which we think will ultimately lead to the elucidation of the laws that have produced eruptive rocks.—*Mining and Smelting Magazine.*

Progress of Invention.

From the feeble beginning of the savage, rejoicing in the fortunate possession of two old nails, and deriving a sufficient income from letting them out to his neighbors for the purpose of boring holes, down to the true Thor's hammer, so tractable to the master's hand that it can chip without breaking the end of an egg in a glass on the anvil, crack a nut without touching the kernel, or strike a blow of ten tuns eighty times in a minute, we have a steady onward movement. Prejudice builds its solid breakwaters; ignorance, inability, clumsiness and awkwardness, raise such obstacles as they can; but the delay of a century is but a moment. Slowly and surely the waters rise until they sweep away all obstacles, overtop all barriers, and plunge forward again with ever accelerating force. The record of iron is at once a record of glory and of our humiliation—a record of marvelous, inborn, God-given genius, reaching forth in manifold directions to compass most beneficent ends, but baffled, thwarted, fiercely and persistently resisted by obstinacy, blindness and stupidity, and gaining its ends, if it gain them at all, only by address the most sagacious, courage the most invincible, and perseverance the most untiring. Every great advance in mechanical skill has been met by the determined hostility of men who fancied their craft to be in danger. An invention which enabled the hand of iron to do the work of fifty hands of flesh and blood was considered guilty of taking the bread from the thrice fifty mouths that depended on those hands' labor, and was not unfrequently visited with the punishment due to such guilt. No demonstrated fruitlessness of similar fears in the past served to allay fears for the future; no inefficiency of brute force permanently to stay the enterprise of the mind prevented brute force from making its futile and sometimes fatal attempts. It is no matter that increased facility of production has been attended by an increased demand for the product; it is no matter that ingenuity has never been held permanently back from its carefully conned plans; there have not been wanting men, numerous, ignorant and ignoble enough to collect in mobs, raze workshops, destroy machinery, chase away inventors, and fancy that so employed, they have been engaged in the work of self-protection.

Locomotive Fuel From Coal Dust.—In the coal-mines of Charleroi, Belgium, 800,000 tons of coal dust have accumulated, impairing the working of the mines, and M. Dehayain, Jun., and another company are working coal dust. After having it pulverized, and freed of all strange matter by machinery, this dust receives the forms and dimensions best adapted for locomotive engines, by agglomerating 8 parts of coal tar to 92 parts of coal dust. This mixture, heated to 300° or 350,° with superheated steam, becomes a paste, which is mechanically and powerfully pressed into cylindrical or rectangular forms, and, after having been cooled, solid, compact cylinders, of about 5 inches in diameter, and weighing 18 lbs., or prysmatic blocks of about 5½ inches by 7 inches and 12 inches high, and weighing 20 lbs., are obtained. These blocks have very nearly the same density and weight as the solid coal, and they burn without being obstacles to the circulation of air through the grate. This new combustible is warranted not to give more than six per cent of ashes, and is now in great demand by railroad companies, on account of its greater heating power and its being actually cheaper than the black coal. M. Dehaynin, Jun., and the other company, manufacture now annually 255,000 tons of this agglomerate.

PETROLEUM.

There seems to be no limit to the extension of Petrolcum discoveries in the United States. It has already been found extensively in several States. The coal oil range of Pennsylvania has been traced into Western Virginia. It has been found in Michigaa and Kansas. In the last named State, petroleum is found in abundance near Paoli, and along the waters of Wia Creek, which runs through Miami county. The oil found there is pronounced by good judges fully equal to the best that is praduced at Oil City, in Pennsylvania. The oil is found floating upon the surface of the creek, from which it can be *spooned* off. Paoli is about 35 miles from Levenworth. Preparations are being made to sink wells there. In this connection, the following extracts from a report by E. Warner, Esq., of the oil lands of Western Virginia, will be read with considerable interest:

Whatever may be the origin of petroleum, and however geologists may differ on this point, they agree pretty well in this, that the reservoirs of oil have no connection with coal, but lie far below the coal measures. It is generally found, however, on the edge of the coal basins. It comes to the surface through fissures in rocks, forming oil springs, or is collected and confined in cavities and porous sand-rocks, or lime-stones. And where the strata have been much disturbed and overturned the oil has disappeared long ago. But in the great western coal measures, where the strata are nearly horizontal, the oil is preserved, and is at the same time inaccessible, except through accidental fissures.

To reach these oil-bearing sand-rocks is the problem to be solved. The most favorable condition to meet it is where the strata are inclined, say from twenty degrees to thirty degrees, and along the summit ranges of the anticlinal axis, where rocks are upheaved and more or less separated, dipping in opposite directions. These rocks are thus brought nearer the surface, and through fissures thus created the oil escapes, or is reached by boring. In these fissures, gas and oil and salt water collect, and wells of different depths will strike one or the other, or all, according to their location and the direction of the fissure.

The heavy or lubricating oils are found much nearer the surface. They are much more valuable than the illuminating oils, but the latter more than make up in quantity, and are much needed to meet the extraordinary demand which has sprung up, as they have become an article of the first necessity to light the world.

Every Man Makes his Mark.—Every man who comes into the world makes some mark upon it ere he goes to his final rest. It may be a small one—hardly visible to the plodding pilgrim on life's highway—but nevertheless, in the future time it will attest some service done or some duty neglected.

Every man exercises some influence in the sphere which he occupies. No matter how low his degree, how obtuse his intellect, how vile his character, he must make his mark upon the times in which he lives, either for good or ill. If for good, future ages will cherish that index of his existence as they would the autograph of some great conquerer on the world's battle-fields; if for ill, it stands out as a beam and a warning upon the pages of history. Washington made his mark in clear and distinct characters, when he aided in laying the foundation and establishing the character of our Republic, and a nation ponders over it now with reverential admiration. Arnold made his mark in a less distinct character when he would have betrayed the liberties of the colonies; but our nation and the world point to it now, and will point to it in all the future, as a blot upon the escutcheon of humanity, and a stain upon the otherwise fair frontlet of American patriotism.

These are the two kinds of marks which different men make upon the world while mingling in its strifes and labors. Even the babe who lingers but a day upon the borders of Time, ere it returns to the pearly strand, makes its impress upon the world. While it lived, a ray of divinity was lighted, and when it died that ray burned on, as it will continue to do for all time, gilding the rugged ways of life with light, and surrounding the dark places with a holy influence.

The smallest atom of created matter has its place and purpose; so the smallest hand traces on the sands of Time some autograph that waves and tempests can never wash away. Every man has an influence, and it should be his aim at all times so to exercise the power inherent in and radiating from him, as that the world shall be the wiser and better that he has lived, and that future generations, in searching the records of his life, can say, with honest conviction: "There was a man—an honest man—peace be with his name."—*Newark Mercury.*

Copper.—Tho wholo cartb appeare to be more or less impregnated with this beautiful and uscful motal, und the sea contains a notable quantity of it. Copper is in great ubundance in various parts of the British Isles, in Hungary, in Siberia, in Cyprus, from which island it derives its name and whence, no doubt, on aceount of the geographical position of thut island, it was principally procured by the Romans. It is also fouud in China, in Australia, nud in Brazil—in fact almost everywhere. It appears certain, however, that gold and silver were known to the ancients prior to copper. Aecording to Ezra viii. 27, "Copper was as precious us gold." Paul, in 2 Timothy iv. 14, lays n complaint against ono Alexnuder, a coppersmith. Theso are the only instances in which mention is made of this metal in the Holy Scriptures. Copper takes a rank among metals from its peculiur color, which, when pure, is of a rose-like huc. Most metals when they becoue rusty lose their beauty; not so, however, with copper, lor it changes inta various shades, from piak to n beauti ful crimson, as in copper bronze powder, to blue, to green; hcnce the artist takes it as u pigment ta produee upou his canvass "the fields nnd the forest." Ia the metallie stato copper possesses so many useful qaalities that various metal-workers find it of great servico. It bears sueh 'weur aad tear' that it was adopted as money at n very enrly period, aad retuine its good namo to the present timo.

Copper is one of tho best conductors of lightning; henee it will be employed to trane mit "tbe flash" below the restless Atlnatic, in forming the submarine telegrnph betweeu England und America. This metal is eo sonorous that few musical instruments can be made without it. The Haadel organ aad "Big Bea" of Westminster ulike owe their toae to copper. Musiciuas, electricians, artists, and money-makers arc not the only persone wbose "occupatioa would be gone" were it uot for copper. Color makers and dyers are mnch iadebted to it, as well as a host of others who follow the samo trade as "Alexander the coppersmith." —*Piesse's Laboratory of Chemical Wonders.*

Metallurgical Works on a Small Scale.—Tbc Reese River *Reveille* gives the following description of a metallurgical establishment located near the Stranger lode, in Recse River. "A battery of four stamps, constructed upon the plau lately inveated by Mr. H. A. Gaston. It is operated by two men turniag a crank. The etamps can be worked very rapidly but much labor is evideatly lost in tbe moving of the levers that raise the stampers. This would he much more npparent as the size of the machine would be iacreased. Mr. Richards, the owner of the mill, thiaks he can crush about four hundred pouads per day, of ten bours. Following the erushing are the usual settlers frum which the pnlp is takea and amalgamated in varioas ways. A bake oven with mullere nad crank answere for a paa in working on the Washoe principle; n tea gallon keg rigged in approved style, amalgamates after the manner adopted at Freyburg ia Germany, whilo ia nnother place we saw that the Patio proeess wae not aeglected. Mr. Richard appears to be n skillful worker of ores, and we hope bis mill may grow iato maamoth proportions We understand that it is the intention to attaeh the mill to the maehinery of some full grown establishmeat and run it by steam. It would be very useful in each a plaee in prospeeting ores preparatory to their crushing on a larger scule."

Mount Diablo Coal Mines.—The Contra Costa *Gazette* says that n much emaller quantity of coal is aow being taken from the Mount Diablo mines than usual. Tbe cbief cause of the falling off is nttributed to the low price of eoal io the San Franeiseo market. Tho extreme of too low a price follows the extreme of too high a priee by a natural reaction. Lnst winter, coal weat up to thirteen and fourteen dollars. This roused competitiou, nnd merchants ordered large quantities from Australia. If our mines had sold coal at ten dollars last winter, that might have remained the permanent priee and they would not now he forced to lie idle or to sell coal at prices too reduced to be remunerative. The Cumberland mines are still shipping henvily however, under old contracts we believe. They have shipped over two thousand tons during the month of July, and will ship as much more this month. We noticed two or three qualities of eoal at their works, and one kiod that was very solid, heavy and hard, lookiog more like anthracite than bituminous eoal. The deeper the excavation extends dowa, the better is tho character of the coal obtained.

Slaughter of Whales—Monterey Bay ie now crowded with whale of the fin-back species, and the slaughter made amongst them by our whaling companies is immense. Five were being cut up on the 26th.

The fare from Marysville to Reese River is now reduced to $25.

Perhaps So.—The *Atlantic Monthly* says that our boasted nge of inveations turns out, after all, to have been only gathering up what antiquity has let fall—re-discovering and putting to practical account what the past discovered, but could not, or, with miscalled dignity, would not, turn to the uses of common life. Steam carriages, hydraulie engines, diving bells, which we have regarded with eo much complaeency as our peculiar property, worked their wonders in tbo teeming brain of un old monk who lived six hundred years ngo. Printing, stereotypes, lithography, gunpowder, Colt's revolvers nnd Armstrong guns, Congreve rockets, coal gas and chloroform, daguerreotypes, reaping machines nnd tho electric telegrupb are nothing new under the sun. Hundreds of years ago the idea was born, but the world was to young to know its character or prize its service, und so tho poor little bantling was left to shiver itself to death while the world stumbled on as aforetime. How many eras of birth there may have been we do aot know, but it was reserved for our later ago to receive the young stranger with open arms, nnd nourish his infant limbs to manly strength. Richly are we rewarded in the precision and power with which he performs our tasks, in the comfort with which he adorns, aad tho knowledgo with which ho ennobles our daily life.

Swansea Copper Ore Shippers.—We learn from the London Mining *Journal*, that Messrs. Elford, Williams & Co., of Swansea, England, have recently erected extensive wharves and other conveniences, in immediate connection with their Crushing and Smelting Works. These wharves are styled the "Swansea Copper Ore Wharves," nad comprise the newest improvements in this, the staple trade of the port. There is storage accommodation for from 6,000 to 8,000 tons of ore, aad the floors of the wbarves are all chalk and coacrete, thus preventing waste. The yards are all carefully covered in, and every precautioa taken to protect the valuable substance of which the wharves are to be the receptacle. They are situated close to the river-side, aad the machinery for crusbing is so arraaged that the engine hoists the ore oat of the vessel aad crushes it at the same time. The engine aad machinery are new, and of the best possible description, everything having been selected with the view of providing the most perfect facilities for the purposes inteaded. Messrs. Elford, Williame & Co. are well and favorably kaown to many American shippers of copper ore.

Nobleness of Labor.—Labor, for a fair remuneration, whether of the brain or haud, should be the glory of America; besides, there is true dignity in labor, especially in cultivating the soil. The object which the farmer has in view is to eubdue the earth; to eradicate the briars and thorns, and to plaat in their stead what is useful and beautiful to man. "Labor," says a noble worker, "has been made by Nature the law of man's condition. It is the price at which whatever is valuable in life must be earned. Whatever, therefore, degrades labor as the business of life, or renders it distasteful or dishonorable, does violence to our social laws no less than to a wise economy." All improvement—all progress of the race in civilization—has been the result of intelligent labor. It has built our cities, dug our canals, constructed our railroads, developed our lead, copper and iron mines, built our steamers and ships, given life and energy to the industrial arts, and above all, is feeding and clothing our people and providing for their happiness. "The nation," says Dr. Samael Johnston, "that can furnish food and raiment, those universal commodities, may have her ships welcomed at a thousand ports, or eit at home and receive the tribute of foreign countries, enjoy their arts or treasure up their gold." Let all labor, therefore be crowned with honor—that labor, especially, that contributes so much to the welfare of man.

Singing at Work.—Give as the man who sings at his work! Be his occupation what it may, he is equal to any of those who follow the same pursuit in sullen silence. He will do more in the same time—he will do it better—he will persevere longer. One is scarcely sensible to fatigue, when he marches to music. The very stars are said to make harmony as they revolve in their spheres. Wondrous is the strength of cheerfulness—altogether past calculation its powers of endurance. Efforts, to be permanently useful, must be uniformly joyous—a spirit all sunshine—graceful from very gladness, beautiful because bright.

A coal company was organized in Philadelphia last spring, and the net earnings for the months of May and June were upward of one hundred and twenty thousand dollars, from which they have just declared a dividend of $90,000. That company might afford to sell their coal a trifle lower—but they won't.

The Great Twenty-Inch Gun, about which so much has been said of late, and which it was feared would be too heavy to be transported on the trucks which had been prepared for it, has finally been taken safely from Pittsburg to Philadelphia, as appears by the following from the Philadelphia *Enquirer*:—

"The monster Union gun, recently cast at Pittsburg, and about which so much fuss has been made in the newspapers, arrived here yesterday by railroad, and was housed in the Pennsylvania Railroad workshops. A large number of people visited the gun during the day; and it formed the staple for conversation all over the city. The bore is twenty inches in diameter, and the whole weight of the gun is one hundred and sixteen thousand four hundred and ninety-seven pounds, (116,497 lbs.) The mammoth trucks used in the transportation of this gun, were constructed by the Pennsylvania Railroad Company, at their Altoona shops. It was at first thought that no trucks could be built strong enough to bear the immense weight of the gun; but the fact of its safe arrival here is a sufficient refutation of the assertion. It will go to New York via the Allentown route to-day."

Traveling Bottles.—Captain Beecher, editor of the English *Nautical Magazine*, has compiled within the last ten years the following curious voyages of bottles thrown into the sea by unfortunate navigators: A good many bottles cast into the sea next to the African coast, found their way to Europe. One bottle seems to have anticipated the Panama route, having travelled from the Panama Isthmus to the Irish coast. Another crossed the Atlantic from the Canaries to Nova Scotia. Three or four bottles thrown into the sea by Greenland mariners off Davis Straits, landed on the northwest coast of Ireland. Another one made a curious trip—swam from the South Atlantic Ocean to the west coast of Africa, passed Gibraltar, went along the Portuguese coast of Fraace, and was finally picked up on Jersey Island. One bottle was found after sixteen years' swimming, one after fourteen, and two after ten years. A few only travelled more than one year, and one only five days. This was sent off by the captain of the Race Horse, on the 17th of April, in the Caribbean Sea, and was found on the 22d, after having gone through three degrees longitude (two hundred and ten miles,) western direction. Capt. McClure, of the Investigator, threw a bottle into the sea in 1850, on his way to Behring's Straits. It swam three thousand five hundred miles in two hundred days, and was picked up on the Honduras coast.

Steel Pens.—Who does not remember the time when a steel pen cost as much as a dozen quills? Who is ignorant of the marvellous reduction that has taken place in the market value of these tiny bits of steel? Sixpence a piece, sixpence a dozen, sixpence a gross—thus have they come down in value. All this could not have been done but for the application of machinery. Men's hands employed in cutting and pressing and shaping the pens, would never have permitted this cheapening to such an extent. And yet there are actually more men employed in the manufacture than were employed when machinery was less used. The machinery, in fact has created a demand, which requires large numbers both of machines and men to supply. Some of the steel pen manufactories of Birmingham are very large establishments, containing ranges of highly finished machines, and giving employment to large numbers of workmen. One of these manufacturers, in his advertisements, states his yearly produce at *millions of dozens;* and there is no reason to doubt that it does reach that extraordinary pitch.—*The Land we Live In.*

What Science is Doing.—A correspondent of the *Call* says: "The man who condenses milk, coffee, etc., for the army, by reducing to a paste which will keep forever, take up little space, and be instantaneously convertible by means of water into the purest form of the expanded article, is doing something new now. He condenses apple-juice into a paste. You can thus carry in your hand what, at will, you can metamorphose into a gallon of capital and pure cider. This paste makes a charming drink. He is also about to condense the juices of other fruits, so as to make them available at any season. And talking of condensing, I saw hay pressed by a new process the other day; a ton of hay was made to occupy only the space of a barrel! Really, if this system of condensation be carried out, bulk will be nothing by and by. We may go in three months' tour and carry our 'luxuries of the season' all the time in our pockets. Huzza for science!"

It has been esteemed a matter of great praise in the family of the Quintii, that they never possessed gold. A great many families are entitled to that praise in these days.

Quartz Gold Mining in Australia.—A letter from Australia, to an English paper, speaks as follows of gold quartz mining in that country:—

From the gold fields satisfactory accounts are still received. Tarrengower still keeps up its name for large yields. A lot of forty-five tons, crushed by the Enterprise Company, is reported to have yielded 412 oz. 12 dwts. Twenty-five tons from Wilson's Reef averaged 4 oz.; and twenty-one tons from Braithwait's Reef nearly 5 oz. to the ton. A new rush has taken place to Dunolly, which promises to do well. Several small nuggets have been found. At Raywood a crushing of forty-two tons of stone is said to have yielded 219 oz. 12 dwts. of gold. Twenty-one tons from Lisle's Reef, Muldon, were lately crushed from the Monitor claim, which resulted in giving 13 oz per ton. At Daylesford, the Union Gold Mining Company washed 41 oz. of gold from a bucketful of wash dirt. A party of miners possessing a 'road claim' in High street, Saadhurst, have obtained gold to the value of £3,000 in a few months. Several other parties are doing equally well at Ballurat; two anggets were found by some Chinamen, one weighing 40 oz. and the other 28 oz. For the past quarter the Kohinor Company, Ballarat, obtained 7,826 oz. 3 dwts. of gold, and had paid dividends to the amount of £580 per fortieth share. I see by the Surveyor's report for the quarter that mining plant to the value of £1,448,301 was estimated as being in use, and that auriferous ground to the extent of 711½ square miles was embraced within the area of the diggers' operations. The total number of miners was 83,551, of whom 45,047 were European, and 23,396 Chinese—workers in alluvial; while in quartz there were 15,089 European and 13 Chinese. Nothing new has been heard from the Gipps' Land Reefs for some time.

More Gold.—One day this week, Cherley Barber was leveling a spot on which to erect a house, when it occurred to him that there was gold in the clay. He tried a panful, and got a good prospect. Tried more, with a like result. He then rigged a rocker, and at last accounts was making a very industrious Chinaman of himself. He was going it alone, and running three shifts—two more than usual. We have seen some of the gold, which much resembles the Jordan Creek gold.—*Humboldt Register.*

Eighty immense guns are about to be manufactured at M. Krupp's celebrated foundry in Prussia. They are for the Russian Government, and will be mounted at Cronstadt. They will carry a ball of two hundred pounds weight, which will perforate a four-inch plate at the distance of three miles. Extraordinary preparations for their casting are in progress at an immease building, which contains fifty steam engines. The hammer to be used weighs 200,000 pounds, and the anvil will be of corresponding weight.

To Renner the Taste of Medicine Palatable.—It has been ascertained by M. Graw that the nauseously bitter and nauseous taste of many drugs may be completely disguised by mixing them with chloroform. It is claimed that even the bitter taste of quinia and the peculiar odor of asafœtida can be thus destroyed.

In France, the waste steam from the locomotives is made to heat the cars in the train behind. It is conducted from the escape pipe through tubes, which inside of the cars are made of copper, but outside are of vulcanized india-rubber, with couplings which can be readily managed.

The Value of Advertising.—One firm alone in the city of London spends $30,000 every year in advertising, and another large establishment that had expended upwards of $40,000, reduced it (on the introduction of a partner, and by his advice,) to half that sum, when their receipts immediately dropped off in the same ratio. They have since gone back to the original expenditure, and their business is again flourishing.

Sometimes there are living beings in nature as beautiful as in romance. Reality surpasses imagination; and we see breathing, brightening, and moving before our eyes, sights dearer to our hearts than may we ever behold in the land of sleep.

Candidates.—John A. Collins, Henry Edgerton, Charles DeLong and Wm. M. Stewart, are candidates to represent Nevada in the United States Senate when she becomes a State. There is now scarce a doubt that the State Constitution will be adopted at the approaching election in that Territory.

Cotton has made the fortune of Dundee. Jute, an East Indin product, has now become its staple manufacture, with great profit. It is a good substitute for cotton in many articles. A gentleman in Dundee has succeeded in inventing a bleaching process which will render the article for many uses an excellent substitute for silk.

Mining and Scientific Press.

W. B. EWER.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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San Francisco:

Saturday Morning, Sept. 3, 1864.

FINANCIAL.

Rather more activity prevails in the money market and a good demand exists without any augmentation as yet in the rates of interest in Bank for choice mercantile paper or upon other prime securities. The late decision of the Supreme Court, setting at rest the validity of our Specific Contract Act, has been productive of good in many respects, but we can perceive no greater ease in fiscal matters since this opinion was given to the public; and the capital it was supposed would be liberated thereby, has not made its appearance to any appreciable extent. There would seem to be no dimunition in the volume of money available for loan purposes, on the contrary, the probabilities are that it has increased and yet the demand for money this week is greater than for some time past and applications in Bank are very numerous.

Money lenders were obliged yesterday to refuse facilities to many parties who are ordinarily not denied a certain line of discount and in the open market rates of interest were ranging from 2 to 4 per cent. per month. Remittances from the country come in slowly and a good deal of complaint is made by the merchants of the poverty of their interior customers.

Receipts of Treasure from the north Coast since last steamer day amount to over $700,000 and from California and Nevada Territory some $1,500,000 has been received.

A fair business in Eastern Exchange was transacted yesterday. Currency Bills were drawn from 130 to 135 premium on gold and Telegraphic Transfers were sold at former rates, 5½ ₱ cent. premium. Drafts payable in coin were sold at 3½ and 4 ₱ cent. premium.

Legal Tender notes have been exceedingly active this week and heavy transactions have taken place at rates advancing from 39 to 45 and declining to about 41. Later telegraphic advices from the East quote gold at 248 under date of Sept. 1st.

BASKET MAKING.—An emigrant party which lately arrived at Grass Valley, near Austin, Reese River, being nearly destitute and wanting employment, which they were unable to obtain, and understanding the business of basket making, attempted it with the willows that grow in profusion in that locality. These were found to be of a superior quality of basket willows, and the baskets manufactured are beautiful specimens of handiwork, selling readily in that market, and at prices remunerative and very satisfactory to the ingenious manufacturers.

WOMEN AS BARBERS.—A barber in Bangor, Maine, has introduced female assistants, and says they prove very dexterous and efficient. If the innovation should spread, it will head off the board movement, and hirsute appendages will soon become unfashionable.

A BIRD'S EYE VIEW OF BUSINESS.

The business of this week has not wound up satisfactorily to the mercantile interests. Early in the week trade was dull and quiet, but at the close matters seemed to loom up a trifle with some round operations consummated in Rice Syrup, Sugar, etc.

The shipping trade is still quiet; the arrivals have been numerous from both foreign and domestic ports. Imports have been large and stocks of merchandize in warehouse, both bond and free, are becoming rather burdensome. Still we ought not to complain, as our aggregate exports of merchandise have been large, we have also sent more or less silver and copper ore abroad, and at this writing there are two vessels now in the stream about ready to sail for China with upwards of $600,000 on board, mostly in silver bullion.

Operations in Rice have been to the extent of 10,000 mats at $6.50 for Siam, $7 for Patna and $8 ₱ 100 lb for No. 1 China.

San Francisco Golden Syrup to the extent of 25,000 kegs of 5 gallons each, have been placed at agents' reduced rates. Crushed Sugar at the close, owing to the withdrawal of the San Francisco and Pacific Refinerys from the market as sellers, has been advanced to 16 cts. ₱ lb.

The Tea Market, previously dull has been far more so, ever since the arrival of the Emily Banning with Invoices from Japan, which it is expected will soon be offered at auction.

Provisions, Pork, Lard and Butter have all risen in value, during the week. Isthmus Butter rules at 32½ cents per lb., Lard $15 and Pork at $22, for Prime $25, for Mess and $26 for Clear. Flour remains at $9.50 for Superfine, $10.50 for Extra. Wheat ranges from $3.25 to $3.50. Barley sells at $3@$3.15 for new, old $3.35 per 100lbs. Oats $2.50@$2.80 Potatoes 4c. per lb. Hay $23@$28 per ton. Bran $40@$42. Wool 20@24c. for Oregon Fleece—California 22c. per lb. Dry Hides are dull at 10@11c.

THE MECHANICS' INSTITUTE PAVILION FOR 1864.—Our lithographic view of the Pavilion upon Union Square is now ready and for sale. Mechanics and tradesmen throughout the city will do well to secure a copy of this fine picture, and thus preserve to their sight and memory a correct representation of this mammoth structure, which in after times will be so blended with the mechanical progress of our city and State. The picture has been prepared in the finest style of the lithographic art, enlivened with a large number of characters, some of whom will be well known at sight by most residents of the city. Price of single copies $1.

THE THREE PAVILIONS.—We have deemed it a matter of sufficient interest to our readers to give in our present issue, for permanent record, a correct illustration of each of the three pavilions which have been erected by the Mechanics' Institute of this city, for the convenience of their several Industrial Exhibitions. They will be found upon our first page, (the third pavilion being in the head of our Fair paper,) and will be recognized by all familiar with those structures, as correct representations.

FINE ORE.—Quite a number of sacks of what appears to be very fine ore, said to contain gold, silver and copper, has been piled up against a lamp post on Montgomery street, near Clay, for several days during the past week. We understand that it is from the Open Sesame mine, Mount Diablo. To all appearances such ore would do credit to some of the first class mines in Washoe. The company, from whose mine it was taken are about putting up a mill. They are taking out a large quantity of similar ore.

MARKET STREET IMPROVEMENTS.—We notice a large lot of cut granite curb stones strewed along on either side of Market street, between Second and Third. This appearance would indicate that the proper authorities had finally decided to put in order one of the worst conditioned, yet the most frequented thoroughfares in the city.

EASTERN FINANCES.

At the date of our last mail advices from the East, August 3d, received per steamer, a more cheerful feeling seemed to prevail, and people of all parties were canvassing together the situation of political, military and financial affairs, with far less of disagreement, and with a calmer tone than at any previous date for many weeks. The new Secretary of the Treasury, Mr. Fessenden, had gone to Boston, and was to go hence to Portland, on a brief visit to his home. A good deal of confidence was beginning to be felt in the financial policy of the Secretary. The large subscriptions throughout the North to the new 7-30 loan, afford ample evidence of this, and indicates complete success and speedy absorption. The people appreciate the fact that they have no clearer or more imperative duty than to sustain the national credit, and the alacrity with which the appeal of Mr. Fessenden was being responded to, warrant us in believing that the financial measures of the Government are likely to assume a more satisfactory condition than for some time past. The U. S. Sub Treasurer in this city, D. W. Cheesman, has been authorized to receive subscriptions to the new 7-30 currency loan. Thus far the deposits have not been as large as was anticipated, but the recent advance at the East in all Government securities may stimulate deposits of greenbacks here, in exchange for these bonds. For purposes of remittance East in lieu of Legal Tender notes, at the present market value of the latter, the exchange would be a desirable one.

FAY'S MOVEABLE BREASTWORKS.—We understand that Mr. Fay, the inventor of the moveable breast works, about which so much has been said of late, has completed his joint stock arrangements and will leave for the east on the steamer to-day. Mr. F. will take with him letters that will ensure for him and his invention a favorable reception. There are many in this city who are especially desirous that the invention should have a fair trial before the enemy. Col. Benoist, an old Indian fighter, who has seen at least thirty fights with the Indians, says it will be invaluable against the savages, and increase any force which may be fully equiped with them, two-fold. For many classes of work it appears as though it must be almost indispensable. For advancing on rifle pits, for defence in digging rifle pits in face of an enemy, for holding bridges and narrow passes, for driving in pickets, and for sudden dashes on artillery, it must prove of great value. We trust it will be allowed a fair and full trial.

INCORPORATED.—The Attica and Esperanza Gold and Silver Mining Companies have filed their articles of incorporation in the office of the County Clerk. Capital stock of the Attica is $240,000; that of the Esperanza, $200,000. Also, the New York and Arizona. Capital stock, $1,000,000. Trustees: Thomas N. Starr J. B. Beers, Leander Ransom, N. T. Brocklebank and Wm. Holdredge.

EFFECTS OF THE RAIN.—Steamboat men engaged between Sacramento and Marysville say that the water in the Sacramento rose soon after the late rains to the extent of fifteen inches. This proves that immense quantities of rain fell along the country north of the American river, sufficient to swell the stream from Bear river up. The streams generally, throughout the State, were similarly affected, and much damage was done to river operations. The ditches, however, were generally pretty well filled; but the supply could only have been temporary.

THANKS.—We are under many obligations to D. O. McCARTHY, Esq., the gentlemanly and enterprising publisher of the *Daily American Flag*, for favors which enable us to promptly present our readers with the eloquent and able address of Mr. Conness, delivered at Platt's Hall, last evening, preparatory to the opening of the exhibition of the Mechanics' Institute. The *Flag* was ahead of all its neighbors in the publication of the address.

DECEASE OF PAUL TORQUET.—In the recent decease of Paul Torquet, Esq. our city has lost one of its most estimable citizens, and a blank is left in the community which few can fill. Paul Torquet was a man of large and most varied practical information. His influence upon the mechanical interests of our city and state, was second to none. For fully twelve years he has been closely identified with the development and growth of our California system of mechanics; an interest which has been and, to a great extent, still is, an experimental one. No man has studied more deeply into our mechanical wants, watched more patiently their gradual development, or contributed more effectually to their necessities than Mr. Torquet. As a consulting engineer his theoretical knowledge, combined with his long and observant practical experience rendered his counsel highly valuable. As a man and a citizen he was ever at his post, ready and able to do his duty. In his domestic relations he ever maintained the same equable temperament which always characterized all his business relations. Though cut off in the early prime of manhood, his numerous friends think of him with an affectionate esteem in which respect not untinged with the veneration felt for older men largely mingles. While they remember him as a simple and earnest son of science—a model of perseverance, and steadfast, contented industry, and a modest, frank and amiable gentleman—they will cherish his memory yet more because of the beauty of uprightness which was illustrated in his life.

THE YELLOW JACKET COMPANY, says the Virginia *Enterprise* of the 23d inst., has just struck a vein of splendid blue sulphuret ore. It assays about $300 per ton, and will yield, by mill process, quite as well as any of the Gold Hill mines. The streak of ore is some ten feet in width. Two mills are already being supplied from it with ore for crushing. The Yellow Jacket will now take rank with our paying mines.

THE CAMANCHE.—Work is still rapidly progressing upon the Camanche. Some two hundred and fifty men are constantly employed in the various departments of the work. The turret machinery is nearly all in place, and also the machinery for raising and letting go the anchor without any exposure of life. The hull is so nearly completed that water will be let into it to-morrow, or Monday, to ascertain whether it is tight. The deck is being put on, and a large portion of the heavy oak timber which is designed for a portion of the side armor is on, and firmly bolted to the hull.

FROM THE NORTH.—By the arrival of the Sierra Nevada, on Tuesday, we have dates from Victoria to the 23d, and from Portland to the 27th. She brings $155,910 in treasure—$144,910 from the latter port and $11,000 from the former. The Victoria papers continue to give favorable reports from the Sooke mines. "Big Strikes" are reported, and are gotten up in the best sensational style. Accounts by way of Oregon are not so favorable—in fact are quite discouraging with regard to the extent and average richness of these mines. The facts with regard to these mines will soon be made known through disinterested channels; until that time our miners will do well to remain quiet where they are, and remember "Frazer."

LARGE SALE OF MINING STOCKS.—It was rumored some time since, says the Aurora *Daily Union* of August 25th, that James Stark and others had effected a large sale of Bodie stock, in New York, for an immense sum in greenbacks. The report was generally disbelieved, but now the deeds and papers have arrived from New York, to be recorded in Mono county, California, where the mines are situated, and we suppose all doubt in relation to the genuineness of the transaction is at an end. We saw the papers in Wells, Fargo & Co's office last evening. The amount of stock sold is thirty eight thousand one hundred feet, comprising over a dozen of the principal claims in the Bodie district, and the consideration mentioned in the deed is "ten million dollars." It is not probable, however, that the above sum actually changed hands, as the revenue stamps on the deed amount to only $1,000, which, according to the revenue law would make the consideration $1,000,000.

Pundit on the "Mathematics of Mining."

EDITORS OF MINING PRESS:—In our late entertainment of the proverbial fortunes of silver mining we had much of the problematical and the intangible kindly proffered us in return for mysteriously disappearing assessments—such as figures of speech for dividends, and an abundance of that sort of mining that foots up its profits by lawyers fees in subtraction, officers salaries in multiplication, and compound rascalities in addition. Anything at the present time tending to show up mining on the square, or to give definite symbols to the arcana of stocks or shippers must be, as a natural consequence of the sacrifices of the past, hailed with a furor of joy. What share of this feeling was my own, when I first noticed in the PRESS the announcement of a forthcoming series of articles and shortly after saw the initiatory number under the promising designation of "The Mathematics of Mining," I leave unrecorded. I felt, at least, that an investment of time in the perusal of the said articles would yield the selfish interest of an individual gain. Mathematics being the science of exactness, I of course expected an approximate correctness in the treatment of the facts interwoven with the subject. Let us see how reliable these are.

Mr. Easton, almost at the beginning, gives us a classification of the rocks accompanying mineral veins; the designations are apparently new and different from those mentioned in mineralogical or geological text books, and sanctioned by common use and high scientific authorities. The originality which seeks to change the nomenclature of a science should present very strong and conclusive reasons for the desecration. I fail to learn from Mr. Easton's article, or any esteemable work of a recent date, what "talcose trap" really is, although I know that he gives this name to what I had supposed to be serpentine. Nor does he state the exact quality of "granitic trap." Elsewhere he has told the public, while demonstrating the perpetuity of the Gould & Curry mine—to his own satisfaction at least—that its wall rock is "granitic trap." Granite is generally claimed to consist of quartz, mica and feldspar, and how a rock containing neither of the two former materials can be called granitic, passes my comprehension. As a felspathic base impregnated with crystalline aggregates of hornblende, I should call it a greenstone porphyry.

Mr. Easton seems to have a special fondness for the term "trap" and has very awkwardly "put his foot in it." He uses the word in a generic sense, though not without informing us what "trap" is in reality, but at the same time stating that there *is* "trap" which is *not* "trap;" or in other words volcanic rocks, which have not the step or stair form of creation or cleavage. Yet, he persists, contrary to all scientific usage, in calling all such erupted rocks "traps." Marble, a carbonate of lime, easily converted into quicklime, and in no respects dissimilar to that which often by perceptible stages is traceable as a portion of a highly fossiliferous formation, he calls a "true trap," and declares that it is of volcanic origin. If he can establish this to be the case he will have revealed a scientific discovery of vast importance, as effecting our views of the earth's interior elements and volcanic productions. No geologist within my recollection has deemed marble to be aught else but a metamorphosed limestone. The presence of carbonate of lime in erupted masses, in any other state than minute divisions has hitherto remained unsuspected. The facility with which our mathematical friend disposes of the generally supposed character of this rock, is only excelled by the slightness of the argument by which he accomplishes his object. It has, he says, "the true volcanic dip," and why not, if as he avers, it is flanked on one side by micaceous rock (mica-slate?) and on the other by granite. If the limestone sediment was compelled to conform with the dip of its granitic trough, does that indicate that it was belched forth from the interior earth?

He affirms that no one for a moment supposes the overlying micaceous rock to be sedimentary. Now, this statement is directly contrary to known facts, for sandstone has been found passing by gradual stages into mica slate. On a par with his knowledge of the origin of marble is Mr. Easton's statement that carbonate of lime accompanies the Newton copper vein, on its hanging wall, when a little mineralogical knowledge would have shown this mineral to be talc clay, similar to tailors chalk. Again, he bedecks the clay slates of California with the nomenclatural trappery of "black trap," for the same reasons given concerning the marbles, with the additional information, that clay slates belong to the anthracite coal, and are only found in a particular location in the sedimentary series, and more limited than those called "black traps."—Shades of Humboldt! are there then no massive formations of clay slate unconnected with anthracite coal, and has this more learned and enpahle stroke of the pen blotted out pages of your lahorious "treatise on rocks," proven your geological ignorance in describing the peculiar metalic formations of Mexico, South America and Europe, and disclosed the a, h, c's, of knowledge to the arrogant spirits of your scientific compeers?

Mr. Easton says that the persistent fact of quartz lodes being found nearest the surface on the summits of hills is one of the strongest proofs of the volcanic origin of quartz ledges; and why? "because the upthrow of the ledge makes the hill." Is not that a precious piece of reasoning in a circle! The quartz is of volcanic origin, because it is on top of a hill, and the hill is there because quartz is of volcanic origin. Now, is it not perfectly reasonable that ravines and sags of ground should be formed, as nine tenths of the geologists believe they are, by aqueous agency, where the hed rocks are most shattered or rotten or least siliceous. But instead of being upon the extreme summits of hills, quartz lodes occur either on their flanks or lower slopes. The "Allison Ranch" lode was found in the bed of a creek, the "Union" copper lode at the foot of a mountain, and hundreds of others in positions but little elevated above the general level of the surrounding country. Water courses appear to have cut intercepting quartz veins where least stable in character, and in some cases left deep deposits of earth, rendering the more elevated exploitations the surest of success in finding an unbroken and largely defined portion of a lode. Mr. E. makes use of the qulification "hills in the course of a lode"—generally small affairs, and if quartz is thus limited in its lifting powers among the surrounding rocky Titans, it cannot make half as good a "raise" as the wild cat stock sired by it.

Having consumed a certain limit of time in noticing these mathematical vagaries I shall postpone further comment for another communication on the subject, unless in the meantime mother nature should pack up her "traps," and thereby leave a huge vacancy in the *terra firma* of California. PUNDIT.

GOVERNMENT is constructing a wharf half a mile long at City Point, for army purposes.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

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Dane, Esmeralda, $1.....Aug 13—Sep 9*
De Soto, Star, $2.50.....Aug 27—Sep 12
Daniel Webster, Devil's Gate, $10.....Aug 24—Sep 7
Del Norte Comstock, 25c.....Sep 18—Sep 30
Dancy.....Quarterly Meeting Sep 5
Dacota, R. R., $1.....Sep 28—Oct 14

Eldorado.....Annual Meeting Sep 16*
Eagle Quartz, Amador co., $2.....Sep 10—Sep 26*
El Taste, Mex., $2.....Sep 20 Sep 30
El Toro, Mex., $2.....Sep 3—Sep 13
Eureka, Coal, Alameda co., $1.....Aug 16—Sep 8
Eyla, Summit, 50 c.....Sep 5—Sep 18
El Alamo de San Antonio, Lower Cal., 50c...Sep 10—Sep 24
Eclipse, Tulare co.....Annual Meeting Sep 5
Eureka & Elizabeth Cons., Cal Co.....Annual Meeting Sep 6
Esperenza, San Luis Obispo, Sp. Meeting Sep 20 S. L. Obispo
Eclipse, R. R.....Annual Meeting Sep 6
East Range, Humboldt, $8.....Sep 25—Oct 16
El Tesoro, Lower Cal., $3.....Sep 26—Oct 10
Evening Star, Humboldt co., $1.50.....Sep 17—Oct 1

Fairview, Copper, Calaveras co., 40c.....Sep 10—Sep 26*
Franco Americana, San Antonia, $10.....Sep 2—Sep 13
Figaro, San Antonio, 25c.....Aug 27—Sep 8
Florida, Lander Co., $5.....Sep 6—Sep 20
Fork, 25c.....See 29—Oct 15

Gen. Jackson, Devil's Gate, 50c.....Sep 24—Oct 8*
George Washington.....Annual Meeting Sep 17*
George Washington No. 2.....Annual Meeting Nov 17*
Gold Rock, Calaveras co., 50c.....Sep 10—Sep 26*
Good Hope, Alpine, 75c.....Aug 27—Sep 10*
Great Western, Keyes, Mono co., $1.....Sep 24—Oct 8*
Good Return, Cons., Tulare, $1.....Aug 24—Sep 10*
Gobernadora, Lower Cal., $1.....Sep 3—Sep 17*
Guadalupe del Aguajito, 50c.....Aug 20—Sep 6
Golden Rule, Tuolumne, 50c.....Aug 25—Sep 14
Great Central, Smoky Valley, 50c.....Aug 29—Sep 10
Goodwin, Simpson Park N. T., $1.....Sep 7—Sep 22
Green, Gold Hill, $1.....Sep 8—Sep 24
Gold Canon Cons., Gold Hill, $2.....Sep 24—Oct 8
Gov. Nye, Alpine co., 50c.....Sep 24—Oct 8
Gold Hill Tunnelling, Gold Hill, $1.....Aug 13—Sep 5
Great Cons. Boise, Idaho, $1.25.....Sep 7—Sep 17
Guadeloupe de los Angelos, $1.50.....Sep 2—Sep 12
Gov. Seymour, R. R., $2.....Sep 26—Oct 8

Honest Miner No. 2, R. R., 62½c.....Sep 3—Sep 17*
Holcombe, R. R. Lander co., $1.....Aug 6—Sep 5*
Heidelberg, Marin co., 10c.....Aug 20—Sep 6*
Henry & Barnard, Weaver, 10c.....Sep 3—Sep 19*
Hale & Norcross, $25.....Aug 22—Sep 7
Hornitos, Hornitos, $1.....Aug 24—Sep 6
Hornitos, Mariposa, 75c.....Aug 24—Sep 6
Humboldt Canal, Humboldt co., $3.....Sep 17—Oct 5
Humboldt, Sierra District, $2.....Sep 30—Oct 19
Harmon, El Dorado co.....Annual Meeting Sep 5

Illinois, El Dorado Canon. A. T., $2.....Oct 1—Oct 17*
Illinois.....Annual Meeting Sep 19*
Imperatrice, Santa Fe, Lander co.....Aug 13—Sep 15*
Illinois, Smoky Valley 50c.....Aug 13—Sep 2*
Iowa, Virginia, $5.....Aug 19—Sep 5
Iowa, Esmeralda, $1.....Sep 5—Sep 22
I X L, Alpine co., 75c.....Sep 10—Sep 21
Iron Clad.....Annual Meeting Sep 12
Isabella.....Annual Meeting Oct 1

Josephine, Coso, 50c.....Aug 31—Sep 12
Jewett, Gold Hill, $1.....Sep 21—Oct 6
Jewel, Devil's Gate, $1.....Sep 21—Oct 4

Kate Lamar, R. R., 50c.....Aug 27—Sep 16*
Keokuk, Contra Costa, 15c.....Aug 27—Sep 10*
Kanaka Quartz, 25c.....Sep 19—Sep 30
Kentucky Copper, Madame Felix, 50c.....Oct 3—Oct 22
Kohler Bros., San Antonio, Mex., $1.....Sep 29—Oct 13

Logan, Arizona.....Annual Meeting Sep 25*
Libertad, Mexico, $5.....Aug 27—Sep 8*
La Candelaria, San Dimas, $2.50.....Sep 21—Oct 8*
La Libertad, Cacachillas, L. C., $1.....Sep 3—Sep 17*
La Travinta, Calaveras co, 50c.....Aug 29—Sep 3*
Louisiana, R. R., $1.50.....Sep 12—Oct 1
Lady Bryan, Flowery, $3.....Aug 24—Sep 10
La Blanca, Sonora, $2.50.....Aug 22—Sep 5
Latrobe, Virginia 50c.....Sep 1—Sep 15
Lady Bell, Low Divide, 20c.....Sep 1—Sep 14
Lojus, Gopher, 25c.....Aug 31—Sep 17
Lily of the West, Esmeralda, 50.....Sep 14—Sep 25
Las Chuneas, Lower California, $50.....Sep 20—Sep 30
Legal Tender, Lander co., $1.....Aug 9—Sep 24
La Fernandez, Hermosillo, Mexico, $2.....Sep 26—Oct 11
La Blanca, Ures, $2.50.....Sep 26—Oct 7
Las Cruzecitas, San Xavier, $5.25.....Sep 26—Oct 8
Laura Johnson, Los Angeles, 50c.....Oct 4—Oct 19

Mechanics', Clayton, 5c.....Sep 24—Oct 8*
Mammoth.....Annual Meeting Sep 9*
Maryland, Santa Fe, Lander co.....Aug 13—Sep 15*
Mount Washington, Devil's Gate, $2.....Aug 26—Sep 3
Maggie, Lander co., $5.....Sep 0—Sep 29
Mt. Zion.....Annual Meeting Sep 3
Musidora, San Antonio, 50c.....Sep 3—Sep 17
Monte Cristo.....Special Meeting Sep 13
Maria, Chihuahua, 75c.....Sep 24—Oct 8
Monte Cristo, Virginia, $1.50.....Sep 28—Oct 14
Maria, Lower California, $3.....Sep 24—Oct 8
Manzanilla, Sinaloa, 25c.....Sep 24—Oct 7
Mina Prieta, Ures, $10.....Sep 23—Oct 5
Manchester, Monitor.....Annual Meeting Oct 3

New Era, Cop., Tuolumne co., 50c.....Sep 24—Oct 10*
Napa.....Annual Meeting Sep 12*
North Star, R. R., $2.....Aug 20—Sep 2
New York Quartz, El Dorado co., $1.25.....Aug 20—Sep 2
New Year Diggings, Tuolumne $1.50.....Sep 6—Sep 17
North Potosi, Virginia, $12½.....Sep 8—Sep 20
New England Cons., Santa Catalina, 5c.....Sep 16—Sep 26
New Hope, Lander co.....Annual Meeting Sep 5
Nuestra Senora de Guadaloupe, Mex. $1.....Sep 23—Oct 8

Ossipee, Eldorado co., 5c.....Aug 27—Sep 13*
Oak Flat Quartz, Sierra co., 20c.....Aug 30—Sep 13
Ontario, R. R., $6.....Aug 31—Sep 14
Owens River, Inyo, $3.....Sep 13—Sep 24

Porter, Virginia, N. T., $5.....Aug 27—Sep 10*
Palma, Sonora, Mex., $1.....Aug 27—Sep 10*
Pena Silver, Lower California, $3.....Aug 20—Oct 1*
Paris, Gold Hill, 50c.....Aug 13 Sep 3
Planet, Arizona, 50c.....Aug 23—Sep 7
Peninsula, San Antonio, $10.....Aug 25—Sep 9
Plumbago, Sierra, $1.....Sep 3—Sep 17
Prima Donna, D. G.....Annual Meeting Sep 7
Peytona, Virginia, $1.....Sep 12—Sep 30
Pacific, Esmeralda, 50c.....Sale Sep 15
Providential, Lander co., $3.....Sep 15—Sep 30
Phœnix, R. R., 50c.....Sep 3—Sep 15
Patrocina & Dolores, Mex., $2.....Aug 13—Sep 5

Rose Linda, Alpine co., 50c.....Sep 30—Oct 10*
Rosario and Carmen, $1.....Aug 20—Sep 2
Roach, Mono co.....Annual Meeting Sep 1
Rhodes Diggings, Sacramento co., $1.50.....Sep 10—Sep 24
Reingio, Chihuahua.....Annual Meeting Sep 8
Real del Monte, Esmeralda.....Sale Sep 5
Rising Sun, Clayton, 20c.....Aug 21—Sep 21
Rising Sun, Clayton.....Annual Meeting Sep 5
Roxby, Gold Hill, 50c.....Sep 21—Oct 3
Reese River Enterprise.....Aug 23—Sep 3

Scottie, La Paz.....Annual Meeting, Sept 27*
Santa Cruz, Petroleum, 12½c.....Sep 26—Oct 10*
Sierra Nevada, Sierra co.....Annual Meeting Sep 12*
Salamander, Calaveras co., 10c.....Sep 17—Oct 4*
San Francisco, Moss Ledge, S. F. Dis., A. T. $1..Sep 17—Sep 28
Sierra Nevada.....Annual Meeting Sep 12*
Silver Creek.....Annual Meeting Sep 17*
Silver Prize.....Annual Meeting Sep 20*
Silver Prize No. 2.....Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1.....Sep 10—Sept 25*
Santa Maria, Santa Fe, Lander co.....Aug 13—Sep 15*
Sierra Nevada O. Q., Sierra co., 50c.....Sep 3—Sep 17*
San Marcial, Sinaloa.....Sale Sep 5
Salambo, Tuolumne co., 50c.....Aug 16—Sep 3
Siempre Viva, Sinaloa, $2.50.....Aug 20—Sep 3
Santa Teresa de Jesus, Cucurpe, Mex., 50.....Aug 20—Sep 5
Santa Anna, San Antonio, Mex., 10c.....Aug 29—Sep 8
Star of Hope, Alpine co, 35c.....Aug 19—Sep 5
Santa Cruz, San Antonio, $2.50.....Aug 24—Sep 5
San Lorenzo, Santa Cruz, 50c.....Aug 22—Sep 7
Seneca, Virginia, $5.....Sep 2—Sep 16
Silver Cloud, Alpine co., 50c.....Aug 28—Sep 8
San Carlos Exploring & Mining, $4.....Aug 31—Sep 12
Sweet Vengeance, Yuba co., $1.....Sep 6—Sep 20
Siskiyou, Siskiyou co., $1.....Sep 10—Sep 24
Standard, Lander co., $1.50.....Sep 13—Sep 28
Sheba, Star City, Humboldt co., $10.....Sep 12—Sep 24
Sophia, Tuolumne co.....Annual Meeting Sep 5
Smith & Martin, R. R., $12.....Sep 23—Oct 5
Smith & Martin, R. R.....Annual Meeting Sep 20
Seneca, Virginia.....Annual Meeting Sep 12
Seneca, Esmeralda, 10c.....Sep 14—Sep 25
Sotoyome, Esmeralda, 5c.....Sep 14—Sep 25
Sigel, Humboldt, $1.50.....Sep 20—Oct 3
Scottish Chief, Humboldt co., $1.....Aug 9—Sep 22
Silver Circle, R. R., $1.....Sep 30—Oct 18
Sonoma Ledge, R. R., $1.....Oct 4—Oct 18
Soledad, Los Angeles, 25c.....Oct 4—Oct 19

Tiptop.....Annual Meeting Sep 17*
Tellurium, Pine Grove dis., Amador co., $1...Aug 13—Sep 7*
Texas, R. R., $1.....Sep 12—Oct 1
Tecumseh, Gopher, $3.....Aug 22—Sep 6
Toledana, Mariposa, 25c.....Aug 22—Sep 9
Tulare, Inyo, 40c.....Aug 31—Sep 14
Tornado, 30c.....Sep 3—Sep 15
Triunfo, San Antonio, $1.....Aug 31—Sep 15
Teutonia, Gold Hill, 25c.....Sep 16—Sep 29
Tecoripa, Hermosillo, $3.....Sep 26—Oct 6
Tellurium.....Annual Meeting Sep 22
Troy, R. R., $2.....Sep 30—Oct 14

United States, Lander co, $1.....Sep 10—Sep 24
Union No. 2, R. R., $1.....Sep 15—Sep 28
Union, Copper.....Annual Meeting Sep 24
Uncle Sam, $100.....Virginia

Veatch, Clifton.....Sale Sep 19

Wisconsin.....Annual Meeting Sep 17*
Washington, Lander co., 50c.....Sep 1—Sep 15
White & Murphy, Virginia, $7.50.....Sep 21—Oct 4
Washoe, Gold Hill $4.50.....Sep 21—Oct 5
Washington, Vulcan & Grace Darling Cons.....Sale Sep 7
Wide West, Alpine co., 50c.....Sep 24—Oct 8
White & Murphy, Virginia.....Annual Meeting Sep 6

Yellow Jacket, 11 per cent.....Levied Aug 1
Yankee Blade, R. R., $5.....Sep 15—Oct 3
Yarborough.....Annual Meeting Sep 12

Zenith, Calaveras co., 50c.....Sep 17—Oct 3
420, Virginia, $6.25.....Aug 22—Sep 6

*Those marked with an asterisk (*) are advertised in this journal.

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Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

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This edition contains all the Laws of the State of California and of the Territory of Nevada, relative to

MINING CORPORATIONS,

Canal Companies, Assessments, Transfer Agencies, Changing place of Business, Mineral Lands, Actions respecting and conveyances of Mining claims, Taxation, Foreign Miners, Etc., Etc.

TOGETHER WITH THE

Mining Ordinances of Mexico

—AND—

Recent Decrees of the Mexican Gov't,

Forms for the Incorporation of Mining Companies, and a Digest of the decisions of the SUPREME COURT of the State of California, Relative to Mining Corporations and Mining Interests.

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IMPORTANT DISCOVERY

—IN THE—

Photographic Art.

Jacob Shew's

CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.

[PATENT APPLIED FOR.]

THE UNDERSIGNED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a

SOFTNESS, CLEARNESS AND DELICACY OF TONE

unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.

In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.

"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.

☞ The public are invited to examine specimens at my Gallery. ☜ JACOB SHEW.

6-tf 315 Montgomery street, near Pine.

NEW YORK AND PHILADELPHIA

ORNAMENTAL IRON WORKS.

THE SUBSCRIBERS HAVING FORMED A CONNECtion with Messrs. WOOD & PEROT, of Philadelphia, under the above title, are prepared to furnish every description of

ORNAMENTAL IRON WORK,

Cast, Wrought and Wire Railings, for enclosing

CEMETERY LOTS, DWELLINGS, PUBLIC SQUARES, &c

Vornndahs, Circular & Straight Stairs, Doors, Window Guards, Stable Fixtures, Fountains, Vases, &c.,

Also, having purchased of the late firm of Hutchinson & Wickersham, Canal street, their entire stock of

BEDSTEADS, CRADLES, FURNITURE, &c.,

They now offer to the public, at their New Warehouse, the most extensive stock of Ornamental Iron Goods to be found in the United States. They have also purchased of the NEW YORK WIRE RAILING Co., the patent right and machinery for making

Wire Railing, Farm Fence, Window Guards,

GRATING, COAL SCREENS, &c.,

And will continue the *Exclusive Manufacture* of the same at their Works.

CHASE & CO.,

(Opposite St. Nicholas Hotel,) 524 Broadway, New York.

Orders may be sent through the AMERICAN ADVERTISING AGENCY, 389 Broadway, New York. 6

D. NORCROSS,

MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.

aug17-tf Masonic Temple, No. 6, Post Street.

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING
At less than half the cost of tin roofs.

READY ROOFING
More durable than Tin.

READY ROOFING
Suitable for steep or flat roofs.

READY ROOFING
For all kinds of buildings, in all climates.

READY ROOFING
Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.
Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,
Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.
READY ROOFING CO.,
0-tf 73 Maiden Lane, N. Y.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGER. No wood work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that Iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,
JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.
New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.
6-tf

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

A GREAT INDUSTRIAL FAIR!

—TO BE—
Opened in San Francisco,
—ON THE—
30TH OF AUGUST, 1864.

THE MECHANICS' INSTITUTE OF SAN FRANCISCO are preparing for an Exhibition of Arts, Inventions, Manufactures of Industry in general, upon a scale more grand, attractive and useful than ever before seen upon the Pacific Coast. Their Pavilion, to be built for the purpose, will occupy Union Square and will contain every convenience and appliance for an effective display. The Institute appeals to all persons within the scope of its influence, who are engaged in different branches of industry and art, to prepare and forward for Exhibition such articles as they may invent, discover, or make, that are useful, instructive, curious, or suggestive. There is scarcely an occupation in life that cannot supply some article that can be justly considered, and by their public exhibition they may start the genius of invention in some other branch of industry or skill, the successful development of which may greatly enrich the State. The premiums and published reports of the Exhibition will widely advertise their qualities and merits.

Each age and country has its new wants, which the progress of civilization creates and ingenuity gratifies. Those of our own day and section are improved methods and machinery for reducing ores of the precious metals. A striking feature of the Exhibition will be the number and variety of these, worked by the inventors. It is hoped that information most useful to the mining interest will be elicited. Miners are invited to send ores for exhibition, and trial, in quantities sufficient to be worked seperately in the different machines, in order to test both the relative merits of the machines and the value of the respective metallic veins.

The various transportation companies of the Pacific states and territories will, with commendable liberality, transport all articles intended exclusively for exhibition, free of charge, and Wells, Fargo & Co., in like manner, will take charge of them.

All articles forwarded should be labeled—"For the Industrial Fair," and be directed to C. B. Porter, agent.

Regulations for the Exhibition.

1—Persons intending to take part in the Exhibition are requested to make known their intention at the earliest practicable period, stating the kind of article or articles they intend to exhibit, and the probable amount of space required therefor.

2—The Pavilion will be open for the reception of articles for exhibition on Monday, the 22d day of August, and will continue open for that purpose until Monday, the 29th. The Exhibition will open to the public on Tuesday, the 30th day of August.

3—The name of every article should be attached to it; also a description pointing out its merits, when thought desirable by the exhibitor.

4—When articles are entered, a check for the same will be given, which must be presented and surrendered when the articles are withdrawn.

5—Articles intended for sale will be labelled accordingly, but can not be removed until the close of the Exhibition, except by the written permission of the President.

6—Light, fancy or perishable articles will be received, or may be removed, at any time during the Exhibition, with the consent of the President.

7—All articles deposited will be at the risk of the owners, who are invited to be present during the hours of Exhibition. In the intervals efficient measures will be taken for the protection of property.

8—On the day following the opening of the Exhibition, each class of exhibitors will meet to choose, by ballot, their own Committees of Award; failing in this for one week, Judges will be appointed by the Executive Committee. The Executive Committee will award premiums for such articles as the several judges shall decide to be worthy of the same. The premiums will be delivered as soon as they can be prepared.

9—The morning of each day, until 9 o'clock, will be appropriated to the judges, and visitors will not be admitted during that time.

10—In case of misunderstanding, application may be made to the Executive Committee, who will be at all times in attendance.

11—Steam power will be provided, that machinery of all kinds may be seen in operation; and every possible facility will be given to exhibit all working machinery to the best advantage.

12—Exhibitors or their agents will receive free tickets of admission when, in the opinion of the President, the articles exhibited by them have such value, interest, or merit as to deserve it; but the transfer of any such tickets will work a forfeit of the privileges conferred by them.

13—All communications to be addressed to WILLIAM PATTON, Corresponding Secretary.

Executive Committee.

JOSEPH BRITTON,	A. S. HALLIDIE,
H. D. DUNN,	P. B. DEXTER,
E. NUNAN,	P. J. O'CONNOR,
W. H. KNIGHT,	C. R. STEIGER,
E. N. TOBEY,	W. H. BRYAN
H. F WILLIAMS,	J. A. PRITCHARD.

19-tf

MECHANICS' INSTITUTE.

INDUSTRIAL EXHIBITION, '64.

NOTICE TO EXHIBITORS,

THE EXECUTIVE COMMITTEE WILL BE PREPARED at the Pavilion, on Union Square, to receive Goods intended for Exhibition on the Twenty-Second of August, and none will be admitted after the 31st of August.

By order of the Committee.
C. B. PORTER.

THE WORLD'S HORSE FAIR!

AT SAN FRANCISCO,
—AND—
Ladies' and Gentlemen's Equestrienne Exhibition!

THIS GRAND EXHIBITION WILL be held at the BAY VIEW PARK, commencing September Second and continuing until the Eleventh, during which time the Mechanics' Fair will also be in progress—the Grand Pavilion of which will be open every evening—so that persons from a distance can attend both Fairs during their visit to the City. For particulars and Premium List see large posters and California Spirit of the Times.
7-td BEN. E. HARRIS, Secretary.

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

SAN FRANCISCO FOUNDRY
And Machine Works,
Corner Fremont and Mission streets,
SAN FRANCISCO.

ALL KINDS OF MACHINERY MADE TO ORDER ON the most reasonable terms. Steam engines, high and low pressure, Quartz Mills, Saw Mills, Mining Pumps, Hoisting Machinery for mining purposes, Agricultural Implements, etc., etc. Castings, of all descriptions, made to order. Also, WINE, CIDER AND TOBACCO PRESSES, of the latest improved patterns.

☞ Steam Engines constantly on hand.

Brodie's Improved Patent Wind Blast Separator for Dry Crushing, Manufactured here.

☞ REPAIRING promptly attended to.
DEVOE, DINSMORE & CO.
San Francisco, May 28, 1864. 22v8

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINERY, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

⁂ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
—MANUFACTURERS OF—
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INOOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN
PAN SHOES CONSTANTLY ON HAND.
Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
13 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.

STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

D. D. HINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

JOHN P. GALLAGHER..... JOSEPH D. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.

☞ Particular attention given to casting Rudder Braces and Ship Work in general.

☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Mina, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

Vulcan Iron Works Company.
P. TORQUET, Manager.
Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,

PUMPING, HOISTING, MINING AND QUARTZ-CRUSHING machinery. Shoes and Dies of the hardest Iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Journal and other Turbine Water Wheels with latest improvements.

No. 187 & 139 First Street San Francisco. tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works

THE ONLY EXCLUSIVELY BOILER MAKING ESTABLISHMENT on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.

Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,

N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission,
OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

J. H. GRUSH, J. A. PEER, W. BUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.

☞ SCROLL SAWING DONE TO ORDER. ☜
Fremont St., between Market and Mission, San Francisco.
3-3m

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 50 feet, and giving universal satisfaction. Address
SMITH & HANSCOM,
16v8-3m Golden State Iron Works, San Francisco.

CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the
LOWEST RATES.
HAYNES & LAWTON,
516 and 518 Sansome st., cor. Merchant, San Francisco.
1-3m

Coal Creek Coal Mining Company.

Located near Coysorville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer
TRUSTEES:
JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco
P. T. ARCHAMBOU.....Coysorville.
19-3m

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is wicked.)—*Red Bluff Independent.*

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge. If in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbet Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all *sizes*. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

Canton Tea Store, Established 1858.
GEO. S. HASKELL & CO.
IMPORTERS,
WHOLESALE AND RETAIL DEALERS
— IN —
JAPAN AND CHINA TEAS,
AND
GROCERIES.
Store fronting on
514 Market & 15 Sutter St.
☞ THREE DOORS ☜
BELOW THE MARKET HOUSE,
San Francisco.
Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

A New and Valuable Book.
PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.
This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.
Price—post paid—Cloth $6; Sheep $7.
A. ROMAN & CO.,
Booksellers, Importers and Publishers,
417 and 419 Montgomery street,
no30-tf San Francisco.

MECHANICS' FAIR,
DAILY PRESS.
A FREE DISTRIBUTION AND IMMENSE CIRCULATION!
DEWEY & CO., Publishers.
THE PROPRIETORS OF THE MINING AND SCIENTIFIC PRESS, having been granted the publication of the above daily, at the MECHANICS' INDUSTRIAL FAIR PAVILION, will print the *largest and most extensively circulated* "Fair Paper" yet issued in this State. Every lady, gentleman and child visiting the Pavilion will be supplied with copies for themselves and absent friends as the sheets are issued from the press. It will prove a valuable record and illustration of the Grand Industrial Exhibition of 1864; its columns will reflect every event and incident of general interest transpiring each day during the Fair, and many copies will be preserved and bound by exhibitors and others. Inventors and Patentees having articles deserving of illustration, should make arrangements to have their engravings prepared at once.
☞ A limited number of advertisements will be received for insertion in the DAILY PRESS, thereby presenting a rare and valuable opportunity to advertisers.
Application should be made early to
DEWEY & CO.,
Publishers and Patent Agents,
Office of the Mining and Scientific Press, Nos. 14, 56 and 57 Government House, Corner Washington and Sansome Sts.

To Mexican Mining Companies.
A person in every way qualified desires a situation as Superintendent for some Company working in Mexico. Is a first class Assayer and Metallurgist and can give the best of references. Address, Mexico, Lock Box 2113 P. O. San Francisco. *9-3t

Machine Shop for Sale Cheap,
—IN WHOLE OR IN PART—
Consisting of Steam Engine, Gear Cutter, Engine, Lathe, Vices, &c., &c.
☞ TO BE SOLD AT A BARGAIN. ☜
WM. H. DUNN,
8-2t No. 9, First Street, San Francisco.

Hudson's Improved Pump,
(Specimen on Exhibition in the Pavilion,)
Plumbing and Gas Fitting in all its Branches.
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Caution.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the Imperial Gold and Silver Mining Company, as the same were sold for delinquent assessments, on the 12th day of August, 1864, and will not be transferred on the books of the company:
Nos. 6, 10, 11, 12, 13, 14, 33, 34, 35, 47, 48, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 86, 87, 88, 89, 90 95, 96, 107, 108, 17, 18, 19, 20, 21, 22, 52 53, 54, 55, 56, 57, 63, 30, 32, 123.
L. B. WOOSTER, Secretary.
Office, No. 410 Montgomery street. 7-2t

Mining and Scientific Press Patent Agency,

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent, and if the final fee for such patent be not paid within the said six months, the patent shall be witheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the Inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question can only be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $50 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we make a fee proportionate to the labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: Dewey & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special polut to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping on woolens, oilcloths, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositious in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacturo, architecetural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunc tion from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our chargo will be modcrate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,
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No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Causo for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Rise Ledge; Mining Share Market; Iron the Basis of Modern Industry; Quito a Novelty; Gold Predictions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Peltsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgical Processes; Labor Involved; Eating when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward: Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

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To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

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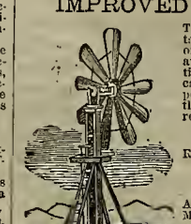
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San Francisco, May 10th, 1864. 20

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It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and the can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

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Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss at the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence waste of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patents, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

Hepburn & Peterson's

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Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.

nov8 3m*

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at

WHEELER & THAYER'S REDUCTION WORKS, NORTH BEACH, SAN FRANCISCO,

To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.

This machine is now running on waste sands, from which it is taking on an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNOERFORD & PRATER, Proprietors.

San Francisco, April 1st. 1864. 14v8-tf

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK COLD AND SILVER ORES. in large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merits of rock.

WHEELER & THAYER, Proprietors.

O. C. JONES, Amalgamator.

San Francisco, Oct. 13, 1863. j2tf

New this Week.

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of August, 1864, an Assessment of two dollars per share was levied upon the Capital Stock of said Company, payable on the 31st day of August, 1864, in United States gold coin to the Secretary at the office of the Company No. 523 Clay street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 17th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. B. W. MUDOE, Secretary

Office. No. 523 Clay street, San Francisco, California, California. 10-4t

Logan Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

The Annual Meeting of the Logan Gold and Silver Mining Company will be held at the company's office, No. 523 Clay street, San Francisco, California, on Monday, September 26, 1864, at 2 o'clock P. M., for the election of Trustees, and the transaction of such other business as may properly come before it. (10-4t) B. W. MUDOE, Secretary.

Scottie Gold and Silver Mining Company, La Paz Mining District, Arizona Territory.

The Annual Meeting of the stockholders of this company will be held at the Company's office, No. 523 Clay street, San Francisco, on Tuesday, September 27th, 1864, for the election of Trustees, and the transaction of such other business as may properly come before it.

10-4t B. W. MUDOE, Secretary.

Gobernadora Silver Mining Company, San Antonio District, Lower California.

NOTICE.—There is delinquent upon the following described stock on account of Assessment levied on the 1st day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Brazer	27 41 42-ea 5		
	40 43 44 90-ea 10		
	45-25 shs		
	51-0 sbe	110	$110 00
J C Boldeman	100	30	30 00
Peter Brown	309	17	17 00
T H Downing	119	30	30 00
J L Farnsworth	320	13	13 00
N S Grimes	194	10	10 00
A N Humphreys	190	55	55 00
E R Hawley	209 270-ea 25	50	50 00
Thomas Hill	283	5	5 00
Hopps & McAbee	284	40	40 00
A H Jordan	280 287-ea 25	50	50 00
W H Knapp	70 71 98-ea 10		
	73 76-ea 15		
	74-20 shs		
	77-25 shs	105	105 00
H Kilham	235 236-ea 10		
	237 238 239 240 241 242-ea 5	50	50 00
W E Mayhew	111	20	20 00
G F Notte	245	20	20 00
J W Sprague	78 79-ea 60	120	120 00
D W Smith	325	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 17th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 525 Clay Street, San Francisco. 10

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

There are delinquent upon the following described stock, on account of assessment levied on the 3d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
H C Kirk	9	50	$25 00
J H Clute	23	50	25 00
J S McReynolds	34	50	25 00
J S McReynolds	35	15	7 50
J S McReynolds	36	10	5 00
H Holland	38	25	12 50
H Holland	39	25	12 50
H Holland	40	12½	6 25
L A Booth	37	25	12 50
J G Aiens	42	75	37 50
J C Aiens	43	50	25 00
J G Aiens	44	50	25 00
J G Aiens	45	25	12 50
J C Aiens	46	55	12 50
West Evans	50	12½	6 25
R Collar	3	10	5 00
John Bollinger	61	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 3d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction by Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 17th day of September, 1864, at 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

WM. A. RUST, Secretary.

Office, 212 California street, San Francisco. 10

Rose Linda Mining and Manufacturing Company, Mokelumne Mining District, Alpine co., California.

Notice is hereby given, that at a meeting of the Board of Trustees of the above company, held on the 30th day of August, 1864, an assessment of sixty (50) cents per share was levied upon the capital stock of said Company, payable immediately, in United States Coin, to the Secretary at the office of the company, No. 522 Clay street, Room No. 3.

Any stock upon which said assessment shall remain unpaid on the 30th day of September 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. HENRY HALE, Secretary.

San Francisco, August, 30, 1864. 10

Mining Notices.

Advertised in Previous Issues.

Astor Gold and Silver Mining Company, Gold Hill Mining District, Storey County, Nevada Territory.

Notice is herby given that at a meeting of the Board of Trustees of said Company, held on the 10th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States Cold Coin, to the Secretary, No. 436 Jackson street, or to E. A. HYDE, Superintendent, Gold Hill.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

EDWARD C. LOVELL, Secretary.

Office, 436 Jackson street, San Francisco. 7-4t

Caldwell Gold and Silver Mining Company, Cove District, Kern River, Tulare County, California.

Kern River Gold and Silver Mining Company, Cove District, Tulare County, California.

The office and principal place of business of the above named Companies, will be removed from the City of San Francisco to Cove District, Tulare County, California, after the necessery legal steps are perfected.

M. G. ELMORE, Secretary.

Office, 621 Clay street.

San Francisco, August 12, 1864. 7-5t

Citizens' Coal Mining Company, Mount Diablo District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of August, 1864, an assessment, (No. 9,) of Five Dollars per each and every assessable share upon the capital stock of said Company was levied, payable immediately in United States gold coin, at the office, corner Post and Dupont streets, in San Francisco, to the Secretary of the company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent without further notice, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. (9-4t) E. J. PFEIFFER, Secretary.

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of August, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 29th day of August, 1864, in United States Coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday the 1st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. (9-4t

Dane Gold and Silver Mining Company, Esmeralda.

NOTICE.—There are delinquent upon the following described stock, on account of assessment No. 5, levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Shares.	Amount.
John S Mayhugh	87	$87
D C Crocker	5	5
W F Atwood	208	208
Jesse Richardson	10	10
James Hutchens	15	15
Jas H Deering	75	75
M L Citron	10	10
F J Barber	10	10
Adam Ross	10	10
Mrs H C Bull	5	5
W H Forbes	10	10
Jas J Robbins	128	128
W H Hamden	10	10
Larkin Smith	45	45

And in accordance with law, and an order of the Board of Trustees made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold public at auction, at the office of the Company, No. 523 Montgomery street, on the 20th day of August, 1864, at the hour of 12 o'clock A., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD CONNER, Secretary.

Office, 523 Montgomery Street. 7

POSTPONEMENT.—The above sale is postponed until Tuesday, August 30th, 1864, at the same place and hour. By order of the Board of Trustees.

7 EDWARD CONNER, Secretary.

POSTPONED.—The above sale is still further postponed until Friday, the 9th day of September, 1864, at the same hour and place. By order of the Board of Trustees.

10 EDWARD CONNER, Secretary.

Eagle Quartz Mining Company. Location, Amador County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of June, 1864, an Assessment of Two Dollars per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, 708 Montgomery street, city and county of San Francisco.

Notice is hereby given that at a meeting of the Board of Trustees of said company on the 9th day of August, 1864, the Secretary was directed, on account of error in previous notice, to readvertise the above assessment, payable to the Secretary, at the present office of the company, No. 702 Washington street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. PARDOW, Secretary.

Office, northwest corner Washington and Kearny streets, San Francisco. 7-4t

Fairview Copper Mining Company, Calaveras County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of August, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. WILMOT, Secretary.

Office, 537 Washington street, San Francisco. 6-5t

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of May, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company; and that at a meeting of the Board of Trustees of said company, held on the 9th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United States gold coin, to the Secretary of said company, at the office of said company, No. 433 Montgomery street, in the city and county of San Francisco.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

EM. FENARD, Secretary.

Office, No. 433 Montgomery street, in the city and county of San Francisco. 7-4t

Great Western Gold and Silver Mining Company, Keyes District, Mono County, California.

Notice is hereby given that at a meeting of the Board of Trustees said Company, held on the 19th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

BROCK JOHNSON, Secretary.

Office, No. 23 Government House, San Francisco. 9-4t

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Bateman, W A	21	10	$10
Bateman, W A	29	10	10
Bateman, W A	30	5	5
Beckford, D R	210	5	5
Bloomer, Teresa	91	10	10
Bresson, Melanio	242	20	20
Campbell, E R	214	5	5
Goles, E W S	131	10	10
Goles, E W S	253	40	40
Crane, A E	255	25	25
Champion, Gons'd M'g Co	254	100	100
Danes, J B	197	20	20
De Long, F G	74	2	2
Doane, J O	260	10	10
Douglass, W F J	198	10	10
Emery, J G	123	5	5
French, M B	100	25	25
Gifford, Emily	86	1	1
Goff, T A	121	10	10
Goff, T A	122	15	15
Hall, Adaline E	105	10	10
Hammet, Eliza M	219	50	50
Hammet, Eliza M	220	50	50
Heath, James	19	1	1
Heath, James	20	1	1
Heath, James	47	1	1
Henderson, John	202	25	25
Kipp, A K	234	20	20
Kipp, A K	256	20	20
Locke, S	165	100	100
Looney, Edward	120	3	3
Lambert, R H	not issued	130	130
Paine, H J	102	330	bal 30
Peck, Lewis	3	30	30
Peck, Lewis	6	30	30
Peck, Lewis	11 12-ea 10	20	20
Peck, Lewis	13 15-ea 5	10	10
McKay, W J	113	2	2
Mc Kenzie, Wm	172	10	10
McKenzie, Wm	194	10	10
McKenzie, Wm	195	20	20
McKenzie, Wm	208	10	10
McKenzie, Wm	211	10	10
McKenzie, Wm	244	10	10
Miller, John	109	5	5
Miller, W P	138	2	2
Mitchell, J C	75	10	10
Murray, Isaac	140	50	50
Murray, Isaac	169	50	59
Murray, Isaac	170	50	50
Rand, E M	115	2	2
Scott, Harshaw	106	10	10
Scott, Harshaw	178	5	5
Scott, Harshaw	205	50	50
Spence, Catherine	157	3	3
Spence, William	158	38	38
Stevens, G F	199	5	5
Surryhne, Wm	37 38-ea 5	10	10
Surryhne, Wm	39 41 42 43 188 190 191-ea 10	70	70
Surryhne, Wm	44 45-ea 20	40	40
Sweetser, W H	162	20	20
Sweetser, W H	163	20	20
Sweetser, W H	164	20	20
Sweetser, W H	188	12	12
Sweetser, W H	189	20	20
Taylor, E L	68	10	10
Taylor, E L	69	5	5
Taylor, D W	61	50	50
Taylor, D W	62	100	100
Tammeyer, Julius	78	3	3
Tammeyer, Emma G	79	1	1
West, W A	73	3	3
Whitney, Mrs F	139	5	6
Wright, I N	201	50	50

And in accordance with law and an order of the Board o Trustees, made on the 14th day of Jnne, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co. 327 Montgomery street, San Francisco, on the 10th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, tn pay said delinquent Assessment thereon, together with coete of advertising and expenses of sale.

N. O. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco, Cal. 9

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 20th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
E G Marshall	112	29	$7 25
T K Wilson	33	10	2 50
T K Wilson	39	10	2 50
T K Wilson	42	3½	88
A C Adams	82	31	7 75
W Grooker	113	42¾	10 63
R W Bell	72	20	5
R W Bell	73	23¾	5 94
John Todd	44	5	1 25
John Todd	47	5	1 25
John Todd	50	15	3 75
W W Severence	17	87½	21 87
B Kincaid	67	10	2 50
N Anderson	53	7	1 75
M Raphael	71	43¾	10 94
H J Tilden	74	12	3 00
H J Tilden	84	22	5 50
A F Adams	83	31½	7 88
M Weil	96	10	2 50
C A Fitch	99	10	2 50
Wm H Hull	101	5	1 25
Geo Mead	102	5	1 25
W J Boyce	103	10	2 50
M Boyco	104	5	1 25
L W Goodwin	105	5	1 25
D R Severence	115	15	3 75
A K Carrier	116	15	3 75
A J Colby	117	15	3 75
H Denison	143	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 20th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Cobb & Sinton, No. 406 Montgomery street, San Francisco, California, on the 10th day of September, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

PRESTON MORRIS, Secretary.

Office, No. 525 Montgomery street, San Francisco. 9

Important to Californians.—Many inventore bave lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicant. for patents, whose safest course le to trust their business with none but active and experienced solicitors. The Mining and Scientific Press Patent Agency has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

The *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary at the office of the company, or to Peter Brown, Silver City, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

G. W. HAYDEN, Secretary.

Office, No. 625 Clay street, San Francisco. 9-4t

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pals District, Marin County, Cal.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R Morriman	58 59 50 215	180	18 00
Aug Huenert	120 123 124 125 126 127 128 130 131	120	12 00
M Rosenbaum	171 172 173 174 175	100	10 00
Wm Bailey	141	20	2 00
Harrison Jones	218	20	2 00
A C Teitman	219	100	10 00
A Traube	228	10	1 00
Ferdinand Loehr	229	265	26 50
Herrman Kutscher	232 233 234 235	200	20 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, No. 522 Montgomery street, on Monday the 5th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale. B. ROTHSCHILD, Secretary.

Office, 522 Montgomery street.

San Francisco, August 20, 1864. 8

Holcombe Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice is hereby given that in accordance with the laws of the State of California, and the by-laws of this company, there will be sold at public auction for cash in United States gold coin, on Monday, September 5th, 1864, at 11 o'clock A. M., of that day, by Cobb & Sinton, 406 Montgomery street, San Francisco, so many shares of the capital stock, standing in the names of the following persons, as will be necessary for the payment of assessment No. 1, duly levied January 8th, 1864, now due thereon, together with the expenses of advertising and sale.

Names.	No. Certificate.	No. Shares.	Amount.
S E Kller,	19 20 21 22 23 24 25	100	$100 00
John Rossetter,	26 27 28 29	50	50 00
A J Hendricks	36 37 38 39 40	100	100 00

By order of the Board of Trustees.

JOHN A. LEDDEN, Secretary.

Office, 523 Waeblngton street, San Francisco. 5

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 18th day of July, 1864, the several amounts set opposite the names of the respective shareholders are follows:

Names.	No. Certificate.	No. Shares.	Amount.
Jas Foster	440	20	$3 00
Mre A B Harrison	304	100	15 00
Miss Louise Wise	193	10	1 50
J G Tilton	273	10	1 50
M G Keunedy	326	5	75
M G Keunedy	328	5	75
M G Kennedy	400	20	3 00
M G Kennedy	329	5	75
Joel Clayton	79	25	3 75
Joel Clayton	80	25	3 75
Joel Clayton	81	25	3 75
Joel Clayton	82	25	3 75
Joel Clayton	83	25	3 75
Joel Clayton	84	25	3 75
Joel Clayton	85	25	3 75
L E Morgan	not issued	482	69 30
L E Morgan	401	20	3 00
P Clarey	442	50	7 50
M Farney	467	20	3 00
M Farney	491	50	7 50
A W Stratton	480	25	3 75
T J Thibault	477	5	75
E T Carrique	60	20	3 00
E T Carrique	67	20	3 00
E T Carrique	68	20	3 00
Chas Perry	78	25	3 75
Jas M Bunker	92	25	3 75
Paul Bunker	335	20	3 00
G W Smith	287	25	3 75
G M Smith	286	25	3 75
J A McClelland		10	$1 50
Geo T Russell	134	30	4 50
D L McPherson	398	30	4 50
W F Hughes	171	50	7 50
J D Groff	415	15	2 25
A F Hinchman	213	50	7 50
A F Hinchman	235	50	7 50
A F Hinchman	236	50	7 50
G M Dexter	246	25	3 75
J H Widber	445	25	3 75
Sam Howard	427	15	2 25
E A Sindermon	400	25	3 75
Geo Wall	32	25	3 75
Geo Wall	33	15	2 25
Geo Wall	34	10	1 50
S Barrow	38	25	3 75
G W Morgan	343	5	75
G W Morgan	346	20	3 00
F L Sueb	308	50	7 50
J H Smith	351	5	75
J G Williams	485	10	1 50
Benj Jones	199	100	15 00
Benj Joues	200	50	7 50
Benj Jones	394	25	3 75
B M Hartshorn		200	30 00
John Fricker	375	45	6 75
John Fricker		10	1 50
Hinckley & Co	382	40	6 00
J N Peterson	335	20	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 18th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at Jerome Rice & Co's., on the 10th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. B. WINEGAR, Secretary.

9-td Office, No. 322 Frout St., San Francisco.

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount.
John Ridgeway	2	10	$5 00
John Ridgeway	5	10	5 00
John Ridgeway	8	5	2 50
John Ridgeway	9	5	2 50
William Terry	17	20	10 00
William Terry	18	20	10 00
William Terry	30	5	2 50
Thomas L Frew	64	5	2 50
Thomas L Frew	65	5	2 50
Thomas L Frew	58	5	2 50
Thomas L Frew	67	6⅞	3 44
A Hartman, Jr	44	5	2 50
A Hartman, Jr	45	5	2 50
A Hartman, Jr	47	5	2 50
A Hartman, Jr	48	10	5 00
A Hartman, Jr	49	10	5 00
A Hartman, Jr	50	10	5 00
A Hartman, Jr	51	10	5 00
A Hartman, Jr	02	1⅞	94

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Edward S. Spear, No. 433 California street, in the city of San Francisco, on the 10th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. G. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 9-2t

Kelsey Gold and Silver Mining Company, Kelsey District, El Dorado County, Cal.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 27th day of July, 1864, the several amounts set opposite the Names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
W H Silverthorne	290	30	$3 00
W H Silverthorne	291	8	80
Mrs L A Raefsh	26, 27, 29, 30	40	4 00
Alfred Thurber	43	20	2 00
Wade & Potter	59 70-ea 100 76 77-ea 10	220	bal 12 00
F Wolfe	138	25	2 50
F Wolfe	139	25	2 50
F Wolfe	140	25	2 50
F Wolfe	141	25	2 50
F Wolfe	407	65	5 50
G Leger	155	10	1 00
G Leger	156	10	1 00
G Leger	157	10	1 00
W H Vandewator	161	10	1 00
Henry Mess	162	10	1 00
Richard Colhourn	163	5	50
W A Frey	165	10	1 00
W A Frey	166	5	50
W A Frey	318	10	1 00
T T Bradshaw	167	10	1 00
C S Lippman	220	50	5 00
G S Lippman	221	50	5 00
C S Lippman	222	50	5 00
C S Lippman	223	50	5 00
C S Lippman	225	25	2 50
C S Lippman	220	25	2 50
C S Lippman	227	25	2 50
C S Lippman	403	15	1 50
C S Lippmau	422	5	50
J D Enue	228, 229	10	1 00
John L Yeates Jr	233	20	2 00
John L Yeates Jr	234	20	2 00
John L Yeates Jr	235	20	2 00
John L Yeates Jr	237	20	2 00
John L Yeates Jr	238	20	2 00
John L Yeates Jr	239	20	2 00
John L Yeates Jr	240	20	2 00
John L Yeates Jr 244, 245, 240, 247, 249,	241, 242, 243-ea 10 250	90	9 00
John L Yeates Jr	438	50	5 00
John L Yeates Jr	439	50	5 00
E W Lewis	253	5	50
E W Lewis	254	5	50
E W Lewis	345	10	1 00
Maria R Shannon	211	5	50
Isabel E Figel	214	5	50
Joseph Lippman	312	10	1 00
C P Williams	not issued	1	10
Alice Moon	328	5	50
Maria L Terme	341	10	1 00
George Barrett	342	5	50
C Hess	349	10	1 00
E E Jones	358	25	2 50
Ira W Dearborn	371 to 375 inc	25	2 50
James Taylor	400	10	1 00
Susan Sweetser	406	10	1 00
Gladwin Bros	427	10	1 00
J D Bailey	428	20	2 00
C F Hayward	435	5	50
R H Clement	437	30	3 00
Daniel Croonla	460, 461, 462-ea 10	30	3 00
W J Meredith	467	50	5 00
W A Morhud	403	25	2 50
L M Andrews	472	5	50
George E Davis*	525	5	50
George E Davis	320	5	50
George E Davis	333	10	1 00
George E Davis	388	5	50
George E Davis	389	5	50
George E Davis	380	5	50
George E Davis	381	5	50
George E Davis	418	10	1 00
Mary A Gavard	458	10	1 00
William Plympton	433	13	1 30

*Assigned but not transferred.

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at Public Auction, at the Auction Room of Messrs. Cobb & Sinton, No. 405 Montgomery St., on the 10th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

S. C. GARDNER, Secretary.

Office, 605 Sacramento street, First door West of Montgomery street, up stairs. 9-2t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 23d day of August, 1864, an assessment of two dollars and fifty cents per share was levied upon the assessable stock of said company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 9-4t

Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 18th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Browa, Smith	159	50	$250
Brown, Smith	189	50	250
Cummins, Wm	151	100	500
Gummins, Wm	152	39	195
Cummins, Wm	153	10	50
Cummins, Wm	154	5	25
Cummins, Wm	159	5	25
Cummins, Wm	150	5	25
Elliot, Chas	74	5	25
Frost, F F	119	5	25
For, John	155	20	100
Freanor, John A	190	50	250
Harding, John	45	20	100
Harding, John	40	5	25
Hutchinson, S	191	10	50
Hutchinson, S	192	10	50
Hutchinsen, S	193	10	50
Hutchinson, S	194	10	50
Hutchinson, S	195.	10	50
James, Wallace T	95	10	50
James, John	150	20	100
James, John	176	10	50
James John	170	10	50
Kimball, E A	131	20	100
Leonard, M A	108	5	25
Lewis, Geo W	170	0	50
Morse, H J	87	5	25
Pochlmann, Wm	98	5	25
Parvin, O R	178	6	30
Simmons, S D	52	5	25
Simpson, Wm H	181	100	500
Simpson, Wm H	152	25	125
Simpson, Wm H	163	25	125
Simpson, Wm H	164	25	125

And in accordance with law and an order of the Board of Trnstees, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Messrs. Cobb & Sinton, No. 406 Montgomery street, San Francisco, Cal., on Thursday the 8th day of September, 1864, at the hour of 10 o'clock A. M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale, unless said assessments, with accruing charges, are previously paid.

LAWRENCE C. OWEN, Secretary.

Office, No. 8 Masonic Temple, N. W. corner Mmntgomery and Post streets. 9-4t

La Travlata Gold and Silver Mining Company, Calaveras County, California.

Notice.—There are delinquent, upon the following described stock on account of assessment levied on the 12th day of June, 1864, the several amounte set opposite the names of the respective charcholdore, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L Reupsch	13 14 17		$8 50
C D Taylor	27	35	17 50
M Greenthal	73	9	4 50
A Stolz	35	17	8 50
S Cohea	42 83	48	24 00
J Rehensburgor	82 51 52	70	35 00
C J Stevens	58 57	10	5 00
M Woll	96	57	42 75
E Newmann	68 70	122	61 00
S Langstatter	71	18	9 00
L Blumenthal	79	5	2 50
Abrahams & Bro	78	4	2 00
J A Obergh	87	10	5 00
Geo Haxe	92	70	35 00
R Cisar	95	13	0 75
Mrs White	105	5	2 50
J Mibielle	93	30	15 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on the 21st day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, 322 Front street, San Francisco. 9-4t

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 24th day of August, 1864, an assessment of five (5) cents per share was levied upon the capital stock of said Company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 322 Front street, or to J. W. Cassinay, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, 322 Front street, San Francisco. 9-4t

Mosquito Qnartz Mining Company, Mosquito Gulch, Calaveras County.

Notice is hereby given that at a meeting of the Board of Trnstees of said Company, held on the 10th day of May, 1864, an assessment of five dollars per share was levied upon the capital stock of said Company, and that at a meeting of the Board of Trustees of said company, held on the 9th day of August, 1864, it was ordered that said assessment should be payable on the 10th day of September, 1864, in United Sntes Gold Coin, to the Secretary of said company, at the office of said Company, No. 433 Montgomery street, in the city and county of San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 25th day of September, 1864, to pay the delinquent assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

EM. FENARD, Secretary.

Office, No. 433 Montgomery. street, in the city and county of San Francisco. 7 4t

New Era Copper Mining Company, Tuolamne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, paynble on the 20th day of September, 1864, in United States Gold Coin, to the Secretary, at his office, on the southwest corner of Washington and Stockton streets, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 10th day of October, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 9-4t

Ossipee Gold and Silver Mining Company, El Dorado County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atwood, E T	86	50	$2 50
Atwood, E T	92	5	25
Atwood, E T	93	5	25
Atwood, E T	95	5	25
Atwood, E T	209	25	1 25
Butler, B F, Sen	47	100	5 00
Butler, B F, Sen	128	100	5 00
Butler, B F, Sen	129	100	5 00
Butler, B F, Sen	136	70	3 50
Blasdell, Mrs E F	177	10	50
Cain, R K	112	50	2 50
Cain, R K	113	25	1 25
Cain, R K	114	25	1 25
Cain, R K	115	20	1 00
Cain, R K	110	20	1 00
Colby, A	142	10	50
Colby, A	143	10	50
Cherry, F M	168	25	1 25
Cherry, M E	159	25	1 25
Cherry, I L	160	25	1 25
Cherry, D B, Jr	161	25	1 25
Dyer, R C	39	1	05
Doolittle, W G	189	100	5 00
Dungan, Ann M	190	5	25
Gleason, W B	170	50	2 50
Hutchinson, E F	140	10	50
Hall	141	10	50
Harnett, E	144	100	5 00
Harnett, E	145	50	2 50
Hyland, H J	165	22	1 10
Hyatt, Caleb	107	10	50
Hyatt, Caleb	184	100	5 00
Hyatt, Caleb	185	100	5 00
Johnson, Thos J	188	25	1 25
Jones, T E	187	25	1 25
Ladd, C J	194	30	1 50
Larrimore, B	192	50	2 50
Moody, E	169	150	7 50
Niebour, T	183	24	1 26
Pritchard, T	186	25	1 25
Rainow, L	98	25	1 25
Rainow, L	99	25	1 25
Rainow, L	101	10	50
Rainow, L	102	10	50
Rainow, L	103	5	25
Rainow, T	104	5	25
Rainow, L	105	5	25
Rainow, L	106	5	25
Rogester, David	125	10	50
Sturdivant, R O	16	100	5 00
Sturdivant, R O	17	100	5 00
Sturdivant, R O	176	90	4 50
Silsby, W H	150	25	1 25
Silsby, W H	151	5	25
Scribner, W R	157	25	1 25
Thornton, R S	32	50	2 50
Thornton, R S	33	50	2 50
Tilton, S S	69	50	2 50
Tilton, S S	71	25	1 25
Tilton, S S	72	25	1 25
Tiltou, S S	74	20	1 00
Tilton, S S	70	10	50
Tilton, S S	77	10	50
Tilton, S S	78	5	25
Tilton, S S	79	5	25
Tilton, C H	174	40	2 00
Tilton, C H	175	10	50
Von Pozoe, H	166	10	50
Von Rhein, O F	164	23	1 15
Warren, O P	20	50	2 50
Warren, O P	21	10	50
Warren, O P	22	10	50
Warren, O P	24	10	50
Warren, O P	25	10	50
Warren, O P	20	5	25
Warren, O P	27	5	25

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 13th day of September, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. R. MAURICE, Secretary.

Office,-No. 708 Montgomery street, San Francisco. 9

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Buzzoleni, D	51	5	$25
Buzzoloni, D	52	5	25
Cole, Delos	1	10	50
Cole, Delos	2	10	50
Cole, Delos	4	10	50
Cole, Delos	5	10	50
Cole, Delos	6	10	50
Cole, Delos	7	20	100
Cole, Delos	9	20	100
Cole, Delos	10	20	100
Cole, Delos	11	20	100
Cole, Delos	12	20	100
Cone, W H	100	20	100
Moore, J A	97	10	50
Marston, P F	98	10	50
Marston, P F	99	20	100
McGown, Lee	84	10	50
McGown, Lee	85	10	50
McGown, Lee	86	10	50
Noyes, J W	33	25	125
Noyes, J W	34	25	125
Noyes, J W	35	25	125
Noyes, J W	36	25	125
Noyes, J W	40	20	100
Page, R C	44	13 1-3	66 66
Page, R C	45	13 1-3	06 07
Page, R C	40	13 1-3	66 67
Smith, E F	91	12 1-2	62 50
Smith, E F	92	12 1-2	52 50
Stanchfield, L G	55	10	50
Stanchfield, L G	50	10	50
Stanchfield, L G	57	5	25
Stevens, T H	87	5	25
Watkins, B F	18	10	50
Watkins, B F	23	20	100
Watkins, B F	24	20	100
Watkins, B F	25	20	100
		535	$2675

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 10th day of September, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. J. TREADWELL, Sec'y.

9-2t Office, 532 Merchant Street.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1 3	$100
Wm Faulkner		13 1 3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parrinton	11	16 2 3	50
A R Wheat	14	16 2-3	50
G W Botts	142	8 1-3	25
R C Jacobs	82, 147	30 1-3	119
J J Corrigan	153	31	93
J F Dorland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Phillips	54, 55, 0.06 07, 68	23 1-3	100
J C Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	10 2 3	50
Edson Sammis	37, 114	24 1-3	73
Mrs R A R Carter	155	3 1 2	10
David Ross	80	6 2 3	20
Edgar Wakeman	84	8 1 3	25
J D Thompson	152	25	75
W J Leland	86, 94	5 1 2	16
Gilbert Palacho	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	6	24
Geo A Moore	111	3	0
B S Lord	90. 107	32	96
John Todd	105, 144	6 2-3	25
R G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	6 1 3	25
S C Peck	128	4 1 6	12 50
Wm Crocker	87	8 1-3	25
H M Newball	143	8	24
W P Peck	181	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
John Todd	168	2	0
Hugh McCorriston	160	1	3
Mrs P J Adams	167	6	9
A H Bogadorn	168	8 1-3	25
Wm A Sublett	169	2	6
H K Curtis	171	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

OEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Postponement.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 OEO. L. FAULKNER, Secretary.

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 29th day of August, 1864, in United States coin, to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, California.

Notice is hereby given that the annual meeting of the stockholders of the above named company, for the purpose of electing Trustees to serve for the ensuing year, will be held at the company's office, No. 212 California street, San Francisco, on Monday, September 12th, 1864, at 7½ o'clock P. M. By order of the President.

W. A. RUST, Secretary.

San Francisco, August, 24, 1864. 9-4t

Santa Cruz Petroleum Oil Works Company—Located in Santa Cruz County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of August, 1864, an assessment (No. 8) of twelve and a half (12½) cents per share was levied upon the capital stock of said company payable immediately, to the Secretary at his office, No. 333 Montgomery street, San Francisco, in United States gold coin.

Any stock upon which said assessment shall remain unpaid on the 26th day of September, 1864, will be advertised as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

J. A. RAWSON, Secretary.

Office, No. 338 Montgomery street, August 24, 1864. [9-4t

Steamboat Silver Mining Company, Sierra District, Humboldt County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable on the 5th day of August, 1864, in United States gold coin to the Secretary, at the office of the Company, or to JAS. T. MACLEAN, Superintendent at the mines.

Any stock upon which said assessment shall remain unpaid on Saturday the 10th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 26th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. S. O. PUTNAM, Secretary.

Office, N. E. cor. Jackson & Front streets, up stairs, San Francisco. 7-4t

Lost!

Certificate No. 191, of 150 shares, of the Table Mountain Copper Mining Company's Stock, standing in the name of N. B. Edmiston. All persons are cautioned against negotiating for the same, as transfer has been stopped.

M. G. ELMORE, Secretary,

San Francisco, August 25, 1864. [9] T. M. Cop. M. Co.

Santa Maria Silver Mining Company, Belle Silver Mining Company, Imperatrice Silver Mining Company, Maryland Silver Mining Company. Location, Santa Fe District, Lander county, N. T.

Notice.—There is delinquent upon the following described stock, on account of Assessments levied on the 23d, 24th and 25th days of February, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

SANTA MARIA S. M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
H B Underhill,	Cert No. 1, 2, 3 25 shares each	75	$37 50
C R Choate,	Cert. 4, 5 25 shares each	50	25 00
J H Huston,	Cert 6, 7, 9, 10 No Shares 20, 20, 20, 20 cert 13, 14, 15, 17, 20, 23, 24 shs 10, 10, 10, 10, 10, 5, 5	140	70 00
John D Moore,	Cert from 31 to 35 inc 20 shares each	100	50 00
John D Moore,	Cert from 36 to 45 inc 10 shares each	100	50 00
John D Moore,	Cert from 40 to 55 inc 5 shares each	50	25 00
O B Westcott,	Cer 50, 10 shs & 57, 5 shs	15	7 50
R Porterfield,	Cer 05	10	5 00
M I Ryan,	Cert 79, 84, 85 10 shares each	30	15 00

BELLE SILVER M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 6 No. Shares 20, 20, 20, 20, 10 cert 7, 8, 9, 13, 22, 25 shs 10, 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 87 inc & 39, 40, 10 shares each	90	45 00
John D Moore,	Cert from 41 to 45 inc 5 shares each	50	25 00
H B Underbill,	Cert No. 55	12	6 00
Geo R Choate,	Cert No. 56	13	6 50
O B Westcott,	Cert No. 58, 10 shs & No. 59, 5 shares	15	7 50
M I Ryan,	Cert 80, 83, 84, 85 No. Shares 50, 25, 25, 25	125	62 50

IMPERATRICE S. M. CO. (Asst levied Feb. 24, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 5 No. Shares 20, 20, 20, 20, 20 cert 7, 9, 15, 17, 18 shs 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 40 inc 10 shares each	100	50 00
John D Moore,	Cert from 41 to 50 inc 5 shares each	50	25 00
H B Underhill,	Cert 51	13	6 50
Geo R Choate,	Cert 52	12	6 00
Robert Steer,	Cert 02	10	5 00
M I Ryan,	Cert 89	25	12 50

MARYLAND S. M. CO. (Asst. levied Feb. 25, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 8, 9, No. Shares 20, 20, 20, 20, 10 cert 13, 14, 19, 21, 22, 23, 24, 28 shs 10, 10, 5, 5, 5, 5, 5, 5	140	$70 00
John D Moore,	Cert from 29 to 33 20 shares each	100	50 00
John D Moore,	Cert from 34 to 43 10 shares each	100	50 00
John D Moore,	Cert from 44 to 53 5 shares each	50	25 00
O B Westcott,	No. 59, 10 shares & 60 5 shares	15	7 50
M I Ryan,	No. 87	50	25 00
H P Handy,	Cer 70, 71, 73, 74, 75 No Shares 25, 25, 25, 15, 15 cert 76, 77, 78, 79 shs 5, 5, 5, 5	125	62 50

And in accordance with law and an order of the Board of Trustees made on the aforesaid dates, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Companies, 305 Montgomery street, San Francisco, on Thursday, the 15th day of Sept. 1864, at 11 o'clock, A. M. of said day, to pay said delinquent assessments thereon, together with the cost of advertising and expenses of sale.

San Francisco, Aug. 8th, 1864. J. S. LUTY, Sec'y.

7-4t Office, 305 Montgomery Street.

Salamander Gold and Silver Mining Company, Mill Valley District, Calaveras County, State of California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of ten cents per share was levied upon the assessable capital stock of said Company, one-half payable on the 16th day of August, 1864, in United States coin, to the Secretary of said company, and the balance payable in thirty days from said 16th day of August.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 4th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. D. GALLAGHER, Secretary.

Office, No. 35 Metropolitan Block. 8-4t

San Francisco Moss Ledge Company, San Francisco District, A. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 16th day of August, 1864, in United States Coin, to the Secretary, at his office, No. 618 Merchant street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

ROBT. T. POLK, Secretary.

Office, No. 618 Merchant street.

Silver Mountain Mining District, California.

Annual Meetings.

Mammoth Gold and Silver Mining Co.,			September	9, 1864.
Napa	do	do	do	12, 1864.
Sierra Nevada	do	do	do	12, 1864.
Baltimore	do	do	do	15, 1864.
Wisconsin	do	do	do	17, 1864.
Eldorado	do	do	do	16, 1864.
George Washington No, 2		do	November	17, 1864.
Silver Creek Gold and Silver Mining Co.,			September	17, 1864.
Tip Top	do	do	do	17, 1864.
George Washington		do	do	17, 1864.
Illinois	do	do	do	19, 1864.
Silver Prize	do	do	do	20, 1864.
Silver Prize No. 2		do	October	7, 1864.

The above Mining Companies will hold their Annual Meetings, on the days above named, at No. 430 Montgomery street, San Francisco, for the purpose of electing Trustees for the ensuing year.

8-2t J. WARREN CLARK, Secretary.

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessment No. 7, levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atkinson, Nathan	245	100	$100 00
Boylan, Joseph	26 to 30 inc—ea 20 shs	100	100 00
Bulford, J L	unissued	25	25 00
Boody, Mrs Anna	176	2	2 00
Bowen, C F	207	10	10 00
Bowen, C F	226	5	5 00
Chevallier, V	113	5	5 00
Collins, E S	232	10	10 00
Dow, J G	254	5	5 00
Dulip, J P	15	10	10 00
Dyer, W D	49 50—ea 0	10	10 00
Dall, J H	70 80-ea 50	100	100 00
Finance, A	165	10	10 00
Gay, A C	256	53	53 00
Geiger, John G	258	6	6 00
Hughes, Chas	134	5	5 00
Kendall, S	183 184—ea 5	10	10 00
Kendall, S	100 192—ea 5	10	10 00
Marina, E J de Sta	214 to 217 inc—ea 10	40	40 00
Marina, E J de Sta	218 210—ea 5	10	10 00
Matthieu, A	138	10	10 00
Marguerere G	159	10	10 00
Morris, Josiah,	209	162	162 00
Martinon, L M de	166	20	20 00
Rice, A W	70 77—ea 5	10	11 06
Richards, Jas R	260	85	85 00
Smiley, James	90	50	50 00
Thomet, N	268	10	10 00
Whitney, Geo O	204	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, on the 27th day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 7

Postponement.—The above sale is postponed until Wednesday, September 7th, 1864, at the same hour and place. By order of the Board of Trustees.

9 WM. H. MARTIN, Secretary.

Wellington Gold and Silver Mining Company, Wellington Ledge No. 2, Santa Catalina Island.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 15th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T B Deffebach	20	200	$50 00
George Gibbons	17	200	50 00
George Gibbons	not delivered	100	25 00
W J Woodley	14	25	6 25
W J Woodley	15	25	6 25
W J Woodley	not delivered	100	25 00
G A Vanaeckel	not delivered	450	112 50
Noble Lovely	not delivered	150	37 50
Capt N Haynes	not delivered	200	50 00
H Lovely	5	25	6 25
Geo E Davis	8	50	12 50
A J Chase	6	50	12 50
B G St. John	7	25	6 25
D C Breed	9	50	12 50
M D Gardner	10	100	25 00
E J Christian	not delivered	50	12 50
John S Butler	34	20	5 00
Charles W Pool	27	20	5 00
Charles W Pool	33	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 15th day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at Public Auction, at the office of the Secretary of said Company on the 3d day of September, 1864, at the hour of 10 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale

S. C. GARDNER, Secretary,

Office, 605 Sacramento Street, San Francisco. 8

Wide West Copper Mining Company, Copper Canon District, Calaveras County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 14th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Brooks, A	18	50	10
Currier, R A	45	6	1
Felton, H T	20 21 81 82 121—ea 10 shs		10 20
Geddis, Wm H	85 86—ea 50 shs		20
Geddis, Wm H	87 88—ea 25 shs		10
Hanson, C	08	50	10
Holbrook, B F	31	15	6
Klein, S	29	10	2
Klein, S	30	5	1
Linsley, E W	103 104—ea 50 shs		20
Linsley, E W	105 106—ea 20 shs		8
Linsley, E W	110 107 108—ea 10 shs		6
Linsley, E W	111	11	2 20
Otis, Stephen	39	150	30
Otis, Stephen	74	150	30
Otis, Stephen	84	40	8
Paine, H G	97	28	5 00
Rawson, J A	27	10	2
Rawson, J A	47	5	1
Shaw, E H	23 24—ea 10 shs		4
Shaw, E H	25	5	1
Turner, W J	54	26	5 20
Davenport, A O	01	25	5
Davenport, A C	02	13	2 60
Demill, E G	94	12	2 40
Demill, E G	93	25	5
Logan, James	67	150	30

And in accordance with law, and an order of the Board of Trustees, made on the 14th day of July, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the company, No. 621 Clay street, San Francisco, on the 27th day of August, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 7

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 621 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 3d day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. G. ELMORE, Secretary.

† Office 621 Clay street, San Francisco. 8-4t

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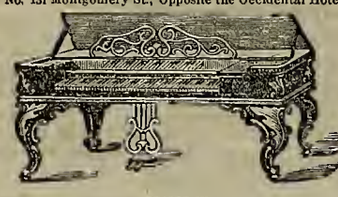

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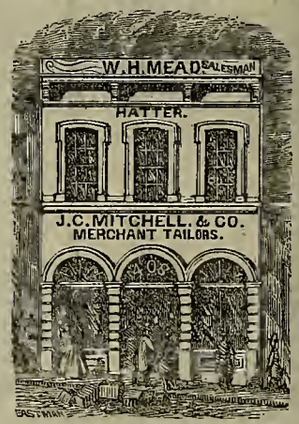

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SAN FRANCISCO, SATURDAY, SEPTEMBER 10, 1864.

VOLUME IX. Number 11.

[From the Mechanics' Fair Daily Press.]

AN HISTORICAL SKETCH OF THE MECHANICS' INSTITUTE OF THE CITY OF SAN FRANCISCO.

There are but few associations in this State which have attained a greater success, and perhaps not one which has been productive of more lasting benefit to our physical progress, than the MECHANICS' INSTITUTE of San Francisco; and it seems particularly appropriate that, on the eve of this, the "Fourth Grand Industrial Exhibition" of the Institute, we should briefly pass in review some of the principal incidents in the history of the Association since its first, organization. Like all other great enterprises, this has also been attended with many difficulties, and much labor and expense. But, thanks to the liberality and energy of a few who knew no such word as "fail," the Assoc ation is now apon a most substantial and enduring basis. The society is deserving of the highest encomiums for its untiring efforts and zeal in promoting the welfare and advancement of the workingmau and of home iadustry throughout the State.

ITS ORIGIN.

The first meeting of the Mechanics of the city of San Francisco, for the purpo e of organizing the association now known as the "Mechanics' Institute of the City of Saa Francisco," was held nt the offiee of the Tax Collector, in the City Hall, on the eveniug of the seventh day of December, 1854. At this meeting MR. GEO. K. GLUYAS presided, MR. RODERICK MATHESON acted as Secretary, and MESSRS. BENJAMIN HEYWOOD, ROD. MATHESON, J. S. WILLIAMS, E. T. STEEN, and HENRY E. CARLTON, were appointed to draft a constitntion and by-laws for the propos·d association. On the sixth of March following, that committee made its report, and on the 29th day of March, 1855, the Institate was fully organized by adopting the constitntion, and electing the following officers: Benjamia Haywood, *President;* John Sime, *Vice President;* P. B. Dexter, *Recording Secretary;* Wm. M. La Roche, *Corresponding Secretary;* Gardner Elliott, Geo. Cofran, S. H. Williams, James Ballentine, John C. Mncready, Eli Cook, and S. G. Bugbee, *Directors.*

On the 12th of the next April, the Associatiou adopted a code of by-laws, rules of order, and regulations for the library aad reading rooms. On the 24th day of the same month, the proper certificate was filed in the office of the County Clerk of the county of San Francisco, by which the Institute became a corporate body, under the general incorporate act of the State of California. By the terms of the constitution, their annual election is fixed on the first Friday of each year. By reference to the first annual report of the President, made on the 5th day of March, 1856, we find that The total receipts for the year were $1,106.86
The disbursemeuts were 1,085.37

Leaving in the treasnry $ 21.49

The following officers were elected for the ensuing year: Roderick Mathesou, Presidcut; Gardner Elliott, Vice President; P. B. Dexter, Recording, Secretary; Eli Cook, Treasurer; H. F. Williams, Corresponding Secretary; C. L. Taylor, Wm. McKibben, D. Van Pelt, G. D. Street, J. E. Kincaid, F. P. Swett, and Jonathan Kittredge, Directors.

The number of members at that time enrolled was 282, only 92 of whom had paid their quarterly cues. A library and reading-room had already been established, and provision made for a regular course of lectures. The library, at the date of the report, consisted of only 487 volumes all told. The first book placed in the library was "Loudon's Encyclopedia of Architecture," which was presented to the Institute by S. C. Bugbee, April 5, 1855.

On the 4th of March, 1857, the second annual report was made by the acting President, Mr. Gardner Elliott, from which it appears the prospects of the Institute, at that time, were quite gloomy; so much so that Mr. P. B. Dexter, who then ns now filled tbe position of Librarian aad Cor. Secretary, with a view of aiding the associatioa, gencrously offered gratuitously to perform the duties pertaiuing to his offices, until such an improvement in the affairs of tbe Institute should take place as would enable it to compensate him, without increasing its liabilities. It appears that the receipts and expenditures of the association, for the year ending on the 4th of February, were as follows:—

Total receipts for the year $2,448.98
Disbursements for the year 2,121.50

Leaving a balance of $ 323.48

About 400 volumes were added to the library, 172 of which were purchased, the remainder being donated.

The following officers were elected for the ensuing year: John Sime, Pres.; Gardner Elliott, V. P.; P. B. Dexter, R. S.; J. E. Kincaid, T.; H. F. Williams, C. S.; Daniel Van Pelt, G. D. Street, C. L. Taylor, J. A. Banks, Wm. McKibben, Eli Cook, and J. E. Davis, Directors.

The officers chosen at subscquent annnal clections were ns follows:

1858—John Sime, President; Daniel Vnn Pelt, Vice President; P. B. Dexter, Recording Secretary; H. F. Williams, Corresponding Secretary; John E. Kincaid, Treasurer; Thomas Tenneat, B. H. Freeman, John N. Risdon, Peter Donahue, J. D. Pierson, A. E. Phelps and Henry McNally, Directors.

1859—George Cofran, President; Geo. D. Street, Vice President; P. B. Dexter, Recording Secretary; W. F. Herrick, Correspondiug Secretary; John E. Kincaid, Treasurer; Thomas Tennent, C. S. Hobbs, T. S. Oldham, Gardnor Elliott, Franklin Knox, Benjamin Dore and Wm. Parker Taylor, Directors.

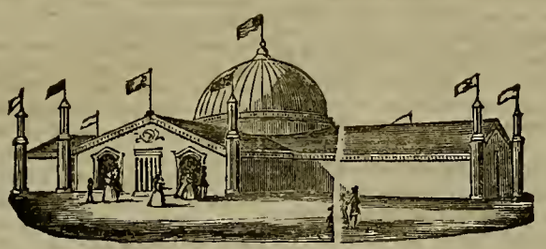
1860—Thomas Tenneut, President; John W. Cherry, Vice President; P. B. Dexter, Recording Secretary; W. F. Herrick, Corresponding Secretary; John E. Kincaid, Treasurer; Gardner Elliott, Benjamin Dore, Paul Torquet, Henry L. King, John P. Buckley, James A. Sperry and A. H. Houston, Directors.

1861—John P. Buckley, President; Wm. McKibbin, Vice President; P. B. Doxter, Recording Secretary; J. A. Magagnos, Corresponding Secretary; John E. Kincaid, Treasurer; John R. Sims, G. W. Gilmore, C. M. Plum, Aaron Doud, Paul Torquet, Frank Eastman and Nathan Porter, Director.

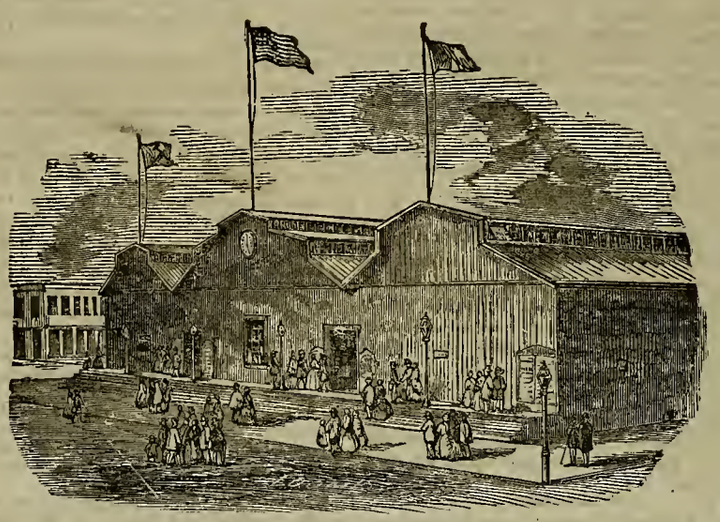
1862—B. H. Freeman, President; Paul Torquet, Vice President; P. B. Dexter, Recording Secretary; H. F. Williams, Corresponding Secretnry; John E. Kincaid Treasurer; Wm. Birny, Jos. Britton, Wm. T. Garratt, D. B. Hinckley, W. H. Howland, John Roach and N. P. Perine, Directors.

1863—Joseph Britton, President; Alexaader Buswell, Vice President; P. B. Dexter, Recording Secretary; H. D. Dunn, Corresponding Secretary; J. O. Hanscomb, Treasurer; E. N. Torrey, D. A. McDonald, David Stoddart, Wm. Hawkins, S. S. Culverwell, P. J. O'Connor aad A. C. Austin, Directors.

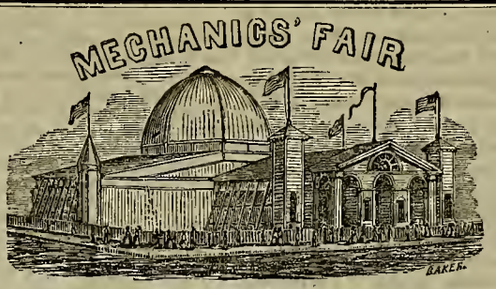
1864—Joseph Britton, President; A. S. Hallidie, Vice President; P. B. Dexter, Recording Secretary; H. D. Dunn, Corresponding Secretary; Edward Nanan, Treasurer; P. J. O'Connor, W. H. Knight, C. R. Steiger, E. N. Torrey, W. H. Bryan, H. F. Williams and Jas. A. Pritchard, Directors.



MECHANICS' PAVILION OF 1858.



MECHANICS' PAVILION OF 1860.



PAVILION OF 1864

THE FIRST INDUSTRIAL EXHIBITION.

On the first day of May, 1857, a circular was issued by the Executive Committee, giving notice that the First Exhibition of the Institute would be held in San Francisco, to eommence on Monday, the 7th day of September, and continuing at least ten days.

In the effort to find a suitable building in which to hold the Fair, it was discovered that the city did not afford one. It was then determined to erect a temporary structure which should answer the purpose. At this juncture MR. JAMES LICK came to the aid of the Institute, and generously tendered the free uso of his convenient block on Montgomery street, the same on which now stands the Lick House. After much consideration a design was accepted from Messrs. Clark & Keuitzer, architects. The general plan was that of a Greek Cross, surmounted by a large swelling dome, ninety feet in diameter. The structure covered about 20,000 feet of ground. A correct representation of this pavilion is given on this page. The Fair was held, ns per appointment. The opening address was delivered by Henry F. Williams, a member of the Executive Committee, and a poem was written for the occasion and delivered by the lamented Edward Pollock, Esq. Some extracts from this poem will be found in another column of our present issue. The closing address was pronounced by the President, Mr. John Sime, Esq. The financial report of this exhibition reads as follows:

Total receipts from all sources $22,347.63
Total expenses 17,969.20

Leaving a balance of $ 4,378.43
From which was subsequently paid for printing Report 1,500.00

Leaving a net balance of $ 2,878.43

The pavilion was allowed to stand, and was used for the second exhibition, which took place the ensuing year. This building, and other property of the Institute, exclusive of the library, was then valued at $5,390. The number of articles exhibited at the first Fair of the Institute was 941.

The California Horticultaral Society held its first annual exhibition in the same pavilion, in connection with the Institute.

The third annual report was presented by the President, John Sime, Esq., on the 5th day of March, 1858, from which it appears that the prospects of the Institute, had, at that time, assumed a much more favorable appearance.

On the 17th of April, 1858, the Executive Committee issued a circular announcing that

THE SECOND INDUSTRIAL EXHIBITION

would be held at the Institute Pavilion, commencing on Wednesday, September 1st, and continuing open fifteen days. The State Horticultural Society again joined with the Institute in holding *their* second exhibtion at the same time and place. The opening address on this occasion was delivered by Jas. A. Banks, Esq., and the closing address by Rev. A. H. Myers, of Alameda. The whole number of articles exhibited on this occasion was 682. The receipts of this second exhibition amounted to $15,541.50
Expenditures 13,569.43

Net balance $ 1,972.07

The list of members of the Institute, as published in the report of this second exhibition, numbers 452.

From this time until the summer of 1860, a period of nearly two years, the records of the Institute present no features of especial interest. The organization was conducted in a quiet unobtrusive manner, gradually increasing its library, and keeping up its membership. Much good was effected by the influence which the Association exerted over its membership and over the mechanical interest of the city generally. The benefits of the library were enjoyed by a large number of persons, mechanics and others, who were not enrolled as active members of the Institute.

Early in the spring of 1860, the proposition began to be discussed for holding a

THIRD INDUSTRIAL EXHIBITION.

This step was finally resolved upon, and an arrangement made with Mr. Lick for a new lease of his lot on Montgomery street, for the purpose of putting up another Pavilion, the old one in the meantime having been removed. This structure, a correct representation of which has been furnished by our engraver, and placed immediately under the view of that erected for the two previous exhibitions, was parallelogram in shape, occupying 150 feet on Montgomery street and extending 200 feet on Sutter. Its cost was $8,450. The Exhibition opened on the 3d of September, under quite flattering auspices. The opening address was pronounced by J. W. Cherry, Esq. Notwithstanding the hopes of success which attended the initiation of this Exhibition, though highly creditable to the skill and industry of the city and State, it was far from a pecuniary success. The receipts fell some two or three thousand dollars short of the expenses, and placed the Institute under quite embarrassing circumstances.

From this time until the fall of 1863, a little less than one year ago, the Institute was in a languishing condition—in debt and discouragement. In the spring its income had become reduced to $50 per month, *below expenses*, and the Association was actually considering whether it would be better to sell its library at public auction to pay its debts, and disband, rather than make another effort to recuperate and place itself once more in a condition to benefit itself and the community by an active existence. About this time the landlord's calls began to be pressing and the Institute received a pretty direct notice to vacate the building which it occupied. After several meetings of consultation, and under the influence of a few of the more energetic members, the Institute wisely resolved to keep up its organization, and to put forth its most determined energies to extend its usefulness and deserve a generous support from the public. Mr. Joseph Britton, the active and efficient President of the Association, was at once empowered to carry out a series of measures which he had himself suggested, to accomplish the desired end.

In the meantime the books and other effects of the Association were stored and the building on Montgomery street given up, while the President and other members of the Institute went energetically at the work before them.

Numerous meetings were held; public sympathy was attracted to the efforts which the Association was making to help itself, and the result was soon made manifest in the elegant and convenient suit of rooms, now occupied by the Institute in a building belonging to itself and yielding a monthly rent of $100 in addition to the occupancy of the Association. The result has been very gratifying, not only to the parties most directly interested, but to the entire community as well. The lot and building, has cost the Institute $15,323, all of which, we believe, has been paid up, with the exception of $6,000, which is secured by a mortgage on the premises.

FIRST MEETING IN THE NEW BUILDING.

On the evening of October 28, 1863, the Institute met for the first time in their own building. The meeting was fully attended. On calling it to order, the President, made some appropriate remarks, congratulating the members on the work they had accomplished. The membership at that time was stated to be 550, the monthly dues for which reached $275, which together with $100 per month rent from the lower story of the building, gave the Institute an income $375 per month. Energetic steps were taken at that meeting to still further increase the funds and income of the Institute, which have met with decided success. The propriety of holding a Fourth Industrial Exhibition was first suggested on this occasion.

At the close of the year a series of lectures was given which netted about $1000.

Upon re-opening the Institute in their present building, about 900 additional volumes were purchased for the library, and many others were gratuitously furnished by friends of the Institution. The library now contains about 7,000 well selected volumes, and the Reading Room is well stocked with a large number of useful and valuable periodicals, devoted to news, general miscellany and mechanics. The Institute as it now stands, is one of the proudest and most useful institutions for good on the Pacific Coast—the pride of our city, and an honor to her mechanics.

THE FOURTH EXHIBITION.

On the 19th of January, 1864, a meeting of the members was called with especial reference to considering the propriety of holding a Fair or Exhibition during the present autumn. After frequent meetings and much discussion, the plan for holding the proposed exhibition was fully matured. How successfully this plan has been carried out, let the noble edifice in which we are assembled today, with the tangible evidences of our skill and industry on every side speak for themselves.

A TRIFLING MISTAKE.—An old lady—a tolerably good representative of Mrs. Partington, while examining the many curious objects at the Mechanics' Fair, yesterday, had her attention attracted to a very neat model of a feathering float paddle-wheel, in which by some accident one of Grover & Baker's sewing machine cards had been placed. The old lady picked up this card, supposing that it contained some description of the machine, wiping her spectacles and placing them on her venerable nose, she read the card, from which her eyes wandered to the machine in evident bewilderment, till finally, credulity conquering scepticism, she exclaimed in evident delight, "La, is that one of Grover & Baker's sewing machines! I never should have thought it! Well, I declare. I have heard that this great firm have so improved their machines that they make them do all kinds of sewing, but I did not think it possible that they could make them sew without needles or thread—but there is no limit to these Yankee geniuses!!

THE PRESS AT THE FAIR.—The faithful reporter of the *Evening Bulletin*, (the sheet which furnishes us the latest telegraphic items) gives us the following *clever* notice:—

William P. Harrison has a job printing press in operation, and the *Scientific Press* proprietors strike off and give away thousands of their little sheet, entitled *The Mechanics' Fair Daily Press*. The second issue of this paper, published last night, gave the multitude some intelligence of the *Washoe* disaster. There were great crowds all the evening about the telegraph and the presses, many of whom had their first sight at the practical working of these great motors of civilization.

School of Mines.

A school of mines is about to be established in connection with Columbia College, of New York City. It will go into operation on the 15th of November next, and will supply a want which has long been felt in that great metropolis of the Union. It is to be hoped that circumstances will soon be such as to admit of the establishment of a similar institution in this city. Those who are engaged in mining operations, both here and at the East, look in every direction for mining engineers, and those properly conversant with the management of the varied operations connected with the business of mining they generally look in vain for one of our countrymen so fitted. Resort is generally had to some person of foreign birth, or at least to one who has obtained the necessary qualifications in a foreign school. Often, because of this lack, capitalists lose large amounts of money by committing their interests to incapable men. It is only by placing our mines under the management of capable and efficient men that they can be made certainly productive. We have the richest mineral country in the world, and stand second in extent of our actual operations; yet we have not a single school in all the land devoted to fitting our young men to enter this great field of enterprise! It is wrong that our young men should be compelled to go abroad for that which it is a high duty we should teach them at home. The New York *Post*, in speaking of the importance of the school about to be established in that city, makes the following pertinent remarks:

Without theoretical knowledge there can be little forethought and economy in practice. Unfamiliar circumstances are bewildering, and lead to disastrous experiments. In the beginning of art there is always a characteristic waste of time, money and material. It is our business at present to learn to save. Our finances demand a general and judicious working of our mines. This can only be achieved by learned and discriminating engineers, whose judgment, ripened by education as well as experience, will prevent futile essays. The utility of scientific schools is more keenly felt, or more heartily acknowledged, after they are in operation than before; nevertheless the feeling of the public at present is favorable to them. Our gigantic war has made our thoughts more comprehensive and generous, and schools of applied science are springing up in many States under the immediate patronage of the legislatures.

In foreign countries the schools of mines are usually national, and there is no European state so small as to be deficient in them. But the mines are for the most part owned by the governments, who furnish experts for their due working and conservation. Our citizens own our mines; it is, therefore, fit for them to encourage the formation of a class of engineers so important to private and public interests. Columbia College asks for the encouragement of the public in this enterprise. It will receive with gratitude gifts of minerals, models and moneys, because at this time it is not able itself to do all that is desirable for the school.

The College has elected to the principle chairs the best instructed men to be found; some of them are graduates of the famous Imperial School of Mines at Paris, others are distinguished graduates of West Point.

With this force of professors, the standard of instruction here will be as high as it is abroad. The constant communication which the school already holds with foreign schools and engineers will keep it promptly informed of all the novel ideas and experiments in other parts of the world, while the results of our own lively invention and intelligent research will contribute more brilliantly to our glory and usefulness, by having a center from which they can emanate to others with the stamp of a recognized institution.

NEW MINERAL SPRINGS.—It is said that some new mineral springs have been discovered about ten miles from Santa Clara. The waters are said to be of very superior health giving qualities. It is rumored that Leland, of the Occidental, is to build a hotel near by. A large quantity of land adjoining the springs has been pre-empted for the purpose of the necessary buildings, grounds, etc. California no doubt abounds in medical springs, many of which, even if discovered, are not yet known as possessing any healing virtues.

THE OPENING OF THE FAIR.—Hon. John Conness delivered the opening address for the Fair of the Mechanics' Institute at Platt's Hall, according to announcement, on Friday evening. The address was listened to by a crowded house. It consisted merely of an interesting historical account of the rise, progress and development of the industrial interest of California. The address will be found, entire in this paper. The Pavilion was opened to visitors at 11 o'clock on Saturday morning, although many of the exhibitors were not ready. The large amount of heavy machinery which has been introduced requires more time for its erection than was anticipated.

In the evening the streets, houses and grounds adjacent to the Pavilion were crowded to witness the display of fire-works which were prepared for the occasion. The two principal pieces were particularly appropriate; the first an inscription "Mechanics' Institute, 1864," surmounted by a large wreath, inclosing an artisan's arm wielding a sledge. The second piece was a representation of a colossal beehive, with the motto, "By Industry we Thrive." The Pavilion itself was lighted up and crowded with men, women and children. The exhibition may now be considered fairly inaugurated. It will prove a grand success.

THE CONTENTS OF THE PAVILION.—For the purpose of conveying as much information as possible to those who may be unable to visit the present Fair, we propose publishing in the MECHANICS' FAIR DAILY PRESS and the MINING AND SCIENTIFIC PRESS a list of the most interesting objects on exhibition, which for convenience sake we shall divide into six different departments under the following heads:—Raw Materials, Manufactures, Machinery, Natural Productions, Works of Art, and Miscellaneous. This plan we think will greatly aid the general reader to comprehend the number, variety and extent of the contents of the building erected for the fourth Fair of the San Francisco Mechanics' Institute. To this end we have secured the services of a gentleman conversant with each branch.

THE THREE PAVILIONS.—We have deemed it a matter of sufficient interest to our readers to give in our present issue, for permanent record, a correct illustration of each of the three pavilions which have been erected by the Mechanics' Institute of this city, for the convenience of their several Industrial Exhibitions. They will be found upon our first page, (the third pavilion being in the head of our Fair paper,) and will be recognized by all familiar with those structures, as correct representations.

A DOUBLE APPLICATION OF ONE PRINCIPLE.—Two brothers named Salmon, exhibit at the Mechanics' Fair, a Patent Churn and Patent Amalgamator, both working by the application of the same principle. One has to stretch the imagination considerably to comprehend the connection between the extracting of butter from cream and gold from quartz; but these ingenious machines demonstrate that the same power that can perform one operation is adopted for the other.

CHINESE COTTON.—In our list of raw materials on exhibition at the Fair, we might have included a very fine specimen of Chinese cotton, exhibited by Chy Lung & Co., Chinese merchants on Sacramento street. But as cotton is never likely to become an article of home manufacture, and its history, properties, and the consequences its cultivation has brought on the country are so well known—we did not refer to it—particularly as the sample was imported.

WHAT NEXT?—A genius—a regular Yankee as a matter of course, has on exhibition at the Mechanics' Fair, a machine for roasting coffee, which moves by clock work, and will keep constantly stirring from an ounce to a bushel of coffee so as to secure its being browned to perfection.

A ROPE WALKER announces that he will walk on a rope over Niagara Falls, on steel stilts.

THE EXHIBITION A SUCCESS.

The grand Industrial Exhibition is attracting large crowds of men, women and children to the Pavilion. The attendance on Saturday night was between three and four thousand. The number of visitors since has constantly increased. The exhibition is already a success, and by far the most extensive and creditable which has ever been presented on the Pacific coast. The visitor is completely lost in bewilderment at the vastness of the area, the almost endless variety of the exhibition and the interminable extent of avenues which have been most judiciously laid out in graceful meanderings among the profusion of tables, stands, pyramids, showcases, columns and cosey little recesses which appear and disappear by turns, as the admiring visitor threads his way along the mile and a half of distance which he must traverse to make the full round of this glorious palace of California industry. Of course no one or two visits can convey any adequate conception of the extent, variety or interest of the exhibition. Every department should be made a study, and visited again and again. If the reader will follow us carefully through our daily reports, which we intend to make as full and complete as a month's constant attention will admit, he will doubtless find many a hint thrown out with regard to the various articles on exhibition, which none but the practiced skill and observation of a professional reporter would be likely to discover.

The managers deserve the highest credit for the taste and judgment they have thus far displayed in the arrangement and conduct of the exhibition. Refreshments are provided for the hungry, and mild potations for the thirsty; while the lovers of music will be entertained, during the evening hours, by bands of music stationed just in front of the central floral display, and under the south side of the great dome of the Pavilion. The view from these galleries is very imposing.

Taken as a whole, Californians may well be proud of this grand exhibition of their skill, industry and taste. It is most emphatically, what it was designed to be—an exhibition of California industry. Those who have witnessed the previous exhibitions in this city, cannot fail to notice the marked superiority of this over either of its predecessors, in the way of a prominence of home over foreign industry. This distinctive feature forms a most interesting subject for gratulation, and affords the most indubitable evidence of the rapid progress which this new State is making in those great industrial pursuits, without which our gold would be as dross and our silver as worthless stones. The present exhibition will form a most important era in our history as a State, and we trust will stimulate to still more important exertions in the great race of progress which we are now so successfully making with the older communities of the Atlantic States and Europe.

How is It.—Is not the Mechanics' Institute of this city entitled to the "premium" for the largest and best Daily Fair Paper ever issued from any Industrial Exhibition in any part of the world? How is it? Is there any committee of one or more competent to report correctly upon this point? If any one can refer us to an organization better entitled to the premium, we will subside. If not, we claim for the San Francisco Institute the "feather."

Limberger Cheese.—This loud smelling substance, considered such a luxury by many, is prepared in this State by making ordinary cheese and burrying it under heaps of manure, till the odor of the pile has been thoroughly imparted to the cheese. The more rank and offensive the odor the more delicious is the cheese considered by epicures. There is no accounting for taste, particularly for such a taste.

Monthly Dividends.—The monthly dividends on the capital stock of the Savage and Gould & Curry Companies, declared Saturday amount to $50 each per foot.

IN MEMORIAM.

We republish the following beautiful lines, written by California's truest poet, the lamented Edward Pollock, at the opening of the Industrial Exhibition of the Mechanics' Institute in 1857. Like choice wine, this product of genius seems to improve with age, and is as applicable in many of its points to the Fair of to-day as to that given seven years ago.

Kings hold their courts, and Presidents
At lovees show their several beats
For shrewd intrigue, or for display,
As best in crowds of fools they may;
In stainless uniforms appear
Our harmless soldiers once a year;
Through mud, (for Nature never yet
Saw Firemen but her eyes were wet,)
In shirts well sprinkled—red or blue,
Or clad in capes of darker hue—
Still, once a year, with splash and noise,
To man the ropes, come forth the "boys";
Well pleased at each procession's close
To calm their quarrels, soothe their woes,
By swallowing, in forgiving vein,
Frank Whitney's chowder and champaign!

The Politicians—harmless souls!—
The night before they sought the polls,
Were wont, till lately, to disclose
In line their forces to their foes.

The Clergy—may their tribe increase—
Each Sunday don their robes of peace,
And mark with due precision down
The gathering evils of the town.

The mournful Doctors, save or slay,
With pomp, their patients every day.

The Lawyers, (to which saintly throng
I, for my many sins, belong,
But ne'er forgetting, nor should you,
That I am a Mechanic too);
The Lawyers, with a learned air,
Diurnally to courts repair,
And there do—nothing!—with such grace,
And formidable length of face,
That at their slow, mysterious nod,
Their beaten clients must applaud.

Shows all—all shows—so let them pass,
Swift images along the glass.
We envy not the courtly air
Of princes, pranked and debonair;
We envy not the proud display
Of any White-House gala-day.
And why? Because in manhood's pride—
Young beauty blooming by their side—
Our best may say, with fearless brow,
To each, to all around them now,
"Away with ball, or court, or throne!
To-night, Mechanics, is our own."

The holy night when homes are sweet;
When fire-side circles fondly meet;
When smiles, and light that seems a smile,
And cheerful talk, the hours beguile;
And joy, as of a battle won,
Comes with the sense of duty done;
And strong resolves for further toil
Succeed remembrance of turmoil;
And calm delights, that seem again
To freshen, as with genial rain,
The social Eden's dusty bowers;—
Such nights, Mechanics, all are ours!

What pictures does the mind recall
Of scenes like these, endeared to all!
Work done, and tools bestowed aside,
The HOME is sought with honest pride.
The fire is bright, the table spread,
The lamps their cheerful radiance shed;
The grandsire, spectacles on nose,
Half reads the paper in a doze;
The school-boys, leaving tops and drums,
Bring forth their slates and "prove" their sums.
The sweet young wife displays with glee
The baby that adorns her knee,
And mother's hand pours out the tea.

In such night-scenes we found our joys
When we were all apprentice boys;
In such night-scenes we found again
Our joys as working journeymen;
And here, on this Pacific Coast—
Our land, and all it holds, our boast—
Is it not fitting, fair and right
Our Institute should choose the night
To first present her name to light!
To say—"Beneath yon moon-lit dome
Artistic labor finds a home!
No sunshine need his curves adorn,
For eve is the Mechanic's morn."

What need to praise, upon my part,
The genius of Mechanic Art?
She speaks—from quarries, woods, and mines,
Behold, like light a city shines!
She waves her wand—the seas are white
With ships impatient in their flight!
Her finger traces—and its course
Is followed by the iron horse!
Through the deep seas, from which the heart
In wildest phantasy will start,
She looks—and lo! the magic wire
Transport her messenger of fire!
For her the blacksmith swings his sledge,
The builder grinds his hatchet's edge,
All workmen labor as she says:
All matter her behest obeys;
All shapes are facile at her nod,
From the rude cabin—logs and sod—
To temples of the living God.

Mechanics! to your hands we owe
Whatever we behold below,
From nature taken, and designed
To suit the changing human mind.
And more, Americans! Our State,
So young, and yet so proudly great,
In peace or war, an always true
Support, defence, demands of you;
And all who love the UNION pray
That, 'till the earth shall pass away,
Her strong armed sons may ever be
Industrious, honest, brave and free.

Shade and Sunshine.—Were you ever in a state of despondency, good reader? clouds overhead, shadows on the heart, gloom all around, when suddenly something, somebody, stepped in, like a streak of summer-shine, to drive away melancholy, brighten up the brain, set the blood coursing through your veins like a merry brooklet, and make all your surroundings a scene of happiness and beauty? Did it go away again, suddenly, as it came, leaving behind a pall of deeper darkness, filling the soul with doubts and misgivings, foreshadowing the bridal or the grave, you know not which, hope vainly struggling to lift itself above despair, the mind at sea without a rudder, the whole body as it were frozen in a moment, even with a smile upon its lips, by the mere touch of any icy wand? If you have experienced these things, then you know something of the difference between shade and sunshine, the immortal shade and sunshine, which come and go we scarce know how or why.

The Progress of Discovery.—The many and so differently constituted apparatuses for separating gold and silver from the rock, after it has been crushed, to be seen on exhibition at the Mechanics' Fair, afford a striking illustration of the extent of the investigations and progress of this most important branch of science.—Some of these amalgamating machines, as they are generally termed, are constructed on strictly scientific principles, while others—and not the least useful by any means—are constructed on the results of the observations of experienced practical men. Although an apparatus meeting all the requirements of miners has not yet been constructed, the exhibition of so many of those recently introduced to notice, in operation side by side, as they are at the Fair, must by exhibiting the advantages and defects of each, greatly aid the inventor in his labors, as they certainly do exhibit the progress of discovery in this branch of science.

The Old King the Best.—While examining the various kinds of washing machines on exhibition at the Mechanics' Fair this morning, an individual, who appeared to take a profound interest in their construction, examining them all most minutely, after concluding his investigations, came over to where we were standing, and drawing a long breath, as if a weight had been taken from his bosom, said in a sort of half confidential manner: "Say, Mister, don't you think, after all, that the old kind of machine which combines the washing with the sewing machine and which locomote themselves about, are the best and cheapest for a single man to procure?" That fellow had such a clear conception of the case, we at once concurred, though several of the machines on exhibition at the Fair are well contrived for the purpose of washing.

Interesting Scientific Discovery.—One of the most curious and interesting of the recent discoveries of science is, that it is to the presence of a very small proportion of watery vapor in our atmosphere—less than one-half of one per cent.—that much of the beneficent effect of the heat is due. The rays of heat sent forth from the earth after it has been warmed by the sun would soon be lost in space but for the wonderful absorbent property of these molecules of aqueous vapor, which act with many thousand times the power of the atoms of oxygen and nitrogen of which the air is composed. By this means the heat, instead of being transmitted into infinitude as fast as produced, is stopped, dammed up and held back on its rapid course, to finish the necessary conditions of life and growth. Let this moisture be taken from the air but for a single summer night, and the sun would rise next morning upon a "world held fast in the iron grip of frost." But the power of absorption and radiation in the same body are always equal, so that at length it is poured forth into space, else our atmosphere would become a vast reservoir of fire, and all organic life be burned up.

Paul Torquet's Will.—The will of Paul Torquet was admitted to probate yesterday, upon the application of his wife, Sophia Torquet, John Melville, and Richard Ivers. The estate is supposed to be worth between twenty and twenty-five thousand dollars.

More Hieroglyphics.—We yesterday learned from a gentleman just down from the mountains that more hieroglyphics have been discovered near the head waters of the Yuba, upon some rocks on the Dutch Flat road, about half a mile to the eastward of the Summit, on the right hand side of the route, and just after passing through a cut in the rock. The inscriptions are made upon the face of a granite rock looking towards the road and about 100 feet distant on the right hand side going eastward. They are undoubtedly of comparative recent date, although their appearance would indicate that they were made anterior to any modern settlements on this Coast. Among the figures are what appears to be a double heart, an anchor, and something supposed to represent either a clock face, or a capstan. The inscriptions appear to have been made in some ancient characters—such as Arabic or something of that kind. Would it not be well for some of our *savans* who are passing over the mountains to take a look at these supposed inscriptions.

The Consumption of Coal in England.—From carefully compiled statistics collected by order of the British Government, it appears that the annual consumption of coal in that country exceeds 35 millions of tons annually, estimating the ton of coal as measuring a cubic yard it would require a vein three feet thick and eleven square miles in extent to supply this quantity. At such a rate of consumption, should the whole Island be formed of coal, it will all be "used up" almost before the coal fields of this country shall have been examined.

Modes of Threshing.—There is scarcely a fact that furnishes so strong a contrast between European and American civilization as the agricultural implements invented and used in the two countries. At this very day the peasants of Eastern Europe thresh their grain by the treading of horses or cattle, and in many parts of even England and Scotland, the labor exacting flail is still employed for the same purpose, while in all parts of the United States machines driven by steam, water or horse power, thresh the grain cheaper, cleaner, and more effectually.

Splendid Music.—Music 'tis said soothes the breast of a savage; such beautiful strains as are nightly poured forth by Frisbie's band at the Mechanics' Fair are sweet enough to soothe the soul of a saint, though we see crowds of sinners seeking its influence. San Francisco never before could boast of a band such as this, every member of which is eminent as a performer on the instrument on which he plays. The music by Frisbie's band is one of the ready attractions of the Fair, and well it may be, for it is really splendid.

The Telegraph at the Pavilion.—The State Telegraph Company have erected a booth at the Pavilion and put in a battery. Telegraphic communication is now established between the Pavilion and the "rest of mankind." Several fine telegraphic instruments, manufactured for the company, are exhibited. The company also exhibit the first telegraphic register used in California. Its rough and dingy appearance is in striking contrast with the highly finished and improved instruments now used.

"The Victory Not Always Won by the Strongest."—This old truism was well illustrated yesterday, by the committee of arrangements of the Mechanics' Fair, ordering the Limberger cheese to be carried out of the pavilion. Its abominable stench rendering it an absolute nuisance.

Hot Springs.—On Reese River there are twenty-five hot springs, from milk warm to boiling hot, and they measure from ten to one hundred feet in diameter, and from one hundred to one hundred and eighty feet in depth.

Presentation.—The great cheese, at the Pavilion, will be formerly presented to the U. S. Sanitary Commission, at 9 o'clock this evening. Rev. Dr. Bellows will respond in behalf of the Commission.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Sept. 10th, 1864.

The mining share market has been exeeedingly active the past few days and with scarec nn exceptiou nll stocks were dealt in at cnhanced rates. One or two leading shares have hecn frcely offercd and sold at material decline, hut without unfavorably influeneing the general market which exhibits more strength nnd huoyancy than for some time past. Many dealers aro of the opinion that considerable spceulation is now likely to eusue, whieh may advanee prices still lnrther. Short sellers in a eertain prominent elaim have made money rceently and huyers for a rise in nearly all others have no reason to complain of the present complexion of the market.

Reeeipts of Bullion this week from the interior are fully up to the average, and so far as we ean learn, no abatement in the aggregate yield of the mines of Nevada Territory and elsewhere is looked for at present. The money market is uuehanged, and although a fair degree of aetivity prevails, horrowers are rendily accommodated at curreut rntcs of interest, upon first elass securities. Some important loans were made this week hased upon mining stoek collaterals, and ncgotiations of this eharacter are effected with rnther more facility than formerly.

Gould & Curry has been largely sold and 62½ feet ehanged hands, opening (on Saturday last) at $1,460, steadily declining the past few days to $1,200 ex-dividend, slightly rallying to $1,235, huyer 30, nnd closing last evening at $1,225. Reeeipts of Bullion siuce the 1st inst., exceed nn average of $6,000 per day. The eompany are still drifting east from shaft No. 3, at n depth of 100 feet below the lower tunnel, and immediately heneath grounnd claimed hy the North Potosi Compauy. The new 50-horse power engine loeated in the lower level, will he at work in a few days, whieh will it is thought greatly facilitate operations in this part of the mine, nnd do away with the present hand power.

Savage is in hetter favor and advaneed during the week from $1,290 to $1,350 ex-dividend of $50 per foot paid on the 6th inst, and closed yesterday at $1,300, nsked. This Company had a surplus of some $30-000 on hand after the payment of their last dividend, and for the eurrent month, receipts of Bullion will it is said equal those of any former like period.

Potosi fell from $800 to $750, rose to $850, then reeeded to $800' and is now held with some firmness nt $850. The suit of this Company against the Bajazete, and that of the latter *vs.* the former Company, will come up before Judge Mesiek, ns n referee in both eases, on Monday next.

Chollar continues to be regarded with especial favor and steadily advanced from $550 to $675, seller 30, and closed yesterday at $665—47 feet changing hands. The new deposit disclosed in the S. W. drift, is said to improve daily. The vein at this point hns not been thoroughly explored as yet, but a large chimney of valuahle ore, will, it is belived, he found at an early day. A side drift, 40 feet in length, revcnls fine black sulphuret nnd greyish ehloride ore, throughout this entire distanee, and shafts will at onee he sunk to fully test this portiou of the mine. A late erushing of 150 tons of ore from the 4th level in the North Mine, yielded $51 per ton. During the ensuing week, it is proposed to hoist some 25 tons daily from the South Mine, nnd about 50 tons from the old works. Telegraphie dispatches state that the West wall of the ledge in the 5th level has been reaehed hy the drift from the bottom of the shaft, the vein at this depth being nearly perpendicular.

Belcher has heen inaetive and weak—$625 was hid, yesterday—$800 asked. We ean learn of no unfavorable feature in the eharaeter of this elaim, but certain work is necessary to he done, hefore the mine can be plaeed in n paying eondition again.

Ophir has hecn more active and 21 feet were sold, declining from $490 to $475 and closing at $475 asked. The Central Shaft is now down 115 feet below the level of the 7th gallery. Receipts of Bullion from the mine are averaging some $2,000 per day, which nro more than suffieient to meet current expenses.

Hale & Norcross was sold at $490 nnd is now offered nt $475. In the drift from the 545 feet level the porphyry formation has disappeared and clay and quartz have heen met with, the latter eontaining a trace of silver. Present indieations are thought to be quite favorable. Yellow Jaeket was sold yesterday to the extent of 15 feet at $410 (an assessment of $110 delinquent.)

Imperial is strongly held and 62½ shares were sold at from $141 to $143½. The yield of Bullion for the current month, is likely to reneh an aggregate of $120,000. The Rhode Island Mill is now crushing ore for this Compauy. An additional 50 feet level has heen opeued in the Alta ground, developing another large body of good pay minernl. A dividend of $10 per share is talked of for the month of Sept.

Sheha advaneed early in the week to $95@$100, then declined to $65, rallied to $70 and closes at about $70. 145 feet were sold. The Company's Mill is at work reducing some 8 tons per day and the result thus far is said to he satisfaetory—1,000 tons of 2nd class ores (by euhie mensurement) are on hand at the mine and ean, it is thought, he successfully treated hy the proeess now adopted. A new deposit of rieh mineral, equal to the one diseovered last fall, has been found in the east drift No. 2.

Wide West has been exeeedingly aetive nnd large sales were made advnneing from $22 to $34, reeeding to $27½, seller 30, nnd closing last evening at $30. 1025 shares have been dealt in. Telegraphie dcspatehes state that reeent developmeuts have disclosed a large quantity of good ore and that the Company's fine Mill can now he regularly employed. The prospects of the Company nre thought to bo more promising.

Lady Bryan has revived somewhat and 1250 shares were sold, advaneiug from $5 to $6½ and closing at $5. Buring Moseow rose from $20 to $23 and sold last evening at $20½—259 shares have beeu dealt in.

North Ophir rose from $16½ to $25, 75 shnres changed hands Santa Rosa nd vanced from $17 to $30. North American has been steady at $25. Seneca was sold nt $7@$8, and North Potosi nt $15½, an nssessment of $12 50 delinquent.

Antelope rose from $12 to $14, and fell to $13; an assessment of $10 per share was levied on the 7th inst. Josephene (Coso) rose to 3¾, fell to $2½, nnd rallied to 3½, 90 feet ehanging hands. Real del Monte was sold nt $18½@$19; 50 feet being dealt in.

Daney is in hetter request and rose from $30 to $35. The Compnny are running a side drift, east and west on the vein, from the hottom of the main shaft 200 feet in depth.

California Steam Navigation suddenly rose from $43 to $59@$60, owing to the disaster to the Washoe, but we learn that nn oppositiou hoat on the Sacramento River will be running at an early day.

Legal Tender, Notes nd vanced yesterday to 45 nt whieh rate $5,000 were sold. San Franeiseo Gas is steady at $85 to $86; 50 shares were sold nt the latter rate.

The aggregnte sales of Stoeks nnd Legal Tender Notes since Saturday last, amount to $271,370.

Sales of Mining Shares

For the week previous to Saturday, Aug. 20.

By the San Francisco Stock and Exchange Board.

Saturday, September 3.

4 shs Could & Curry at 1450 per foot, s 30.
4 shs Gould & Curry at 1465 per foot.
4 shs Gould & Curry at 1460 per foot.
1 sh Savage at 1300 per foot,
2 shs Savage at 1290 per foot r w.
10 shs Potosi at 750 per foot, s 5.
8 shs Potosi at 760 per foot, s 30.
24 shs Ophir at 490 per foot.
18 shs Chollar at 650 per foot, s 30.
2 shs Halo & Norcross at 470 per foot.
27 shs Burning Moscow at 20 per share.
10 shs Burning Moscow at 20¼ per share.
10 shs Burning Moscow at 10¾ per share, s 30.
10 shs Burning Moscow at 20 per share, s 30.
10 shs North American at 25 per share.
10 shs Wide West at 21 per share.
10 shs Wide West at 21½ per share.
40 shs Wide West at 22 per share.
20 shs Wide West at 23 per share, r w.
10 shs Wide West at 23 per share.
10 shs Wide West at 21 per share, s 30.
10 shs North Ophir at 18 per share.
25 shs North Ophir at 16¼ per share, s 30.
20 shs North Ophir at 17¾ per share, s 30.
10 shs North Potosi at 7 per share, r w.

AFTERNOON SESSION.

8 shs Potosi at 850 per foot.
6 shs Potosi at 760 per foot.
4 shs Gould & Curry at $1455 per foot.
4 shs Gould & Curry at 1465 per foot.
6 shs Ophir at 490 per foot.
2 shs Sheha at 80 per share.
13 shs Shcha at 85 per foot.
10 shs Burning Moscow at 20 per share, s 30.
8 shs Burning Moscow at 20 per share.
10 shs Antelope at 12½ per share.
10 shs Santa Rosa at 17 per share.
10 shs Wide West at 22 per share.
Amount of sales.....$34,220 00

Monday, September 5.

20 shs Gould & Curry at $1425 per foot.
4 shs Potosi at 750 per foot.
2 shs Savage at 1300 per foot.
30 shs North Potosi at 5 per share.
30 shs North Potosi at 4 per share.
10 shs North Potosi at 5½ per share.
10 shs North Potosi at 5½ per foot, r w.
30 shs Wide West at 21 per share.
10 shs Wide West at 21½ per share, r w.
10 shs Wide West at 22 per share.
10 shs Wide West at 22 per share, r w.
37 shs Antelope at 12 per share.
30 shs Golden Age & Empiro at 6 per share.
10 shs Burning Moscow at 21 per share, s 30.
15 shs Lady Bryan at 5 per share.

AFTERNOON SESSION.

10 shs Wide West at 21 per share, s 10.
30 shs Wide West at 22 per share.
4 shs Wide West at 21½ per share.
10 shs Wide West at 22 per share, s 10.
10 shs North Potosi at 4 per share.
30 shs North Potosi at 3 per share.
30 shs North American at 25 per share.
10 shs Antelope at 14 per share.
10 shs Antelope at 17 per share, h 5.
10 shs Burning Moscow at 21 per share.
32 shs Burning Moscow at 12 per share.
10 shs Burning Moscow at 22¼ per share.
20 shs Burning Moscow at 23 per share.
Amount of sales.....$19,419 00

Tuesday September 6.

4 shs Could & Curry at 1410 per foot, r w.
4 shs Gould & Curry at 1400 per foot.
40 shs Chollar at 600 per foot, h 30.
5 shs Shoha at 95 per foot.
5 shs Sheha at 90 per foot.
10 shs Seneca at 7 per share.
10 shs Antelope at 13 per share.
10 shs Antelope at 14 per share, r w.
10 shs Antelope at 14 per share.
10 shs Silver Hill at 2½ per share.
20 shs Uncle Sam at 100 per foot.
20 shs Golden Age & Empire at 5 per share.
25 shs Wide West at 21½ per share.
20 shs Wide West at 21¼ per share, r w.
13 shs Burning Moscow at 23 per share.
20 shs Pride of the West at 1¾ per share.
20 shs Josephine, Coso, at 4 per share.
10 shs Josephine, Coso, at 4¾ per share.
10 shs North Potosi at 15¼ per share.
10 shs North American at 25 per share, s 3.

AFTERNOON SESSION.

2 shs Potosi at 800 per foot.
6 shs Sheha at 85 per foot.
17¼ shs Imperial at 142 per share.
10 shs Wide West at 21 per share.
10 shs Wide West at 23 per share.
10 shs Wide West at 22½ per share, s 30.
4 shs Wide West at 24 per share.
10 shs Wide West at 23 per share, s 30.
20 shs Wide West at 24 per share, s 30.
10 shs Wide West at 25 per share.
30 shs Wide West at 25 per share, s 30.
13 shs Wide West at 26 per share.
110 shs Lady Bryan at 5 per share.
10 shs Lady Bryan at 5 per share, r w.
10 shs Blue Ledge at 3¼ per share,
10 shs Blue Ledge at 3½ per share.
10 shs Blue Ledge at 3⅝ per share.
10 shs Blue Ledge at 3¼ per share.
65 shs Blue Ledge at 3 per share.
15 shs North American at 25 per share.
Amount of sales.....$21,809 00

Wednesday, September 7.

12 shs Gould & Curry at 1395 per foot.
4 shs Gould & Curry at 1400 per foot, h 15.
8 shs Gould & Curry at 1390 per foot.
8 shs Gould & Curry at 1350 per foot, s 30.
4 shs Gould & Curry at 1375 per foot, s 15.
4 shs Gould & Curry at 1392½ per foot.
4 shs Gould & Curry at 1391 per foot, r w
4 shs Ophir at 485 per foot.
8 shs Chollar at 650 per foot.
16 shs Chollar at 640 per foot,
24 shs Chollar at 630 per foot.
10 shs Sheha at 70 per foot, s 30.
20 shs Imperial at 142½ per share.
10 shs Imperial at 142 per share, s 10.
20 shs Burning Moscow at 23 per share.
19 shs Wide West, at 26 per share.
65 shs Wide West at 27 per share.
20 shs Wide West at 27 per share, r w.
10 shs North Ophir at 22 per share.
70 shs Lady Bryan at 6¼ per share.
100 shs Lady Bryan at 5¾ per share, h 10.
6 shs Sacramento & Meredith at $12½ per share.
5 shs Sacramento & Meredith at 10 per share.
35 shs San Francisco Gas at 86 per cent.

AFTERNOON SESSION.

4 shs Gould & Curry at 1376 per foot.
4 shs Gould & Curry at 1380 per foot, h 3.
8 shs Gould & Curry at 1370 per foot.
4 shs Gould & Curry at 1370 per foot, r w.
4 shs Gould & Curry at 1365 per foot.
4 shs Gould & Curry at 1355 per foot, r w.
4 shs Gould & Curry at 1345 per foot, b 3.
4 shs Gould & Curry at 1340 per foot, r w.
4 shs Gould & Curry at 1342 per foot.
3 shs Belcher at 600 per foot.
20 shs Sheha at 70 per share, s 30.
20 shs Lady Bryan at 6¾ per share, s 10.
50 shs Lady Bryan at 5½ per share, s 10.
50 shs Lady Bryan at 5⅝ per sharo.
20 shs Lady Bryan at 5⅝ per share, s 10.
10 shs Lady Bryan at 5¾ per share.
100 shs Lady Bryan at 5¼ per share, s 30.
10 shs Josephine, Coso, at 2½ per share.
10 shs Josephine, Coso, at 3 per share.
40 shs Josephine, Coso, at 3¼ per sharo.
10 shs Burning Moscow at 22¾ per share.
20 shs Blue Ledge at 3¼ per share.
11 shs Wide West at 28 per share, r w.
10 shs Wide West at 28 per share, s 15.
10 shs Wide West at 29 per share.
Amount of sales.....$55,985 00

Thursday, September 8.

24 shs Ophir at 485 per foot.
120 shs Ophir at 490 per foot, s 10.
20 shs Chollar at 650 per foot, s 30.
20 shs Chollar at 660 per foot, s 30.
4 shs Chollar at 675 per foot.
4 shs Potosi at 800 per foot.
12 shs Gould & Curry at 1325 per foot.
4 shs Gould & Curry at 1320 per foot.
8 shs Gould & Curry at 1310 per foot.
8 shs Gould & Curry at 1300 per foot.
8 shs Gould & Curry at 1275 per foot, s 10.
8 shs Gould & Curry at 1275 per foot, r w.
16 shs Gould & Curry at 1275 per foot.
12 shs Gould & Curry at 1250 per foot, s 10.
4 shs Gould & Curry at 1265 per foot.
2 shs Gould & Curry at 1250 per foot.
4 shs Gould & Curry at 1260 per foot.
4 shs Gould & Curry at 1265 per foot, r w.
3 shs Savage at 1325 per foot, s 30.
1 sh Savage at 1350 per foot, h 30.
1 sh Savage at 1350 per foot.
35 shs Daney at 30 per foot.
25 shs Seneca at 25 per share.
10 shs Wide West at 29½ per share, s 30.
30 shs Wide West at 32 per share.
10 shs Wide West at 31 per share, s 30.
10 shs Wide West at 31 per sharo.
10 shs Wide West, 30¼ per share.
20 shs Wide West at 29 per share, s 15.
10 shs Wide West at 30 per share.
20 shs Wide West at 29 per share, s 15.
10 shs Wide West at 29½ per share, r w.
20 shs Wide West at 29 per share.
4 shs Wide West at 27½ per sharo.
5 shs Wide West at 28 per share, r w.
30 shs Real del Monte at 18 per share.
5 shs Real del Monte at 19 per share, r w.
30 shs Lady Bryan at 6 per share.
220 shs Lady Bryan at 6¼ per share.
50 shs Lady Bryan at 6¼ per share, r w.
100 shs Lady Bryan at 6 per share, s 30.
10 shs Lady Bryan at 6¾ per share.
10 shs Antelope at 12 per share.
5 shs Antelope at 12½ per sharo.
4 shs Antelope at 13 per share.

AFTERNOON SESSION.

4 shs Gould & Curry at 1215 per foot, r w.
4 shs Gould & Curry at 1215 per foot.
8 shs Gould & Curry at 1200 per foot.
32 shs Gould & Curry at 1200 per foot.
4 shs Gould & Curry at 1200 per foot, s 15.
12 shs Gould & Curry at 1210 per foot.
2 shs Gould & Curry at 1215 per foot.
4 shs Gould & Curry at 1235 per foot, b 30.
12 shs Ophir at 480 per foot.
12 shs Ophir at 475 per foot.
6 shs Chollar at 660 per foot.
8 shs Chollar at 665 per foot, s 30.
32 shs Chollar at 667 per foot, s 30.
5 shs Nevada, J. G. at 15 per share.
10 shs Imperial at 142¾ per share, s 30.
10 shs Lady Bryan at 6½ per share.
10 shs Lady Bryan at 6⅝ per share.
30 shs Lady Bryan at 6½ per share, h 5.
21 shs Lady Bryan at 6⅜ per share.
6 shs Wide West at 29 per share.
5 shs Wide West at 30 per share.
10 shs Wide West at 27½ per share, s 30.
19 shs Wide West at 29½ per share.
10 shs North Ophir at 23 per share, s 30.
19 shs Burning Moscow at 20 per share.
Amount of sales.....$25,390 00

Friday, September 9.

8 shs Gould & Curry at 1200 per foot.
8 shs Gould & Curry at 1210 per foot.
5 shs Savage at 1325 per foot, s 30.
13 shs Yellow Jacket at 410 per foot.
40 shs Daney at 35 per foot.
42 shs Sheha at 65 per foot.
20 shs Sheha at 70 per foot.
69 shs Burning Moscow at $20@20¾ per sharo.
95 shs Wide West at $29@30 per share.
30 shs Wide West at 27½@28 per share, s 30.
40 shs Wide West at 28@28½ per share, s 15.
15 shs Real del Monte at 18@18¼ per share.
30 shs Santa Rosa at 20@25 per share.
10 shs Santa Rosa at 25 per share, s 30.
10 shs Santa Rosa at 30 per share, h 30.
140 shs Lady Bryan at 6¾@6⅞ per share.
20 shs Lady Bryan at 6 per share, h 30.
5 shs Imperial at 143¼ per share.
10 shs North American at $25 per share.
20 shs Baltic at 15 per share.
$5,000 Legal Tender Notes at 45 per cent.

AFTERNOON SESSION.

4 shs Hale & Norcross at 476 per foot.
8 shs Ophir at 470 per foot.
1 sh Chollar at 640 per foot.
20 shs Burning Moscow at 20 per share.
5 shs Burning Moscow at 20½ per share.
2 shs Yellow Jacket at 410 per share.
70 shs North American at 25 per share.
40 shs Lady Bryan at 5¾ per sharo.
10 shs Lady Bryan at 5⅝ per share.
10 shs Lady Bryan at 5¾ per sharo.
22 shs Lady Bryan at 5 per share.
10 shs Wide West at 32 per sharo.
10 shs Wide West at 34 per share.
40 shs Wide West at 30 per share, s 30.
15 shs Wide West at 33 per share.
20 shs Wide West at 29½ per share, s 30.
30 shs Wide West at 30 per share, s 30.
10 shs Wide West at 28 per share, s 30.
10 shs Wide West at 29 per share, s 15.
5 shs Cal Steam Navigation Co., at 59 per cent.
5 shs Cal Steam Navigation Co., at 59¼ per cent.
5 shs Cal Steam Navigation at 60 per cent.
6 shs Antelope at 13 per share.
Amount of sales.....$44,547 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per Dol.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month's Dividend.	Recent Assessments Per foot	Total Assessments Paid Per ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ ——	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	11 00	15 00		Jun 7, $10; July 23 $6.	35 00
Bajazett and Golden Era	4,100	1	4,000	500 00	9 00	12 00		July 30, $5. Aug. 3, $5.	38 25
Best & Belcher	224	1	896	500 00	——	——		Jan 12, $25; May 17, $100.	200 00
Burning Moscow	4,100	1	4,100	500 00	20 00	21 00		Jan 19, $15; June 24 $5	56 24
Burnside	2,800	1	2,800	500 00	1 00	5 00		Feb 16, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	625 00	800 00	$24		
Buckeye	3,000		2,800	100 00	——	3 00		June 4, $1.50, Aug 15, $2	20 20
Bullion, G. H.	2,500	1	2,500	200 00	——	45 00		Apr. 1, $20. June 8, $20. July 12, $150 00	
California	300	12	3,600	500 00	——	——		Jan 23, $15.	
Central	150	12	1,800	100 00	——	——		May 25, $3, July 12, $1½	10 50
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		Oct 13, $25.	100 00
Crown Point	393	2	786	100 00	——	600 00		Nov 30, $5; Mar 16, $3.	25 00
Chas. Carey	1,800	1	1,800	30 00	——	15 00		Jan 25, $60; Apr 15, $50.	320 00
Chollar	1,400	4	5,000	800 00	670 00	700 00		Jan 26, $12; Sept 15, $10.	58 00
Daney	2,000	4	8,000	00 00	35 00	40 00		Jan 29, $1.	8 00
Desert	2,200	1	2,200	100 00	——	——		Jan 18, $3; Mar 10, $2.	24 00
El Dorado	1,600	1	1,600	500 00	3 50	4 00			
Empire M. & M. Co.	75	16	1,200	833 00	550 00	750 00	$30		
Gould & Curry	1,500	4	4,800	500 00	1,225 00	1,250 00	$50		
Gross Valley	4,200	1	4,200	500 00	——	30 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	465 00	475 00		May 24, $50; July 18, $50.	375 00
Imperial	184		4,000	500 00	139 00	143 00	$0	Dec 22, $12 50 per share.	200 00
Iowa	1,200	1	1,200	1,000 00	10 00	12 00		Nov 18, $1; July 16, $0.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	5 00		May 11, $5; July 10, $3.	18 25
Lucerne	1,800	1	1,800	500 00	——	——		Nov 27, $3; Feb 16, $5.	36 00
Mount Hope, G. H.	2,000	1	2,000	500 00	——	3 00		Feb 19, $1; Mar 2, $1	7 50
Michigan	1,500	1	1,500	100 00	16 00	20 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	100 00	13 00	14 00		Apr 9, $20; July 20, $12.	32 00
North Potosi	2,000	1	2,000	250 00	5 00	15 00		Jun 13, $12½; Aug 6, $12½	127 50
North American	4,100	1	4,100	300 00	25 00	23 00		Mar 23, $20; Sept 2 $2.	
North Ophir	1,040	1	1,600	500 00	23 00	25 00		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	——	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	10,800	500 00	460 00	470 00	$48		
Overman	1,200	1	1,200	500 00	——	250 00		June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	790 00	825 00		Dec 9, $50.	62 00
Porter	600	1	600	500 00	——	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	2 00	4 00	$5	Oct, Nov, Dec 10, $0.	0 00
Savage	800	1	800	2,000 00	1,275 00	1,300 00	$50		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	——	——		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	——	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	20 00	23 00		Mar 8, $5; May 16, $10.	06 00
Spanish No. 2	1,600	1	1,000	500 00	——	20 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	——	200 00		Nov 2, $50. Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	——	——		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	——	400 00		Aug 17, $50; June 17, $30	237 00
Yellow Jacket	1,200	1	1,200	1,000 00	410 00	420 00		July 21, $30; Aug 4, $110.	250 00

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	13 00	14 00		Feb 19, $25; Sept 7, $10.	147 50
Bamboo	000	1	600	500 00	——	——		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	——	8 00			12 25
Falls of the Clyde	6,000	1	6,000	100 00	——	——		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	5 00	7 00	$5		
Nevada	600	2	1,200	250 00	——	——		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	18 00	10 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	——	6 00			8 25
Ural	400	1	400	500 00	——	——		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	——	20 00		Jan 5, $3; Sept 3, $5.	19 00
Wide West	2,600	1	2,600	250 00	30 00	31 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000		3,600	600 00	——	2 00		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	——	3 00		Oct 19, $3; July 31, 50c.	12 00
San Carlos			2,600	100 00	——	——		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	——	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	18 00	20 00		May 21 $2.50; July 23 2.50.	14 00
Sheba	1,800	2	3,600	500 00	70 00	75 00		Mar 10, $10; Aug 12, $20.	62 35

REESE RIVER DISTRICT.

Amador	1,400				——	——		May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	——	——		Jan 20, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	——	——			
Oregon	800	2	1,600	200 00	——	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	——	——		Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	75 00	——		May 11, $10; June 25, $5.	16 00
Willow	2,800		1,400	200 00	——	——		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	——	——			
North Star	1,000	1	1,000	500 00	——	00 00		Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	——	——			1 50
Juana	1,200	1	1,200	500 00	——	——			1 50
Blue Ledge	1,000	1	1,000	1,200 00	——	——			2 00
Joe Lane	1,000	1	1,000	500 00	——	——		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	——	——		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	——	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	——	——		Feb 10, $30; Aug 23, $10.	150 00
Sra de Guadelupo	3,000	1	3,000	1,000 00	——	——			9 00
San Marcial	13,200	1	13,200	100 00	——	25 00			
San Nicholas	1,200	1	1,200	200 00	——	——		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	——	3 00		Jan 30, $2½; Jun 10, $1½	
Fellows	2,500	1	2,500	100 00	——	——			
Melones	3,000	1	3,000	50 00	14 00	17 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	——	75 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	——	25 00		June 18, $1; Aug 1, $1.	15 00

[From Mining and Scientific Press.]

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'T—SALE.
Antelope, Esmeralda, $10	Oct 12—Oct 27
Aspinwall, Lander co	Caution*
Astor, Gold Hill, $1	Sep 10—Sep 24*
Alameda Coal, $1	Sep 8—Sep 24
Alemania, San Antonio, $1	Sep 26—Oct 7
Aucho, Inyo, 10c	Sep 22—Oct 6
Apollo, R. R., 50c	Oct 1—Oct 20
Animas	Special Meeting Sep 15
Baltimore	Annual Meeting Sep 16*
Bell, Santa Fe, Lander co	Aug 13—Sep 15*
Buckeye and Old Hickory Cons., S. Cat., 50c	Oct 15—Nov 3*
Buckeye, Devil's Gate, $2	Sep 19—Sep 30
Baja California, San Antonio, 50c	Sep 17—Sep 28
Butte, Humboldt	Annual Meeting Sep 26
Big Blue Lead, Tulare, $2	Sep 28—Oct 14
Bajazett & Gold. Era Cons., 2 as. $5 ea.	Levied July 30, Aug 23
Burnside, Virginia, 50c	Oct 5—Oct 20
Big Canon, Tuolumne co., $3	Oct 1—Oct 13
Barreteros, Sinaloa, $5	Sep 28—Oct 11
Boston Copper, El Dorado co., $1	Sep 30—Oct 15
Baja California	Annual Meeting Sep 13
Crown Point Ravine, Gold Hill, $1	Aug 30—Sep 24*
Citizens', Coal, Mount Diablo, $5	Sep 24—Oct 8*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Caldwell, Cove	Removal*
Cedar Hill T. & M., Virginia, 50c	Aug 27—Sep 12
Consolacion, Sinaloa, $2	Sep 11—Sep 26
Coral Hill, Lander co., 25c	Aug 26—Sep 12
Chrysopolis, Virginia, $1	Sep 5—Sep 20
Camargo, R. R., $1	Sep 1—Sep 17
Catalina Cons., San Pedro, 20c	Sep 5—Sep 20
Copp, Sierra, $1	Sep 10—Sep 24
Chicago & Detroit, Amador co., 75c	Sep 17—Oct 1
Cordillera, Chihuahua, $1	Sep 21—Oct 1
Cortez, Lander co., $6	Sep 23—Oct 15
Central American, Gold Hill, $1	Aug 2—Sep 10
California, Virginia, $12.50	Aug 12—Sep 14
Codicia, San Antonio, $2	Sep 27—Oct 10
Central, No. 2, Virginia, $3	Oct 3—Oct 17
Cosala, Sinaloa, $1	Sep 30—Oct 12
Chihuahua & Western Summit	Annual Meeting Oct 1
Chicago & Detroit	Annual Meeting Oct 3
Colorado, Santa Catalina, $25	Sep 19—Oct 10
Caledonia T. & M., Gold Hill, $1	Oct 6—Oct 19
Crown Lead, Mariposa co., $1	Oct 9—Oct 20
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Do Soto, Star, $2.50	Aug 27—Sep 12
Del Norte Comstock, 25c	Sep 18—Sep 30
Dancy, Lyon co., $2.50	Oct 10—Oct 24
Dacota, R. R., $1	Sep 28—Oct 14
Evoca, Del Norte co., 25c	Oct 8—Oct 24*
Eldorado	Annual Meeting Sep 16*
Eagle Quartz, Amador co., $2	Sep 10—Sep 26*
El Taste, Mex., $2	Sep 20 Sep 30
El Toro, Mex., $2	Sep 3—Sep 13
Eureka, Coal, Alameda co., $1	Aug 16—Sep 19
Eyla, Summit, 50 c	Sep 6—Sep 18
El Alamo de San Antonio, Lower Cal., 50c	Sep 10—Sep 24
Esperenza, San Luis Obispo, Sp. Meeting Sep 20	S. L. Obispo
East Range, Humboldt, $8	Sep 28—Oct 18
El Tesoro, Lower Cal., $3	Sep 26—Oct 10
Evening Star, Humboldt co., $1.50	Sep 17—Oct 1
Fairview, Copper, Calaveras co., 40c	Sep 10—Sep 26*
Franco Americana, San Antonia, $10	Sep 2—Sep 13
Florida, Lander Co., $5	Sep 6—Sep 20
Fork, 25c	Sec 29—Oct 15
Gen. Jackson, Devil's Gate, 50c	Sep 24—Oct 8*
George Washington	Annual Meeting Sep 17*
George Washington No. 2	Annual Meeting Nov 17*
Gold Rock, Calaveras co., 50c	Sep 10—Sep 26*
Good Hope, Alpine, 75c	Aug 27—Sep 10*
Great Western, Keyes, Mono co., $1	Sep 24—Oct 8*
Good Return, Cons., Tulare, $1	Aug 24—Sep 10*
Gobernadora, Lower Cal., $1	Sep 3—Sep 17*
Golden Rule, Tuolumne, 50c	Aug 25—Sep 11
Great Central, Smoky Valley, 50c	Aug 29—Sep 10
Goodwin, Simpson Park N. T., $1	Sep 7—Sep 22
Green, Gold Hill, $1	Sep 8—Sep 24
Gold Canon Cons., Gold Hill, $2	Sep 24—Oct 8
Gov. Nye, Alpine co., 50c	Sep 24—Oct 8
Great Cons. Boise, Idaho, $1.25	Sep 7—Sep 17
Guadelonpe de los Angeles, $1.50	Sep 2—Sep 12
Gov. Seymour, R. R., $2	Sep 26—Oct 8
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Great Republic, Clayton	Annual Meeting Sep 16
Honest Miner No. 2, R. R., 62½c	Sep 3—Sep 17*
Heidelberg, Marin co, 5c	Oct 8—Oct 24*
Henry & Barnard, Weaver, 10c	Sep 24—Oct 3*
Independent, R. R., $1	Oct 8—Oct 22*
Illinois, El Dorado Canon. A. T., $2	Oct 1—Oct 17*
Illinois	Annual Meeting Sep 19*
Imperatrice, Santa Fe, Lander co	Aug 13—Sep 15*
Iowa, Esmeralda, $1	Sep 5—Sep 22
I X L, Alpine co., 75c	Sep 10—Sep 21
Iron Clad	Annual Meeting Sep 12
Isabella	Annual Meeting Oct 1
Humboldt Canal, Humboldt co., $3	Sep 17—Oct 5
Humboldt, Sierra District, $2	Sep 30—Oct 19
Josephine, Coso, 60c	Aug 31—Sep 12
Jewett, Gold Hill, $1	Sep 21—Oct 6
Jewel, Dovil's Cato, $1	Sep 21—Oct 4
Kate Lamar, R. R., 50c	Aug 27—Sep 16*
Keoknk, Contra Costa, 15c	Aug 27—Sep 10*
Kanaka Quartz, 25c	Sep 19—Sep 30
Kentucky Copper, Madame Follx, 50c	Oct 5—Oct 22
Kohler Bros., San Antonio, Mex., $1	Sep 29—Oct 13
Logan, Arizona	Annual Meeting Sep 26*
Libertad, Mexico, $5	Aug 27—Sep 10*
La Candelaria, San Dimas, $2.50	Sep 24—Oct 8*
La Libertad, Cacachillas, L. C., $1	Sep 3—Sep 17*
Louisiana, R. R., $1.50	Sep 12—Oct 1
Lady Bryan, Flowery, $3	Aug 24—Sep 10
Latrobe, Virginia 50c	Sep 1—Sep 15
Lady Bell, Low Divide, 20c	Sep 1—Sep 14
Lotus, Gopher, 25c	Aug 31—Sep 17
Idly of the West, Esmeralda, 5c	Sep 14—Sep 25
Las Chuzcas, Lower California, $30	Oct 5—Oct 17
Legal Tender, Lander co., $1	Aug 9—Sep 24
La Fernandez, Hermosillo, Mexico, $2	Sep 26—Oct 11
La Blanca, Ures, $2 50	Sep 26—Oct 7
Las Cruzceltus, San Xavier, $6.25	Sep 26—Oct 8
Laura Johnson, Los Angeles, 50c	Oct 4—Oct 19
La Soledad, San Dimas, $1	Sep 10—Sep 22
Las Chureas	Annual Meeting Sep 14
Lucy Ella, Gold Hill	Sale Oct 18
Mejicana, Contra Costa, 15c	Oct 11—Oct 31
Mosquito Quartz, Calaveras co., $2	Sep 10—Sep 26*
Mechanics', Clayton, 5c	Sep 24—Oct 8*
Maryland, Santa Fe, Lander co	Aug 13—Sep 15*
Mangle, Lander co., $5	Sep 9—Sep 29
Muniloza, San Antonio, 50c	Sep 3—Sep 17
Monte Cristo	Special Meeting Sep 13
Marin, Chihuahua, 75c	Sep 24—Oct 8
Monte Cristo, Virginia, $1.50	Sep 28—Oct 14
Maria, Lower California, $3	Sep 24—Oct 8
Manzanilla, Sinaloa, 25c	Sep 24—Oct 7
Mina Prieta, Ures, $10	Sep 23—Oct 5
Manchester, Monitor	Annual Meeting Oct 3
New Era, Cop., Tuolumne co., 50c	Sep 24—Oct 10*
Napa	Annual Meeting Sep 12*
North Star, R. R., $3	Oct 6—Oct 19
New Year Diggings, Tuolumne $1.50	Sep 10—Sep 21
North Potosi, Virginia, $12½	Sep 8—Sep 20
New England Cons., Santa Catalina, 5c	Sep 16—Sep 26
Nuestra Senora de Guadaloupe, Mex., $1	Sep 23—Oct 8
North American, $2	Virginia
Oxford Bela, Esmeralda, 50c	Oct 8—Oct 26*
Osslpec, Eldorado co., 5c	Aug 27—Sep 13*
Oak Flat Quartz, Sierra co, 20c	Aug 30—Sep 13
Ontario, R. R., $6	Aug 31—Sep 14
Owens River, Inyo, $3	Sep 13—Sep 24
Porter, Virginia, N. T., $5	Aug 27—Sep 17*
Palma, Sonora, Mex, $1	Aug 27—Sep 10*
Pena Silver, Lower California, $3	Aug 20—Oct 1*
Plumbago, Sierra, $1	Sep 3—Sep 17
Peylona, Virginia, $1	Sep 12—Sep 30
Pacific, Esmeralda, 50c	Sale Sep 15
Providential, Lander co., $3	Sep 15—Sep 30
Phoenix, R. R., 50c	Sep 3—Sep 15
Patrocina & Dolores, Mex., $2	Aug 13—Sep 15
Pearl, Copper, Del Norte co., $25	Oct 2—Oct 12
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Rose Linda, Alpino co., 60c	Sep 30—Oct 10*
Rhodes Diggings, Sacramento co., $1.50	Sep 10—Sep 24
Rising Sun, Clayton, 20c	Aug 21—Sep 21
Roxby, Gold Hill, 50c	Sep 21—Oct 3
St. Paul, Lander co., 50c	Oct 15—Oct 29*
Sierra Silver	Quarterly Meeting Sep 12
Sierra, Genoa, $2	Oct 5—Oct 17
Seottle, La Paz	Annual Meeting, Sept 27*
Santa Cruz, Petrolenm, 12½c	Sep 26—Oct 10*
Sierra Nevada, Sierra co	Annual Meeting Sep 12*
Salamander, Calavoras co., 10c	Sep 17—Oct 4*
San Francisco, Moss Ledge, S. F. Dis., A. T.	Sep 17—Sep 28
Sierra Nevada	Annual Meeting Sep 12*
Silver Creek	Annual Meeting Sep 17*
Silver Prize	Annual Meeting Sep 20*
Silver Prize No. 2	Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Santa Maria, Santa Fe, Lander co	Aug 13—Sep 15*
Sierra Nevada C. Q., Sierra co., 50c	Sep 3—Sep 17*
San Marcial, Sinaloa	Sale Sep 12
Seneca, Virginia, $5	Sep 2—Sep 16
San Carlos Exploring & Mining, $4	Aug 31—Sep 12
Swoet Vengeance, Yuba co., $1	Sep 6—Sep 20
Siskiyou, Siskiyou co., $1	Sep 10—Sep 24
Standard, Lander co., $1.50	Sep 13—Sep 28
Shoba, Star City, Humboldt co., $10	Sep 12—Sep 24
Smith & Martin, R. R., $12	Sep 23—Oct 5
Smith & Martin, R. R.	Annual Meeting Sep 20
Seneca, Virginia	Annual Meeting Sep 12
Seneca, Esmeralda, 10c	Sep 14—Sep 25
Sotoyomo, Esmeralda, 5c	Sep 14—Sep 25
Sigel, Humboldt, $1.50	Sep 20—Oct 3
Scottish Chief, Humboldt co., $1	Aug 9—Sep 22
Silver Circle, R. R., $1	Sep 30—Oct 15
Sonoma Ledge, R. R., $1	Oct 7—Oct 21
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Tiptop	Annual Meeting Sep 17*
Tellurium, Pine Grove dis., Amador co., $1	Aug 13—Sep 14*
Texas, R. R., $1	Sep 12—Oct 1
Tecumseh, Gopher, $3	Aug 22—Sep 6
Tularo, Inyo, 40c	Aug 31—Sep 14
Tornado, 30c	Sep 3—Sep 15
Triunfo, San Antonio, $1	Aug 31—Sep 15
Tentonia, Gold Hill, 25c	Sep 16—Sep 29
Tecoripa, Hermosillo, $3	Sep 26—Oct 6
Tellurium	Annual Meeting Sep 22
Troy, R. R., $2	Sep 30—Oct 14
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Lander co, $1	Sep 10—Sep 24
Union No. 2, R. R., $1	Sep 15—Sep 28
Union, Copper	Annual Meeting Sep 24
Uncle Sam, $100	Virginia
Utah, $5	Oct 8—Oct 22
Veatch, Clifton	Sale Sep 19
Wisconsin	Annual Meeting Sep 17*
Washington, Lander co., 50c	Sep 1—Sep 15
White & Murphy, Virginia, $7.50	Sep 21—Oct 4
Washoe, Gold Hill $4.50	Sep 21—Oct 5
Wide West, Alpine co., 50c	Sep 24—Oct 8
Yuba, Brown's Valley	Annual Meeting Sep 20
Yellow Jacket, 11 per cent	Oct 4—Gold Hill
Yankee Blade, R. R., $5	Sep 15—Oct 3
Yarborough	Annual Meeting Sep 12
Zenith, Calaveras co., 50c	Sep 17—Oct 3

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.]

Those marked with an asterisk (*) are advertised in this journal.

Mechanics' Industrial Fair.

Reports for the Week.

The following information concerning the Mechanics' Industrial Fair, is taken from our *Daily Fair Press*, printed and issued at the Pavilion. The reports were prepared by a special reporter.—[Ens. Press.

Tuesday, September 6th.

MACHINERY.

Owing to the large amount of machinery which exhibitors desire to place in the Fair, it has been impossible to have everything in readiness at the start. Indeed it will be some days yet, before all the heavy machinery will be in its place and in running order. The large steam engine which is to drive the chief part of the machinery is not, at this present writing, in running order, although we are assured it will be by the time these lines reach the public eye. Some other matters of small moment also, remain to be done in other departments, ere the entire exhibition is in perfect order; but workmen are constantly busy putting things to rights. All this, however, but adds interest and zest to the exhibition. The operation of putting up shafting, setting up and arranging machinery, etc., etc., is of itself a most interesting part of the exhibition, and makes it all the more an *Industrial* Fair.

In making up our report we propose in the first place to go through the various departments, briefly noticing everything we meet; after which we shall again pass along, and note more particularly the most prominent features of the exhibition. Much of the machinery will also be illustrated from time to time, as the engravings are prepared and placed in our hands. The advantages of such illustrations, accompanied with full descriptions, must be apparent to those most particularly interested, and will be found of much interest to our readers and all visitors at the Fair. We shall commence our introductory review with the

MINING MACHINERY.

Commencing at headquarters we have, in the first place a fine steam engine of 50-horse power, working with Green's Patent cut off. This engine is exhibited by the Pacific Foundry, of this city, at which establishment it was manufactured. The engine is finely finished and is a most creditable piece of workmanship.

Next in order comes the various quartz reduction works; and first we have one of Bryan's five stamp batteries, manufactured at the Pacific Foundry, and exhibited by the proprietors of that establishment.

The Vulcan Foundry exhibits a rotary crusher, the same being an improvement on Howell's patent, by Mr. Moore. This machine reduces the quartz by rotary beaters, driven at immense velocity. These beaters striking the particles of quartz as it is thrown into the machine, reduce it at once to an impalpable powder. It has recently been introduced with great success at the Pike's Peak mines.

Mr. W. W. Hanscom, of the Golden State Foundry, will exhibit a new crushing machine of his own invention, which is not yet quite completed, but which will be in place at the Pavilion in a few days.

Blake's Stone Breaker, a machine whose capacity and effectiveness is well known in the Atlantic States and Europe, and which is now being extensively introduced into California, is exhibited by Mr. W. P. Blake. It is designed to prepare the quartz for stamping. Mill men will do well to examine this machine.

Mr. Fauchery is putting up for exhibition a new crusher or grinder, and an amalgamator, which will be in operation in a few days. We shall probably have occasion to refer to this machine, as well as others, more at length in future numbers of the Press.

A Rotary Cylinder Grinder and Amalgamator, prospecting size, and known as the "Novelty," is exhibited by Mr. H. L. Hopkins. It is accompanied by a two stamp battery. The whole was constructed at the Miners' Foundry.

J. and W. C. Salmon, from Reeso River, exhibit a new amalgamator, designed for the double purpose of separating gold from its sands, and butter from cream. It works upon the screw principal and hence has very properly been called the Propeller Amalgamator.

Mr. Farrand has on exhibition one of his largest size Oscillating Amalgamators, together with a miniature model of the same. This is one of the most showy amalgamating machines in the pavilion.

[Wednesday, September 7th.]

WOOL MANUFACTURES.

In compliance with the promiss we gave in in the first number of the Daily Fair Press, to give a general description of the most prominent objects at the Fourth Fair of the San Francisco, Mechanics' Institute, we commence the task, and as in that promise we divided these objects under general heads, the first of which, as a natural sequence being "raw materials, we shall commence with those articles. The nature of our home manufactures and the character of the Fair, it being pre-eminently a Mechanics' Fair, limits this department of our subject to but one article, though that a most important one—wool. The materials of which the mechanic fashions his thoughts into form comes not within our powers of description, while those used by the manufacture of salt, sugar, glass, rosin and turpentine, varnish, tobacco, wines, spirits, paper, brushes, matches and perfumery, all of which are well represented at the Fair, come more within the department of natural productions or manufactures. The display of the samples of the one subject before us at the Fair, exhibited by Clark & Perkins, is the most perfect, extensive and interesting it has ever been our pleasure to examine, including every description of the article, from the unprepared coarse, knotty flock, the produce of the poor lean sheep that wanders over the dry stony hills of the more southern portions of the State, to the rich, long, silky locks from the valuable breeds of imported sheep, introduced into the State within the past few years. Among the great features of this most interesting and suggestive collection, is the fleece clipped from the back of an imported Merino ram, contained in a glass case, probably the finest and heaviest fleece ever clipped from a sheep in the world, which weighs 42½ pounds, is nearly six inches thick, and contains wool enough to make at least three pair of good blankets, more than is in twenty pairs of some of those furnished by contractors to our brave and suffering soldiers. As the magnificent display of cloths of all colors and kinds, manufactured by the Mission Woolen Mills from their California wools, come within the department of manufacture, we shall not further mention them here than by stating that they occupy an entire wing of the central division of the main pavilion. Some bales of wool exhibited as specimens of a superior method of packing, are also worthy of mention in this connection, as the importance of the wool growing interests is such that the business of packing it for exportation has become only second to that of its production. For it may not be generally known that ill packed, greasy wools are liable to spontaneous combustion when stowed away in the hold of a ship—but a few cases of such a disaster are recorded of vessels carrying wool from Australia, and as the voyage from this State to New York or Boston is much longer than from Australia, the importance of proper packing becomes proportionally enhanced. The specimens of packing on exhibition, both in bales and open bundles, are most excellent. Wool shipped, so packed, will realize more than the additional cost between such packing and the ordinary slovenly, wasteful method, besides giving us a better character for California wool in the European markets than it at present enjoys, though a large proportion of that raised here finds its way to the factories of England and Germany.

As the question of wool *vs.* hair, on the "human form divine" has become a vexed question among those who view the negro as a man and those who view him as a chattel—a mere beast of burden—and certain scientific authorities pretend to be able to detect the beast trace of the negro by the examination of persons suspected of being tainted with the blood of Ethiopians, Nubians or Africa's sooty sons; it will be interesting to many to know that according to the observations and experiments of the best microscopists in the world, the most kinkey locks on the honest type of humanity bears no affinity to the longest, silkiest locks of any other class of animals. This is incontestibly demonstrated by the property of "felting" characteristic of wool, but wholy absent in all human hairs.

The limits of our paper will not permit us to exhaust the subject of wool in a single article, we shall therefore refer to it again, and will endeavor to furnish some figures showing the quantity raised, exported or manufactured in the State and other facts connected with its cultivation and preparation.

[Thursday, September 8th.

Notwithstanding the unfavorable condition of the weather, yesterday, the attendance at the Pavilion was fully kept up. The receipts for the day were $1,821. The entire receipts up to date, have been $12,857. At the big cheese and silver brick exhibition, the receipts last night for the Sanitary Fund, were $101. We continue our report as follows:

COAL OIL PRODUCTIONS, ETC.

In the center avenue, and numbered 336, are some novelties of interest to our manufacturing industry, accompanied by an instrument for testing coal oils, which obtained the premium offered by the American Institute, New York. Specimens are shown illustrating new processes invented by Mr. J. H. Churchill, of 308 Front street, in this city. Bitumen is presented in the form of a crude coal oil, obtained from the petroleum sands of Santa Cruz, and other localities. The clearness of the sand is full evidence of the completeness with which this has been effected. Stearine acid, the material of adamantine candles, is represented by crystals of alabaster whiteness. We are informed that they were obtained in the development of the manufacturing process which produces no nuisance, and affords a very large yield. We presume, therefore, we shall very shortly see the notice "Patent applied for" changed to "Patented, 1864."

In this connection we would mention the exhibition of Messrs Clark & Perkins, (corner of Clay and Front streets.) who exhibits at a stand under the right of the dome, a case of very beautiful productions of Portland kerosene, paraffine and Albert spirits. They claim especial merit for the first from the fact that it will stand a temperature of 140 degrees Fahrenheit, without inflaming. We are expressing the opinion of a gentleman who has been much engaged in the determination of the value of coal oils, when we say that the real desideratum being to obtain an oil suitable for safe storage, 120 degrees Farenheit is the maximum required, in situations only exposed to natural temperatures. A higher point, as 140° instead of 120°, produces extravagance from two causes; a smaller quantity of oil can be sent to market, and the oil is very likely to give trouble with ordinary lamps.

The Buena Vista Petroleum Oil Company, Mariposa county, exhibit samples of their manufacture, refined by E. Benoist, chemist.

W. G. Jones, of Drytown, Butte county, exhibit some fine specimens of California rosin and turpentine. San Francisco agents, 416 California street.

Ward & Co., of Portland, Oregon, exhibit pitch and light varnish.

FURNACE PRODUCTS.

In the center avenue Mr. James T. McDougal exhibits five bars of copper, obtained in one hour's time from carbonates and oxides by the use of a new flux, known as a hydrated silicate of alumina. Mr. McDougal is the discoverer of the properties of this flux, and for which he claims a special superiority. A furnace is now in process of construction at North Point, to use this flux on a larger scale for smelting purposes. Mr. McDougal also exhibits wire and rods drawn from the copper which he has thus produced; also smoothly polished and hammered copper—all from the metal just as it came from the furnace at one operation, thus proving its fitness for immediate use, without being subjected to any refining process. One of the bars is partially broken to show the natural grain of the metal as it comes from the furnace.

By the side of the above, Mrs. Hall exhibits two bars of copper and one of argentiferous galena, extracted from their respective ores by the use of the volcanic smelting furnace of her invention, the particulars of the extraction of which are given as follows on the respective labels attached. One of the bars of copper, weighing about sixteen pounds, was run out in twenty minutes; one bushel and a half of charcoal being put in the furnace to one bushel of ore. Some of the ore from which it was taken is exhibited by the side of the bar. Another smaller bar was taken from the same in twenty-one minutes, by the use of the same proportion of fuel. The bar of galena, which is said to contain a large percentage of silver, together with a small value in gold, was taken from its ore, under the direction of Miss Hall, the daughter of the lady inventor. This metal is alleged to have been taken from its ore in twenty minutes. The fuel used was charcoal in the proportion of one bushel of coal to a bushel of the ore.

CALIFORNIA MANUFACTURES.

While, as we stated yesterday, the list of raw materials on exhibition at the Fourth Fair of the San Francisco Mechanics' Institute, is confined exclusively to the one article of wool, if we except rosin, from which Hucks & Lambert's axle grease, a world-wide famous California production, is made. The list of manufactures carried on in this State, principally in this county, includes the whole range of those required by a wealthy, numerous, highly civilized commercial people, such as Californians are admitted to be. The mere mention of each of these manufactures would be quite uninteresting—to describe them in detail, impossible; so that we shall mention each in a brief notice.

There is a very fine collection of home invented and manufactured machinery, adapted for steam, water, caloric, electricity, horse and man power, from the costly, complicated quartz crushing and amalgamating machine, to the ingenious contrivance invented by some clever mechanic to save labor in his particular employment, or to carry out the idea of some mechanical mind. Some of these inventions are mere novel applications of well known principles, while others are original in both conception and application.

In the article of machines for pumping, there is a fine collection at the Fair, as might have been expected, considering that Hansbrow, one of the most energetic and skillful of our mechanics, who carried off the prize in this speciality at the World's Fair, in England, in 1862, is out with new inventions and improvements on his old ones. Mr. Hansbrow, in addition to the pump above alluded to, also exhibits a very large and beautifully finished hydrostatic engine, a machine of decided merit, to which we shall more fully refer under the head of machinery.

Next in importance in the way of manufactures is that of worsted goods—a branch of local industry of great importance—as may well be conceived by an examination of the magnificent display of these goods on exhibition from the Pioneer and Mission Woolen Mills, which includes flannels, blankets, broadcloths, tweedes, plaids, carpets, as well as every other description of manufactures known to the markets of England, France and Germany. This part of the Fair is most complete, as the proprietors of these establishments have a large collection of all their manufactures in the piece, and made into clothing for ladies gentlemen and children. Then there are full sets of specimens of the products of the manufactures of salt, gunpowder, gold-leaf, ironware, cordage, paper, kerosene, tobacco, snuff, cutlery, guns and pistols, carriages and matches. This latter, though a comparatively new branch of manufacture among us, must ultimately become one of considerable importance, as several of our native California woods, from their lightness and peculiarity of grain, are well adapted to the making of these matches; while the sulpher used in their manufacture can be obtained in unlimited abundance and exceedingly pure, in many parts of the State for the mere collection. Then there are specimens of home made borax, perfumes extracted from our indigenous plants and flowers; and from the distillation of coal, including paraffine, alchohol, naptha and ether. We have also California manufactured pitch, rosin and turpentine, brooms, furniture, musical instruments, sugar, syrups, wines and spirits.

It must not be inferred by those who read this very much abreviated list of the manufactures exhibiting at the Fair, that they are mere experimental operations. Every one of them is conducted on an extensive scale. Millions

of dollars being invested in their prosecution, and thousands of men and women find remunerative employment in carrying them on. In our opinion the crowning glory of the Fair, is the gratifying exhibition of the growing importance of the manufacturing interests of the State, which gives every reason to hope that ere many years California will be almost independent of foreign manufactures to supply the wants of her people.

Hydraulics are a speciality with California. The necessities of our great mining enterprises have taxed the inventive genius of our mechanics, in this direction, to their utmost capacity. They have proved, however, fully equal to the task, and California, alone, has done more, in the last ten years, to advance the science of hydraulics and hydrostatics than all the world beside, in half a dozen decades.

Our first efforts were devoted to contrivances for saving the labor of the pick and the shovel by confining and directing streams of water in such a manner as to enable one man to do the work of fifty. Much attention has also been paid to improvements in pumps and various kinds of hydraulic wheels, but the climax of invention in this line has been reached by Mr. Hansbrow & Redding of Sacramento, in the beautiful and apparently perfect hydrostatic engine which they have now on exhibition at the Pavilion, and which is one of the chief mechanical attractions at the Fair. These gentlemen have spent some two years in bringing this invention to its present degree of perfection. Its movements are precisely like those of a steam engine, working with a cylinder, piston, valves, etc.

The great trouble in working out the problem of this machine has been to overcome the non-elasticity of the water. Those who have heretofore essayed to accomplish this have uniformly failed, or accomplished it in so imperfect a manner that the inventions have been useless for all practical purposes. Messrs. Hansbrow & Redding have completely overcome this difficulty, by an ingenious arrangement of air cushions, which render the water at every point, quite as elastic as steam, and the motion of their engine, consequently as easy and regular as the best constructed steam engine. The engine can easily be worked up to three hundred revolutions per minute. Their present machine will give 12-horse power, with 20 inches of water—miners' measure.

In addition to the hydrostatic engine, these gentlemen exhibit their famous Challenge Force Pump, also a California invention, and one which took the Grand Prize Medal at the World's Fair in London, in 1862. This was the only prize awarded to pumps at that exhibition, although no less than 308 competitors appeared on that occasion.

Capt. Harrison, the well known Mare Island Pilot, exhibits two of his eccentric wrecking pumps. This is another important California Invention. He also exhibits one of Andrews' Centrifugal pumps, invented and manufactured in New York, and arranged to be driven by a double oscillating steam engine.

Mr. S. F. Blasdell exhibits three of Stannards' Rotary Pumps, of 5, 5½ and 12 inch calibre. Mr. B. also exhibits Roper's hot air engine by which the machine is driven and upon which our DAILY FAIR PRESS is printed. We shall notice this engine more at length at another time.

Mr. David Stoddart exhibits a steam mining pump, California made, compact and of great power. It is designed to be placed in the bottom of a mine, and force the water to the surface. One of these pumps is now at the Union Mine, Mount Diablo. The one now on exhibition is also sold to a mining company to be delivered immediately after the close of the present exhibition. The speciality of these pumps is to force water to a high elevation. Mr. Stoddart also exhibits several of Gifford's Water Injectors, for forcing water into steam boilers. One of these injectors may be seen in operation upon the boiler which furnishes steam for the large engine which drives the machinery in the Pavilion.

(Friday, September 9th.)

The attendence at the Pavilion yesterday, was greater than on any previous day. Not less than 5,500 people visited the Fair last evening. The total receipts for the day were $2,060, of which amount $1,400 was taken in the evening. The great cheese in the pagoda was formally presented to the Sanitary Commission last evening, by Mr. Steele, of Steele & Bro., the donors. The response was made by Dr. Bellows. The ceremonies took place in the presence of about 4,000 people. The receipts at the pagoda up to this time, have exceeded $500.

The machinery is now pretty much all in running order. The large steam engine exhibited by Goddard & Co., works admirably. A little two stamp prospecting mill was pounding away, quite merrily, yesterday, day and evening, and the large five stamp battery will probably be running to-day. It will be driven by Hansbrow & Redding's hydrostatic engine. Large numbers of new entries are constantly coming in. About 100 have been received during the last two days, and quite a large number additional, will probably come in to day from the Christian Commission Fair, which closed last evening. The fine skating pond from that exhibition will be in operation in a day or two in a room now being fitted up especially for it at the Pavilion.

FRUITS AND FLOWERS.

One of the most beautiful, interesting and suggestive features of the Fair, is the exhibition of the collection of trees, shrubs, flowers and fruits, of which there are large numbers from the California and St. Ann's nurseries, and the orchards of Mr. Nickerson of Lincoln, Placer county, W. O'Donnell, of San José, and many others. The collection of plants from the garden of Mr. O'Hara includes seventy-six varieties of evergreen shrubs, principally exotics, from all parts of the world, but all grown in the open air in the genial clime of California. Among these plants are the beautiful Norfolk Island pine, gum, wattle and other ornamental shrubs from Australia, the famous emblematical holly of Old England, the elegant golden laurel from the West Indian Islands, fucias, geraniums, of tree like proportions and with blossoms of every tint and hue, the fan palm from Africa's scorching clime, and many curious, elegant or perfume bearing plants from China, Japan, Australia, India and Europe, among which are fifty-varieties of dahlia, 100 of verbenas. Some of the boquets on exhibition by these contributors contain specimens of more than one hundred different kinds of flowers, the perfume of which is truly delicious.

Mr. Lanzenare of the St. Ann's gardens is equally extensive and rich in variety as that of Mr. O'Harra. These two gentlemen, assisted by Mr. O'Donnell, furnish the beautiful collection of evergreens and flowers with which the central pyramid is decorated, and which forms such a beautiful feature of the Fair.

The collection of fruits on exhibition is without doubt the largest, most beautiful and varied ever exhibited at any Fair in the world, of fruits grown in the open air. There is no country in the world except our own famed California, where the orange and date of the tropics would flourish side by side with the hardy fruits of the frigid North. There are no less than 250 varieties of apples, 200 of pears, 50 of peaches, 150 grapes, 25 plums, 10 figs, 10 quinces, besides walnuts, peanuts, almonds, oranges, lemons, limes, pomegranates and many others—and such fruits. Not your puny, sickly little apologies for the names they bear, but apples and pears that weigh more than a pound each, peaches equally large, and grapes in clusters feet in length, and of a flavor that would make old Bacchus vintner stare, and Jove's manufacturer of nectar go into ecstasies. With such fruit can it be wondered at that the manufacture of wine is becoming one of the leading interests of the State.

MACHINERY AT THE FAIR.

In addition to the other machinery exhibited by Mr. Stoddart, as noticed yesterday, he also exhibited a very superior Blacksmith's Hand Drill, manufactured in this city; also a very effective boiler iron punch, of light construction, but great proportionate power.

McCauly & Wheeler exhibit a hydraulic pressure Water Wheel, a new invention, for which they have taken the necessary steps to secure a patent. The one on exhibition can be run so as to give off 100 horse power by employing only 20 inches of water, miners' measure, with 460 feet head. Of course any intermediate power can be obtained by a less head. Any one curious or interested in such matters will do well to obtain a circular from the exhibitors, showing the revolutions per minute with different heads and quantities of water. The wheel is made of five different sizes.

Mr. B. Faehery also exhibits a neatly constructed, miniature hydraulic Water Wheel, designed for a high head and a small quantity of water. It will be driven during the exhibition by a force pump capable of applying a pressure equal to 400 feet head. This is a California invention—"Patent applied for."

A. Tyler also exhibits a Water Wheel, manufactured at the Golden State Iron Works.

Mr. Elliott, engineer of the Bensley Water Works, exhibits a "rotary, water and steam Engine Pump and Water Meter."

Messrs. Johnson & Reay, exhibit a very superior copper Hand Pump.

Mr. A. J. Smith, of 33 Webb street, exhibits a most excellent hand pump, known as "Hudson's Improved Pump." This pump is manufactured in this city, by the exhibitor. It will be found properly labelled, and in that portion of the Pavilion set apart for machinery.

A HINT.—As any one will observe on examining the many new inventions and machines on exhibition at the Mechanics' Fair, most of those possessing any merit are marked "patent applied for." Mechanics and inventors should take this hint, and when they contrive or conceive any design for any machine or instrument calculated to be of any use or importance, apply for a patent, and thus secure to themselves all the benefits of their own thoughts and labor. The office of the MINING AND SCIENTIFIC PRESS, possesses superior facilities for securing patent rights—a word to the wise is said to be sufficient.

There Was Nothing in It.

The proprietors of the MINING AND SCIENTIFIC PRESS, with a view of honoring the "art preservative of all arts" represented at the Fair, at considerable cost and much trouble, have had a printing press and type set up in the fair building with which they publish the DAILY FAIR PRESS, containing eight pages and 32 columns of interesting reading matter connected with the fair, which they gratuitously distribute to the visitors—an amount of liberality every reasoning being will fully appreciate, but it appears there are some beings who do not—such an one exhibited himself yesterday. He was what appeared to be a man dressed in the extreme of dandyism, gloved, perfumed and jewelled in the highest style of the art, in company with whom was a very intelligent and quite a charming looking young lady, who as she passed through the crowd, always collected round the "PRESS" to see its mysterious operation, desired to obtain a copy of the FAIR PRESS to read its contents—every sensible lady appears to be anxious to do so. But her foppish companion giving his insignificant little nose an altogether unnecessary additional turn upwards, exclaimed in those peculiar accents the types will not convey. "Ah, No! my de-ah—dont take it, there is nothing in it;" a charge that with much more truth might have been applied to the speaker's head. The PRESS, though not a newspaper, was the first to publish an account of the disaster to the Washoe, and always contains useful and interesting reading.

FACTS AND FIGURES.—The following are a few facts and figures connected with the costs of the Pavilion of the Mechanics' Fair: In its construction, 339,000 feet of lumber has been used. Its total cost so far, has been about $18,000.

WIDE WEST MINING CO.—This company, after a year's work on their deep shaft, have found a large, well defined ledge of *pay* ore and have commenced drifting on it, preparatory to taking out rock for their mill. The Superintendent while re-assorting the rock in the upper chamber, recently discovered the old original ledge, which had been covered up, either by accident or design, and was supposed to have "run out." The superintendent thinks he has now uncovered and in sight enough of this pay rock to keep the mill running for one year. He also states that on the 30th of August, while the laborers were removing some timbers of the mine, a large cave or slide occurred disclosing a new vein of ore, six feet in width, which he thinks will yield over $60 per ton. The superintendent writes that the mill has just cleaned up from a crushing, and finds the yield to be $25 per ton. The rock now coming from the deep shaft is better than that obtained from any other point.

If the above is all true, the Wide West must soon become a good dividend paying mine.

REVOLUTIONARY RELICS.—Among the objects of interest at the Mechanics' Fair is a fragment of Plymouth rock, on which the Pilgrim Fathers landed in 1620. A silent but most expressive memento of an event, that by founding a state of society in which intellect, virtue and skill are the only insignia of nobility, has revolutionized the world of science, arts and manufactures, and given such a dignity to LABOR, that the highest intellects in the land are to be found among its followers, as is evidenced by the objects on exhibition at the present Fair. This fragment, the property of E. I. Barra, is the only piece of the rock on this Coast, though there are thousands of the descendants of the Pilgrims among us.

Another interesting relic is a wine glass which was on board the vessel from which the bold defiers of royalty threw the tea in Boston Harbor, in 1774. This relic, preserved with so much care by the descendants of one of the persons engaged in that memorable exploit, is the property of Mrs. Barnes, of this city.

NEW ANTIDOTE.—A few years ago M. Herran, French Consul General at Salvador, discovered a sort of bean, the *Smoke cedron*, which is a specific against the bite of venomous reptiles. While on an important mission across the mountains, one of the Indians of his suit was stung by an *equis*, one of the most dangerous of the snake tribe. Another Indian, however, at once administered a powder, which the patient swallowed, and a perfect cure ensued. M. Herran immediately purchased the secret, which was simply the above-mentioned bean reduced to powder. A quantity of this bean is now on its way to France But for venom of a less deadly nature, such as the sting of the bee or wasp, phenic acid is an excellent antidote. This acid is obtained by the decomposition of spyroilic acid, salicine, and coal by heat. It is solid, colorless, and crystalizable; it melts at 35 degrees Centigrade, boils at 188 degrees, and has a peculiar odor and a pungent taste. It is scarcely soluble in water, but very much so in ether and alcohol. This acid applied to the place will stop the inflammation and take away all pain.—*Galignani.*

GROUNDLESS FEAR.—The deplorable calamity that (befell) the steamer "Washoe," and which has created so much sorrow in this community, appears to have caused everything in the shape of a Steam Engine to be an object of terror to some people. We were highly amused at an occurrence in the Fair Building on Wednesday last, during the time when it was raining. The first few heavy drops that fell rattling against the roof of the building, caused a peculiar sound, which the lady could not understand, and the accident being probably uppermost in her mind, the idea of a bursting boiler presented itself, and she became so much frightened that she picked up her little girl, and rushed for the door, apprehensive that the building would fall and crush them, a most groundless fear, for though extremely high and airy to appearances, the dome of the Fair Building is most strongly and substantially constructed.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventors can be secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

HOME FINANCES.

We note no new feature in the money market. A fair demand prevails at Bank and in the open market, and there is no lack of good commercial paper offering for discount, most of which is taken at former rates—1½ ₱ cent. per month. Loans upon first class city property can be effected at 1¼ ₱ cent. per month, where the parties are well and favorably known to the lender. In making loans of this character, many of which do not mature short of 12 months and some have two years to run, a lurking apprehension still exists on the part of capitalists, that certain contingencies might in the future arise, whereby payment could be made in a depreciated currency notwithstanding the Supreme Court of this State has decided against such a proceeding, if an express contract is made to pay in gold. A higher tribunal it is said, by some, will be called upon a few months hence, to pass upon the Constitutionality of our Specific Contract act and this Court may take a different view of the validity of our State Laws which in a measure abrogate those of the Federal Government. It is quite apparent that many persons entertain slight fears of a decision of the United States Supreme Court, adverse to that of our Supreme Court; but it is well perhaps to avoid speculating at this juncture, upon such an untoward event.

Loans upon Mining Stock Collaterals for short periods and with wide margins from current market value, continue to be made at from 1½ to 3 ₱ cent. per month. The agents of the Bank of British North America, in this city, are now prepared to transact a general banking business and are offered by the home institution ample capital and other facilities for this purpose.

The Eastern Exchange Market has not opened yet, for Monday's steamer. Currency Bills on the Atlantic, are likely to rule at about 125 ₱ cent. premium on gold; Telegraphic Transfers at 5½ and Sight Drafts, payable in coin, at 3½ ₱ cent. premium.

Legal Tender Notes have ruled throughout the week at from 40 to 45 and close at about 45½. Latest telegraphic advices quote gold in New York at 233.

A BIRD'S EYE VIEW OF BUSINESS.

Taken as a whole, the week presents few items of general interest. Business has been light. Importers continue to complain of constant dullness, while at the same time Imports are augmenting and stocks rapidly accumulating in Bonded Warehouse's. Foreign Importing merchants appear to complain more than those who are engaged in bringing goods from domestic Atlantic ports. It is true that many goods even from New York and Boston are slow of sale and almost a drug upon the market, and yet the assortment is so great and varied that it would be strange if they did not dispose of large amounts in the aggregate.

Jobbers of groceries and hardware are very busily engaged executing interior orders for goods. While dry goods dealers, boot and shoe men and druggists generally complain of unusual depression, demand light and prices of their goods but feebly sustained. Another point tending to this pressure is the fact that the auction rooms have been sorely taxed with the weight of dry goods, clothing, boots and shoes daily offered and sold under the hammer at low prices. In leading grocery staples, Sugar, Rice and Tea have been liberally dealt in and prices of raw Sugar have slightly advanced—refined have declined. Rice has jumped up in value, and Teas have been largely dealt in, as compared with the transactions of the past few months.

No special excitement or speculation exists at present to any extent, in any prominent articles of merchandise. Provisions (smoked,) have been more freely purchased of late. Butter is lower, lard is neglected, hams and bacon have sold largely while pork appears to be in light demand. There is but a moderate inquiry for breadstuff at the high prices ruling, still there is an occasional cargo of wheat and flour sent off, while there are strong indications that ere long we shall be in receipt of both from Chili—possibly from New York, and certainly supplies from Oregon, some of which have already reached us. A cargo of barley is now enroute for this port from Chili, and there is no doubt more will come after January next

We quote flour $9@9.50 for superfine, $10@$10.50 for extra; wheat, $3@$3.50; barley, $3@3.35 for new and old; oats, $2.50 @2.75; corn, $3 25@$3 50; beans, 3c; potatoes, 4c; bran, $40@$42; straw, $10@12; Butter, Eastern, 30@32½c; California roll 55@60; lard 15@17c.

YESTERDAY AT THE FAIR.

New attractions are constantly being added to the exhibition at the Pavilion. Yesterday considerable additional machinery was put in motion. Hendy's Improved Circular and Gang Saw Mill atracted much attention last evening; also, Haliedie's wire rope machine. Hausbrow's & Redding's Hydrostatic Engine was subjected to a load for the first time last evening. The five stamp battery, which has been for some time in preparation, was belted on to this engine last night. The machine took the load right along as smoothly as any steam engine could have done, and pounded away until the foundation of the battery gave way under the weight of its enormous blows. Much curiosity is manifested in an improved rotary quartz mill now being put together in the corner near the the fly-wheel of the steam engine. We shall describe this machine in a few days. An elegant wire booth or summer house was yesterday placed over the beautiful aequarium near the center of the Pavilion, and very justly attracts much attention. The skating pond will soon be ready for exhibition. A great number of minor articles of interest and value have been added to the exhibition since yesterday's issue.

The Pavilion has already become quite a fashionable place of resort and promenade in the evening. The pleasantest time to visit it, however, is in the day time, when there is no crowd—especially for those who desire to examine and study carefully the articles on exhibition. At that time, there is just about company enough to make the exhibition pleasant and interesting. An additional attraction will be added this afternoon. The Band which has heretofore discoursed its sweet music evenings, only, will be present this afternoon, on and after 2 o'clock. The receipts at the door yesterday were $2,200, making a grand total for the past week of $16,560. The receipts for the Sanitary Cheese were $105. Sale of fruit for Sanitary Fund, $5 50. Mr. Stevens, of Fruitvale, has sent a magnificent box of fruit for sale to-night.

An article on the Art Department has been unavoidably postponed until Monday; also several other matters to which we intended alluding to-day.

PROFESSOR SILLIMAN, accompanied by the well known banker, John Parrott, Esq., and several gentlemen from New York, left this city yesterday evening on a tour of inspection to the Humboldt and Reese River mines. The party expects to be absent about one month.

Alphabetical List

OF THE

NAMES OF EXHIBITORS AND ARTICLES

AT THE

Mechanics' Fair.

[The list will be made complete in our next issue.]

Anaheim, U—Three and one-half dozen California wine, and one half dozen california brandy.
Appleton & Co., D. E., a case of cutlery.
Armes & Dallam, twelve dozen pails, three nests tubs, etc.
Atkinson, J—The model of a locomotive grate.
Atkinson, Mrs. S,—8 frames leather work.
Avery, E., a khit quilt; two quilts with figures of mariner's compass.
Austony, M.,
Alvarado, Miss Delfina, a picture in worsted, and a sofa cushion.
Aitken & Co., a marble center-table.
Adams, Dr., a case of zephyr worsted work, and a case of dentistry work.
Arnold, Fortunatus, three paintings in oil.
Adolph & Son, a case of imported tobacco pipes.
Allen, W, two specimens of scroll sawing.
Ayres, Dr W O, two cases of borax, refined and unrefined, from Lake county,
Adams, J Q, three pictures in pencil and water colors.
Abbott, C. L., a frame shell of moss-work.
Ames, Miss, a card of lace specimens.
Aram, W., two bottles white wine
Arthur & Son, J D., a reaper combined (Seymour & Morgan invention,) a model giant reaper, four cast steel plows, a pair of large elk horns, and a pair of small deer horns.

Barrell, L. J.—Three bottles of California wine.
B. A. S., Mrs. a frame of ornamental needle-work.
Bertrand, R., one lady's skirt.
Bolio, Dr., an apparatus for extracting teeth without pain.
Baxter, W. S., two crayon drawings
Bisbop & Chalmers, a Scotch newspaper of 1707.
Beckford, D. R., three jars of oyo-water and frame.
Blake & Co.—Two cases of military goods.
Bosqui & Co.—Samples of bookbinding and stock used in trade.
Brooks, R. F.—A case of hair-dyes and perfumery.
Baxter, W. H.—A patent churn.
Buswell & Co.—A show case containing specimens of bookbinding.
Brown, J. D., model boat (plunger).
Bausman W., two books, the first issued from the California press.
Bernhardt, B., needle work, framed.
Benoit, G., 1 daylight reflector.
Barker, J. B., the model of an excavating machine for ditches and levees.
Benoist, G., two samples of kerosene oil and three of crude.
Byrne & Castres one case Saleratus bitters.
Bewley, Mrs. M. L., an embroidered shawl pin.
Bell, Miss, two pictures in water colors.
Bunnell, G. F.—A case of dentistry.
Barton Bros.—Ten sacks of Carmen Island salt, and three selected samples of the same.
Brown, H. W.—A book of indigenous plants and flowers.
Barnes, C. A.—A child's embroidered dress, and two bottles of raspberry wine.
Bennett, Mrs. W—A parcel of fancy needle-work, chair covers—six pieces.
Burkhardt, G—A case of boots.
Bnnuer, Mrs.—One case preserved fruit.
Beebo & Lynde, Sacramento—A challenge washing machine.
Blum, J.—A specimen of penmanship.
Bayer, Mrs., Sacramento—A lot of bead, worsted and net work.
Blaisdell, S. F., San Francisco—Caloric engine, Roper's patent; four rotary pumps, invented by Stannard.
Barra, E. L., a small frame containing a piece of granite from Plymouth Rock.
Barnes, Mrs. C. A., a wine glass taken from the ship from which the tea was tossed overboard in Boston harbor, in 17—; also, a pewter tea pot, one hundred years old.
Bartling & Kimball, one ledger (blank book manufactory), two bibles, (to display binding).
Bell, E., a show case of anatomical instruments.
Brodi, J., the model of a patent amalgamator.
Bach, John, a show case of sportsmen's articles.
Bernhart & Wolf, a couple of shells.
Brooks & Co., C. W., two bags coffee; three kegs sugar; two kegs Metcalf; one barrel rice; one bale pulu; three boxes tapioca; five packages tobacco and cigars.
Brown, Mrs. E., an oil painting.
Brackett, M s. E. M., a frame of crayon portrails.
Burrage, Miss Aurelia, one pencil picture, a toy set of worsted furniture.
Butler, Master F S, three framed specimens of penmanship.
Blasser, Mrs Adele, a crochet collar.
Brown, Mrs, one crayon fruit piece.
Burges-s, H, six guides for cutting lead pencils, system of drawing in three numbers, system of penmansbip in ten numbers, and one pencil drawing.
Brickwell, Mrs, a patch-work quilt.
Bieu, Joseph, a combination lock.
Bacon, Louis, a plaster of Paris monument.
Brignardello & Bros., ten pieces of marble statuary.
Brown, Wm., three covered buggies.
Brooks, F C, a patent buggy.
Bessemer, H L, a case of cosmetic hair-oil; tooth powder and pomade.
Blair Robert, the model of a ship.
B. L. Solomon & Sons, a case of upholstery goods.
Baldwin, Miss I. C, a case of hair jewelry.
Brignardello & Co, two boxes of San Francisco made macaroni.
Brydges, M C, four chimney tops; two ventilators and dampers.
B. P. Moore & Co., one lot walnut parlor and oak library furniture, reception chairs, wardrobes, inlaid marble tables, and school desk and chair.
Brayton, A. P., a "Peacemaker" stove, and a field coal burner.
Beth, J. M. a redneer and amalgamator,
Beale, Thos., one oil painting.
Behrens, Dr., a tiger-skin buggy robe.
Barney, W, a patent circular saw filing machine.
B H Freeman & Co., a rosewood vase.
Burgess, H, a specimen of penmanship, a pencil drawing, slate pencil sharpener.
Burgess, G. H., five water color pictures.
Bath & Morrison, a butcher cart
Brown, Mrs. H S., a specimen of needle work.
Barbaries, Felix, a patent feathering paddle.
Brown, Miss B, a frame of needle work.
Breidenstein, L, a show case containing fancy boxes.
Bower, G., one model fire-apsetter.
Barra, G. L., a half dozen blackberry cordial.
Braman, Isaac, two bottles white wine.
Bernard, Charles, a giant loaf of bread.
Brarg, Robert, a patent gang plank.
Branman D., fifty-three pieces terra cotta ware and pottery, from San Antonio.
Ball, J. M., four specimens of wharf piles, perforated by the toredo.
Burke, J. E., a map and crayon sketch.
Brian, C. S., two packages of needle-work.
Calvert, Dr, a case of manufactured tooth and corundum wheels.
Comfort, M. D., a boquet of wax flowers.
City College, a pencil drawing.
Copeland, W. W., a vase of wax flowers.
Cleary, Mrs, three specimens of preserved flowers.
Collins, D, an engraving.
Cardiff, Miles, five old oil paintings.

Chase, G. W.—Six bottles of California horse-radish.
Churchill, J. H.—A coal oil test; stearic acid crystals, (new process;) bitumen in glass (new process).
Carlos, G.—Three saddles.
Curtis, Mrs. M., four charts, for cutting dresses, pants and coats, four dolls and a doll chair.
Chamberlin, H. L., a crystallized water cooler
Clark, R. F., a pencil drawing, "The Scotch Gamekeepor."
Coben, Mr.—A case of dried California insects.
Chadbourne, Miss—A piece of black lace.
Crowell, G. E.—Model of a house with furniture.
Campos, A. O.—A Mexican saddle.
Chipman, Mrs., a log cabin quilt.
Conrad, A, one writing desk chair, one shaving stand.
Clover, H, a bag of specimens copper ore, from Bolinas, Marin county.
C. H. Hain & Co., an electric clock; a pair of sheep marking tongs; a turning lathe, and a pair of grape-cutting shears.
Cummings, G. J., a box of assorted fruits.
Chy Lung & Co., a case of Chinese fancy goods.
Cahan, Mrs. W. S., a specimen of embroidery.
Christie, Mrs., five tidies.
Coyle, C., a racing boat.
Cook, R., a galvanized iron life-boat.
Canseezar & Hobert, two tables of flowers.
Cady, L., a couple of specimens of quartz from the Potosi mine, Virginia City; a specimen of lava from the Sandwich Islands.
Chy Lung, a Chinaman on Dupont, near Washington street—A monster, carved in wood, and variegated with red, white, brown, yellow, black and green paints.
Chapman, Mrs. C. M.—One show case, containing hair coloring.
Clemm, R. P.—Two sea moss and shell frames.
Curtis, M—An express wagon for carrying pianos.
Clawson & Johnson—A patent churn.
Cummings, Mrs—A worsted picture, in frame.
Collin, Mrs—A tidy, the Quaker family, (a collection of images,) and one infant's robe.
Conrad, M D, two shell and moss baskets, framed,
Clark, Mrs P B, a vase of shell flowers, a case of moss-work in a shell frame.
Coppe, Victor, a child's bedstead in marble, a stand for glasses, a walking cane, a mirror, a bouquet holder, a small oval frame.
Clark & Perkins, Messrs.—Two cases of wool samples, of sundry kinds; also, a table of wool samples, of California manufacture; one case of Kerosene; three bales pressed wool.
Cook H. N.—3 leather hose, 1 blunderbuss, 3 sides leather.
Campbell, J. H. H.—1 lock.
Church & Clark—A frame of fire-works (blank).
Cosita, Mrs. Alexander, San Francisco—Sea moss, framed—an ornamental picture.
Camp, Mrs. J. H., a piece of embroidery.
Chinmark, Moses, the model of a sliding bevel for ship joints.
Cameron, Whittier & Co., three mirrors.
Camp, J. H., a goblet made from the Hartford "Charter Oak," and a pamphlet.
Conroy & O'Connor, a patent pulley block.
Curtis, Mrs M L, fifteen pieces of furniture embroidery.

Dewey & Co., six volumes of the MINING AND SCIENTIFIC PRESS, as samples of newspaper printing.
Dubonque, E.—Three signs.
Durkee, J. L., of Alameda county, a fireman's hat.
Dyer, W. D., fifteen photographs.
Drury, Mrs., glass case of down capes and trimmings.
Drouillart, two billiard tables.
Duquenry, J. B., a Corinthian capital of wood, a picture family frame of black walnut, and a Gothic oak panel.
Dyer, Mrs., a model water-wheel.
Drytown Quartz Mining Company, Amador county—A box of quartz specimens, gold bearing.
Doolittle, Mrs. M. A., one small vase of woollen flowers.
Dexter, A. G., two lever door-gongs.
DeYoung, Mrs. A., a crayon drawing of Gen. McClellan.
Denn, John, a patent wine press.
Dorn, Peter—A case of riding boots.
Doane, Mrs.—A silk bed-quilt.
DeClair, Mrs.—Tapestry picture of Washington.
Durler, Charles, a pencil drawing.
Devoe, Dinsmore & Co., a model sugar mill.
Denney, Mrs. E., a case of tatting.
Daniel, John, a marble headstone.
Durler, Carl, double frame rural scene.
Deaf, Dumb and Blind, a show-case of bead and crochet work.
Dana, Miss Hannah T, a bible cushion.
Dickey, George S, a case of chemicals.
Dewey, J H, a patent churn; Wescott invention.
Doe, C. A., the model of a harvesting machine.
Dreyfors, A, four frames sample cards and penmanship.
Devaney, E., A pencil drawing.
Drury, Mrs., a frame of patent dress cutting charts.
Dulton, Harry, three pictures of flowers in water colors
Doolittle, Mr, three frames of penmanship,
DeCamp, Mrs Abbey G, a glass case of shells and sea weed.
DeYoung, C., a likeness of General Grant, in crayon, by M. A. DeYoung.
Dietrick, W. K., a case of hams, bacon and lard.
Dolliver, Thos., a case of boots and shoes.
Denuis, T. N., a picture in water colors.
Dunn, N. W., a rock drill.
Dr. Beers & Son, a case of dentistry.
Dietrick, W K, three boxes and one bag of bacon.
Davis, Hugh, 3 pumpkins, weighing in the aggregate 125 pounds.

Eureka Soap Company—Sixteen boxes soap.
Eastman & Keith, two frames of engravings on wood.
Englcberg & Wagner, a pyramid of cakes.
Elliott, Charles, a rotary steam and water engine, pump and water meter.
Easton & Bro., two French tables.
Eells, Mr., an oil painting.
Edouard, A, sixteen photographic pictures in frames,
Ensign, W F, one Lillie's monitor bank lock.
Ehrenfort & Co., two show cases of confectionery.
E. Downing & Son, one ead spring covered buggy, and one side-spring ditto.
Eells, A M, a child's carriage.
Elimaker, Mrs, an oil painting, four frames of moss-work, one piece of moss work, and two pieces of coral.
Eckel, L. G., a frame containing embroidery.
Edwards, G. W., oil paintings.
Elmore, M. G., a specimen of copper from Table Mountain, (Copperopolis).
Eleman, Miss R., a lamp mat.

Fletcher, Miss Grace, two water colored photographs.
Frick, A. J., a patent filling and packing machine.
Figel, Miss—A frame of needle-work.
Francis, F., a lady's work-box of California wood.
Folkers, J H. A., a case of surgical and dental instruments.
Fuller, O., an aquarium.
Fella, P.—Scripture quotations in a glass frame.
Field, S. W.—A shell what-not.
Felker, Miss—One box crochet work.
Foster, J. T., of the Cliff House—Three views of the Cliff House, a frame of mosses and a knit bedspread.
Faraud, W. D.—A patent amalgamator.
Frazer, G. W., a breakfast shawl.
Frue, W.. three sections of suction hose; one pair suction spanners; a blunderbuss
Felt, Mrs, a silk quilt and silk cushion, in pencil.
Fuhr, Charles A., a parlor set of furniture, seven pieces; a Turkish chair in black walnut, brocatelle.
Fitzgibbon, M E, two specimens wharf piles, submerged March 11th, 1864, taken up September 21, 1864, one of which was protected by Henry's silicious coating. A comparison instituted between the two.
Fletcher, C. A., five suits boys' clothing.
Fargo & Babcock, a shingle machine.
Field, Mrs., a frame of wax flowers.
Fennel, D., a pair of cavalry holsters.
From Fuca Straits, one specimen of coal.
Feukhanson, A., two kegs of liquors and thirty bottles bitters.
Fergusen, Mrs. M. H., frame of shell work, a basket of shell flowers, two leather work frames, one vase paper flowers, one of rosin flowers, one alum basket.
Foss, Mrs. Thora, a box containing four large chicken eggs.
Forney, Mark, thirty-eight varieties of pears, and nine of grapes.

Green, G. W.—A specimen of penmanship.
Gender, Mrs.—Chenille work, in frame
Ghisky, Anna, Santa Cruz—Shell what-not.
Goetwin & Co.—A lot of furniture.
Gelien, R. G., seventeen cases California tobacco, and a package of the same.
Glover, Geo F. M., ornamental and fancy cut paper.
Gage, Miss M. A., an oriental table.
Gates Garden, a lot of aquariums, baskets, plants, etc.
Gnon, G. W., two cases mechanics' tools.
Goodsell D. C. M., eleven models of boats, steamers, etc.
Golden, Thomas, a model panel for a brick house.
Glave, Mrs. D., a glass case of baby goods.
Garin, P. A., a specimen of penmanship.
Genot, S.—A specimen frame of seals and engravings.
Ganz, Mrs. G. B —A dyed shawl.
Gregg, W.—A pair of buck-horns.
Griswold, Mrs—A basket bed-quilt.
Gibbs, Miss—A glass case of artificial flowers and a frame of hair work.
Gilmore, Mrs. S. D., two tidies.
Girardelli & Co., samples of chocolate, cocoa, beans, prepared cocoa, cocoa shells, roast coffee, and ground coffee.
Graves & Smith, an anchor, in miniature, of copper taken from the Union mine, for Capt. Coukiin of the steamer Cornelia.
Gleason, W. B., one vase and three pieces of carving in wood.
Gibson, H M., one crayon portrait and a crayon likeness of T. Starr King.
Griswold, M s M, one daisy lamp mat.
Greaves, W C, a chest of California wood, inlaid, the work of a sailor.
Gaston & Bro, four pieces of furniture.
Gerke, H, three bottles California wine.
Groves, H. F., a lot of wire samples.
Granniss, Mrs G W, a crayon portrait of General Grant.
Goode, Mrs. M., one bed quilt and three tidies.
Gender, Mrs., a frame containing an agricultural wreath.
Goders, J. D., twelve bottles of washing fluid.
Gray, W. V., two pictures.
Grathen, Mrs., specimens of fine washing.
Gellen, Mrs. Emma, specimens of head and crochet work.
Gallagher & Weed, two moulds of brass sheathing nails.

and rosin.
Hillbelle & Co., an improved wire rope machine, and lot of California made wire samples.
Horstmann & Co., H., a set of parlor furniture, mirror, table stool, etc.
Hitchcock & Co., G. D.—Five sets blank books.
Hilton, Mrs. S., one rag ottoman.
Harvey, Mrs. H., fancy needle work, shirt and chemise.
Huntington, H. L., a bundle of sawed shingles.
Hunter, Mr., a concentrator, amalgamator and separator.
Higgins, S. C., model of a house, on paper; 1 mechanical drawing; three Grecian paintings; 2 pieces worsted needle work (pictures); 1 moss wreath; 1 piece of needle work.
Hinkle, H.—A map drawing.
Hylton, G. D. M.—A hair wreath, in frame.
Holloway, L.—A gang plow, patent hames and horse collar.
Hodgdon, Mrs—A shell bonnet.
Horner, J. M.—Two washing machines.
Hobson, H—Eight pencil drawings.
Harris, Jerome—A model brig.
Heald, E. P.—Three specimens of penmanship.
Harrison, W W, a case of feather pictures, and a photograph enginn of the Kearsarge.
Hall, Mrs H, a case of fancy needle and silk embroidery.
Higgins, T J, a plain photograph of T. Starr King.
Harris, R L, model of an improved car turn-out, with car for horses and mining railroads.
Hofer, H. G., a large mirror, thirty-six by sixty-six.
Herzer, H., a case of assaying implements.
Hamburg, August, nine pieces of furniture, consisting of a dining-room set, two Gothic chairs, one piano stool, one reclining chair and a wardrobe.
Hunter, A., a patent grain separator.
Harvey, Mrs., a show case containing a steel-head cushion.
Hawley & Co., seven plows, a Buckeye mowing machine.
Hotchkiss, T. B., a patent butter worker.
Hill, S., a lot of Florence sewing machines.
Haynes & Lawton, two cases containing china and glassware, imported.
Halstead, J., a cider and wine mill.
Hoskin, Richard, two hoisting gins for mining purposes.
Harrison & Co., W. P., a cord press and specimens of printing, plain and in colors, for competition.
Hayes, C. C., a wreath of worsted flowers, framed.
Holt, Warren, two school desks.
Hamma, P.—Twenty jars of snuff and tobacco; one package tobacco in paper.
Hough, H. E. 113 varieties fruits.
Hoyt, H. C., a skeleton boat model.
Hopkins & Johnson, a 2-stamp prospecting quartz crusher.
Harrickson, B. A., four patent chimney tops.
Hendy, Joshua, a gang circular saw mill; a heavy piece of machinery erected in the main hall of the Pavilion.
Hucks & Lambert, samples of axle-grease, turpentine, pitch
Hall & Co., E. G.—A case of re-cut files.
Hale, H. R.—A gang plow.
Harrison, C. H.—A large wrecking pump; one ditto of smaller size; two small eccentric ditto; pumps and engines (centrifugal).
Hopkins, H. L.—An amalgamator.
Hughes, George—Seven drawings.
Hill, Mrs. S. J, San Francisco—A French calico quilt.
Hough, E. F., the model of a self-regulating windmill.
Hiff, Thomas, fourteen oil paintings, landscapes and portraits.
Hittel, John S., two bottles of red Anaheim (wine,) vintage 1861.
Hodge & Wood, three copying presses, (Hoes', Now York).
Holland, Miss Lizzie, four worsted vase mats.
Hamstead, J. B., a case filled with art specimens of wax.
Haraszthy & Giovanni, four dozen Sonoma wines and brandies for competition.
Hopkinson, Mrs M C, Herald of Freedom, of 1789.
Haight, A J, a case of California manufactured gold pen.
Harmstead, J B, nine wax-work pictures in frames.
Holmes, M P, a covered buggy.
Herman, G, a case of stuffed birds and a coyote.
Heald, Jobu, a case of dentistry,
Hobbs, Gilmore & Co, one sample of E D Wilson's Los Angeles wines and brandies.
Headley & Co., one lot Sonoma champagne, Sutter hock farm wine, and brandy bitters.
Hall, Mrs. M. J., two bars of copper, one of Galena; a copper condensor.
Hughes, M E, a billiard table for competition, and to be sold for Sanitary Fund.
Horner, Mrs. J. C., a basket of wax fruits and vase of flowers.

Industrial Drawing Academy, nine mechanical and arebitectural drawings.
Isaacs, C, a frame of shell-work and a pastoral sketch.

Jewett, Jarvis, an artificial leg (Palmer's patent).
Johnson & Reay, a rotary pump, a double-action pump and a chimney cap.
Juice, E. V., a wreath of flowers, framed.
Jones, Samuel—A fire proof safe.
Johnson, C. G.—Copper specimen.
Jamestown, Iron—A box of quartz specimens.
Jones, J. T., a yacht model.
Jacks, D., a box of white sand, same as used by glassblowers.
Johnson, A. P., thirty-nine frames of photographs, plain and retouched.
Johnson, N T, six paintings in water colors; a fruit piece in oil; two heads in poucil, and four in India ink.
Jobson, Mrs E, a frame of wild flowers.
Jacobs, S, a specimen of worsted work, Joseph and David before Pharoah.
Johnson, E B, the model of Novelty amalgamator.
Joseph Bros., one case containing a silver figure of agriculture, and seventeen gold buckles, one of which is set with valuable diamonds.

Jump, Edward, his comic lithographin picture of distinguished characters at the Fair.
Josephine, Miss Anna, a chair tidy.
Johnson, T R., a case of Masonic and Odd Fellows regalia, and a case of military goods.
Johnston, J H., twenty-one ale, pints; half dozen ale, quarts two dozen porter, pints; half a dozen porter, quarts.
James Meeker & Co., a patent spoke-bureing machine.
J. Joseph & Co., three stands of boys' clothing
Jackson & Johnston, samples of California cotton, and a cotton gin.
Jessup & Co., W. H., a show case of boxes, California matches, a glass sample case.
Jewett, Jarvis, two artificial legs.

Knapp & Co.—Two cans of Oregon turpentine.
Kellogg, Dr. A., a case of specimens of electrotyping.
Krause, Mrs., an embroidery rug.
Krietz & Cosbie, thirty-seven horse-collars.
Kimball & Co., C. P., carriages and buggies.
Keene, C. C., a show case of fiutinas, banjos, etc.
Kohler, A.—A parlor organ and case of musical instruments.
Kruse & Guler, a specimen of copper ore from Union mine, Del Norte county.
Koehler & Frobling—Wines and liquors.
Koehler, August—A show case; trusses and braces.
Kimball & Thayer, the model of a schooner's hull.
Kendell, S., two patent pans for working gold; one model of an improved sluice.
Kimball & Co., G. P., a London Park Phaeton.
Kerr, James, a crayon drawing.
Kibbe, Wm. C., an embroidered sofa cushion, of elegant style.
Kaltschmidt, Oscar, five water color paintings and a sketch in India ink.
Kalschmidt, Oscar, eight portraits and one landscape, in oil.
Kenney, W B J, a case of gold pens.
Krause, G H, three bottles of red California wine.
Koch, W., an oil painting.
Kaltschmidt, Oscar, three water color paintings, an India ink drawing, and three paintings on ivory.
Kittredge, Jonathan, one burglar-proof Monitor safe; one do do with Isham's patent locks.
Krasker, M, two specimens of penmanship.
Keller, M., a dozen bottles assorted California wines.
Kimball, G. P., a patent clothes pin, from Vermont.

Lawrence & Houseworth—A case of optical instruments; stereoscopic goods and cutlery.
Lewis, R. J., five pieces burr work.
Long, Mrs. Mary Jane, four bead baskets, made by a blind girl.
Locke & Montague, a lot of kitchen furniture.
Lesenfelt, P., a billiard table.
Lewis, Mrs. M. A.—A knit quilt and specimens of chemise embroidery.
Legay & Co., a case of hats.
Lovegrove, Geo. H., a what not and two picture frames.
Lawrence, A, a show case containing bead work
Lavingstoo, Mrs., Redwood—1 frame leather work.
Linden, Harry—One sheaf of Neopold barley, grown by J. Beetie, near Oakland.
Lincoln, Mrs. N.—An ancient deed of sale, framed.
Lawrence & Houseworth, four stereoscopes, two California views, and two foreign views.
Lonquin, E F, a case of stuffed birds and two cases of insects.
Loomis, Pascal, a frame containing specimens of wax engraving.
Lask, Van L, a dozen California broom.
Longshore, J, one trunk and valise, (for competition); six valises; two Saratoga trunks; two sole-leather ditto, one folio trunk; one packing ditto; one concealed double trunk; one common valise.
Lamb, F B, one sheep shearer, one coffee roaster, and one washboard.
Lorquin, E. F., a stuffed eagle.
Lull, G W., a frame containing an agricultural wreath.
Lull, Mrs G W, an agricultural wreath, framed.
Leaphart, Francis, three boxes of chemical olive soap.
Levy, Mrs., two vases of feather flowers.
Lekins, Miss M, a show case containing gilding on wood.
Love, Mrs. H. S., a needle-worked capo, a handkerchief case, and a sampler.
Lang, Mrs., a case of babies' caps.

Miller, H.—Three double driving belts; two pieces of water hose.
Morrell, Charles—Two banjos.
Marwedel & Otto—A foot lathe, of California invention; one door with patent bell hinges.
Martin & Folger, samples of spices, coffee, etc.
Moses, Ellis & Co., one hale double crown paper, six reams do., six reams single do.; twenty bundles straw, board, etc., from San Lorenzo Paper Mill, Santa Cruz.
Mayer & Son, C. T., a lot of furs
Mezzara, P., three busts, one statuette, one medallion, one case cameos.
Mangoriul, D., five statuettes, four medallions, one bust.
McDougall, Mrs. A. C.. two shell frames.
McKoon, A., a wire and straw bee-hive.
Monneck & Co., samples of wood and paper boxes.
Mallon & Co.. John, twenty-one pieces of cut glass, framed and unframed.
Mojica, D., a specimen frame, veneering in rosewood.
M. Carpena, of Union College three water color drawings, one crayon sketch.
Mulney, Mrs. R. A., (87 years of age,) three pieces of needle-work.
Manchester, B., a shell frame.
Milrose, Zorn & Co.—Two cast iron burial caskets, two umbrella stands, one steel guage, one steam counter, three patent measurers, and one box India rubber samples.
Morton, G. M.—The model of an amalgamator.
Medina, F. P.—Seven frames of chenille and worsted work.
McDougall, J. T.—Five bars of copper and a bag of copper ore.
Morton, W. H.—An improved weather vane.
Maxwell, Mrs—A paper of box quilts and knitted work.
Mead & Son—3 rockinghorses.
Maxwell, Mrs.—One case of crochet work
Moody, T. B., a lot of copper ore, Nacasari District, Sonora, Mexico.
Miller, H., two rolls of kip leather, one of calf, in imitation of French manufacture.
Moffat, W. P., a portrait of Burns, by Nasmyth.
McFarlane & Flinn, a couple of horses' hoofs, showing the superiority of their shoeing.
Miller, J. M., a patent bee-hive.
McCourtency, J F, three crayon pictures and one photograph.
Matthiew, Mrs, thirteen pictures in water colors.
Morgan, Elinore, a portrait of Christ in worsted-work,
Morgan, C, a water color picture of flowers.
Mandeville, E, a 40-inch extra bellows.
Marion, S, two models of ships.
McLennan & Grivar, six bales of wool.
Miller, A., one lot furs, capes, robes, skins, muffles, etc.
McGucken, Miss Rose, one quilt made by a girl ten years old.
McAuliff, F. T., two samples of polishing in imitation of rosewood.
Meyer, I. G. H., a case of billiard balls, ivory work and walking canes.
McDonald, Mrs., a vase of wax fruit, a case of hose made of dog hair.
Mission Woollen Mills, four cases of woollen goods.
McKinley, Mrs., two velvet ottoman covers.
Mason's Brewery, a hogshead of XXX stock ale, one ditto of XXX porter; one barrel of porter, three years old, and one ditto of cream ale.
May, Miss Ida, a sofa cushion.
Mission Woollen Mills, four boxes blankets.
Marsh, Mrs., needle-work, Japtha's Daughter.
Montlezun, A., case of preserved eggs, three years old.
Mendoza, A., gold buckle and ribbon.
Meyers, Robert, a case of California stuffed birds; two paper mache portfolios, three do. do. tables, a glass shade and groups of figures; a weather house.
McPherson, Mrs., a sample of woman's walking dress, latest fashion.

Miller, G an improved feathering paddle.

Norcross, Mrs. H. M., a glimping machine.
Nahl & Bro, a lot of photographs, paintings in water colors, and India ink drawings.
Nevins, Mrs. T. J., a child's bonnet, made of pine leaves.
Norcross, Mrs H., a case of fringes, cords, tassels and buttons, of own manufacture.
Norcross, B., large standing show case of Masonic and Odd-Fellows' regalia, flags, etc., of San Francisco manufacture, and a case of military goods.
National Guard, two pictures, "War Roll" and "Flag Presentation."
Newman Bros., a case of California-made brushes and a butter-line brush.
Neagle, S. F., harness cask (for ship use,) and one choese press hoop (encircling the mammoth cheese.)
Northey, Mrs. H. H.—A quilt.
Nagle, G., a photograph.
Nutz, F, a banner painted on silk.
Neall, Mrs James, one plate of fruit.
Netting, H W, four specimens of artificial flowers and two of needle-work.
New York Brewery, (Hunneberg & Co.,) two kegs prime lager beer.
Newman, C., a patent kerosene lamp.
Newman, C., a dozen patent sealing fruit jars; one dozen and a half specimens preserved fruit; one patent box for collecting fares.
Nestor, John, Brown's papent metallic weather slips.
Neil, Mrs. James S., California leaves in the anatomy.
Nile & Kollmeyer, seven oil paintings.

Osgood & Stetson—A lot of tinware.
Occidental Hotel, a case of minerals.
Overmayer & Rappold, a show case containing boots and shoes.
Occidental Hotel Laundry—One case specimens of laundry work.
O'Hare, J., a lot of evergreens, green house plants, dahlias, verbenas and boquets.,
O'Cooner, J P, a fruit piece.
Otto, F, seven pieces of wooden mouldings, a book on moulding.
O'Brien, M., a butcher's cart.
O'Hare, S., a plate of large sized apples.
O'Donnell, W., twenty-eight varieties of apples, twenty-eight do, of pears, two bottles white wine, two do. red, two do. peach brandy, one pear do., and one of apple do.

Prime, S—The model of a ship.
Page, N.—Eight pieces of redwood.
Perkins, D. L. 101 bottles California seeds, five varieties corn in ear, and a squash in good preservation, of 1861.
Patterson, John, twelve medallions and two busts.
Plate, A. J., a show case of guns, pistols, etc.
Pendegast, J., a hot and cold shower bath.
Patterson, J. D., two spanish merino fleeces, and one card sample of wool.
Perez, Antonio, four shell frames; one shell basket; one shell what-not; one pair white shells.
Peet & Son—Two Mexican saddles.
Pollock, James—A chess table.
Pfeiffer, E. I.—f poncil drawing.
Popper, Miss—1 buggy robe.
Paine, C. A., Petaluma—1 bailing press.
Parker, Mrs. M. H.—Two cushions, crape and chenille.
Paulinson, Henry, San Francisco—4 fresco paintings.
Price, J., Petaluma—Hay press.
Peck, G. H., and G. Vernard, samples of a steam boiler cleaner, an antidote for scales and incrustation.
Pearson, Miss, a specimen of penmanship.
Pacton, Wm., an architectural drawing.
Parker, Mrs M., a knit quilt.
Parker, J W, a drawing of the Gould & Curry Mill engine.
Paine, H J, a case of dentistry work.
Prevost, L., a lot of California silk on paper, one lot on reel, one lot of cocoons, one lot of silk worms.
Pollard & Moore, a covered rockaway
Porter G K, five cases boots and shoes.
Prater, E. B., a concentrator.
Plummer & Co, five bags of salt; four smaller sacks; samples of the same.
Paltengal & Larsennienr, nine specimens statuary.
Price, M., a case of cutlery.
Pfaff, Geo., three flutes and two clarionets.
Plummer, C A, two pencil drawings.
Pittsinger, Miss Eliza A, a frame of shell work, made by Mrs W N Slocum, of Santa Cruz.
Pratt & Co., a churn.
Page, W., nineteen pieces of sugar pine lumber.

Quick, J W, a couple of perforated quartz mills, a flouring mill and smut screens.
Queen, Mrs—A crochet bed-quilt.

Reid, H.—Eight silver specimens from the Cordilleria mine Mexico, and three ingots of silver and copper from the same mine.
Rice, Z., one case containing lock, keys, stencil plates, etc.
Roos & Wunderlich, one case of artists' materials.
Robinson & Snow, fourteen engravings and chromo-lithographs, in frames
Read, Miss, an apron.
Ransom, L., three pencil drawings.
Rudolph, W.—One gun, in case.
Reed, John—A Whitehall boat.
Ryder Mrs. J. T.—A frame of woollen work.
Ramsdell, P. H.—Two specimens of coal from the Black Diamond Mine at Mount Diablo.
Rice, C. R.—One parcel manufactured horse-shoes and shoeing hammer.
Rosenblat, Mr—A show case containing laces and fancy goods
Regues, Mrs., a piano stool, pin cushion, lamp-mat, and a piece of embroidery.
Russ House Laundry, a case of laundry work.
Roberts, James, a fruit piece, in oil.
Rotazzi, Mrs Amelia, two crayon drawings.
Rosenwig, Mrs, a specimen of worsted-work in a gilt frame
Rosenthal, Toby, three views of the taking of Sebastopol.
Russell & Irwin, one show case of locks and door furniture; a fire and burglar-proof sideboard; one ditto combined, and one specie vault.
Randall, P W, a chess table of papier machio.
Reeves, T., an improved oil globe, a California invention
Ruggles, Mrs. A. H., a hair wreath in a frame.
Reynolds, L. E., twenty-five arithmetical drawings.
Roberts, M. R., nine Italian oil paintings
Roos & Wunderlich, fifteen pictures in frames.
Risdon, Mr., a self supporting pulley.
Reed, T., a model of a life-boat.
R. Liddle & Co., a show case containing guns, pistols and sporting articles.
Roullier, Henry, three pencil drawings.
Rawson, Mrs. J. A., a crochet counterpane, an opera shawl, two tidies and a couple of neck collars.
Ramsdell, B. H., a specimen of coal.
Rappenthal, J. C., a six hundred gallon wine cask.
Ricci & Co., twenty-four bottles assorted punches.
Reilley, Thos., show case of gold and silver leaf.
Root, W. D., a patent tire-upsetting machine with a puncher combined.

Stoddart, David—A steam pump of California invention; seven of Gifford's injecters; a blacksmith's drill, California invention.
Schumann, H.—A show case of pipes.
Salmon, J. W. C.—An amalgamator and a churn.
St. Louis Brewery, two kegs of lager beer.
Smith, M. C., a specimen of penmanship.
St. John, E. G., three pictures in water colors.
Swaine, J. H., a case of boots.
Sack, J. C., a case of optical and mathematical instruments.
Stewart & Co., J., samples of rosin and turpentine.
Shaw, S. W., nine oil paintings.
Simms, John, a specimen of copper ore from Fall Creek lode, Josephine county, Oregon.
Searls & Co., A., a lot of huggies.
Steele & Co.—Twenty-nine trunks, five valises, and twenty-two bags and satchels.

Swain & Co., R. A.—A lot of glassware and china.
Smith, A. J.—A brass and copper force pump.
Session, Mrs, J., two frames of sea moss, one frame of hair work, one card crochet-work.
Schiedell, C W., three tidies.
Sweet, S., a box of natural leaf tobacco, grown by Larco and Williams, Tolare county.
Souther, Mrs., two quilts.
Short, Mrs L H.—Five pencil drawings.
Sherman, B F.—A cotton quilt.
Stemberg, Mr—A pencil drawing.
Stern, Jacob—A pencil drawing.
Simons Mrs—A frame of hair work.
Sebel, Mr—A box of hair tincture and hair dye.
Saunders, Mr.—Two improved whilletrees.
Stevens, J., Redwood City—1 Monitor washing machine.
Scovill, J.—A portable clamp drill.
Steele Brothers, Pescadara, Pigeon Point, Santa Cruz county—A cheese, weighing 3,500 pounds. For the Sanitary Fund.
Sikes, Z., Santa Clara—A roller and grain drill.
Sanford & Co., T. G., a lot of men's clothing and a worked buggy robe.
Swain, Miss, two crayon sketches, one oil painting.
Simmons, S, D., an egg and cake beater, and piece of needle work.
Standard Soap Co., a number of samples of California manufactured soap.
Salamon, Miss L, one embroidered skirt and sleeves.
Snyder, Mrs. J. H., a shell whatnot, to be hung in a room corner.
Strauss, Miss L., one piece of woollen work; a rug and three tidies in bead work; a beadwork cover for stool.
Spaulding, N. W., two patent toothed circular saws.
Simmons, Mrs. Hannah, a picture of Ruth and Naomi in worsted.
Shew, Jacob, ten frames cartes de visito, and fourteen photographs.
Snyder, Mrs, three oil paintings,
Swain, Miss, an oil painting and three crayon sketches.
Schmidt, Miss Mary, nine wax-work pictures in frames.
Santerd, J L, a chenille belt or band, a flannel shirt, a handkerchief, an infant's hat, two pieces of sea foam.
Sprnig & McArron, a side spring buggy.
Simmons, Melvin, model of a pilot boat.
Schmolz, W., a large case of balance scales; surveying and and engineering instruments, etc.
Stearns, D A, a specimen of coach painting.
Stillwell & Co., B. F., a patent frame for advertising, and a card case.
Strabl & Co., Jacob, a self regulating windmill.
Shed & Wright, a half bbl. of Oregon pitch, a jar of bright varnish, from Oregon.
Scoffy, Mrs., a case of shells.
Schmidt, Mr. and Mrs., a show case containing hair work.
Stratton, A, N., a hydraulic pump and two hydraulic presses.
Sanderson, L. F., thirty-eight varieties of pears.
Sbed, C. V., two frames landscape paintings.
Sbew, W., forty-six frames photographs.

Tofft, Mr., five pictures in water colors.
Torning, A. & T., a sign specimen in script lettering.
Tarkington, E. J.—A banjo, with new style of head.
Trimble, Mrs—A quilt.
Tabor, R. L.—A specimen of drawing in India ink.
Tubbs & Co.—14 coils cordage.
Taylor, S. P., Pioneer mills, Marin Co.—14 bales wrapping paper.
Traver & Brother, San Francisco—8 Eureka wringers, N.Y.
Townsend, L R, an arebitectural drawing.
Torney, G, two specimens penmanship.
Teubner & Hoffman, three show cases.
Ten samples of powder from the California Powder Works, at Santa Cruz.
Tolle, Oscar, a piece of shell work.
Thomas, Mrs H, a bead card basket.
Tolle, Mrs. M., a show case containing fancy needlework.
Truewortby, F. M., three frames of stencil plate impressions.

Unger, A., two vases wax flowers.
Uszynski, Mrs., a frame of fancy hair work, set in gold.
Union College—One mechanical drawing and a water color drawing.
Union College, Pupils of—A couple of mechanical drawings.
Union College—5 water colors.
Union College, Pupils of—Pictures in water colors.

Van Vleck, Durbin, samples of wood engraving.
Van Reed, Mrs. J. H., a Japanese curiosity.
Verdier, Mme. Pauline, a case of bonnets and millinery goods.
Varney, Thomas, two large amalgamators, three small amalgamators.
Varney, Mrs. Thomas, an oil painting by Mrs. L. M. Spencer, of New York; a "Hebe," by Michael Angelo.
Van Winkle & Duncan, a fire repellingmachine, for competition.
Vou Roun, Miss, crotchet bed-quilt.

Wandersford, Mr., twelve pictures.
Wood, F. G, three pencil drawings.
Wasserman & Co., forty-three oil paintings.
Wheeler & Randall, a grinder and amalgamator.
Walton, E. W., a wine press, made in Amador county.
Walton, H. G., a case containing the statistics of the Mariposa estate.
Williams, W. H.—A couple of architectural drawings.
Webster, Miss M. G.—Two pictures in oil.
Wilson, P.—A model ship.
Wade, Miss Abbey T.—Two worsted worked patterns and a table cloth.
Winter, D. & H. A.—1 Wisconsin seed planter and cultivator.
Wright, J. O.—Shepherd's patent window blind, hinge and fastening.
Weidemann & Chappaz, Marysville—A case of bitters.
Watkins, Mrs., a silk quilt.
Walter & Co., G. F., a lot of men's clothing.
White, J. C., a table of fruit.
Wheeler & McAuley, a hydraulic pressure wheel, and a model of the same.
Wooll & Sutherland, a gilt table; three pieces of statuary; and two oil paintings.
Winter, Daniel, two glass signs in gilding and embossing.
Winter, George, two glass signs in gilding and embossing, and a script sign on glass.
Winter, R, twelve photographic specimens and paintings in water colors, and eighteen cartes de visite.
Waterman, Mrs Adela, a Eugenia opera-glass.
Weeks, Miss Emily D, two specimens of worsted work, one of Wa-bing-tou.
Welsfarean, Mrs. Elisa, a crochet bedspread.
Wadsworth, W, a patent American tiller.
Webster, Miss M E, an oil paintiug.
Wilson & Son, J, six horse-collars.
Woods, Mrs M E, a frame containing hair work.
Wagner, Miss, a small frame of hair-work.
Wood, G. M., a frame of stencil plates and impressions.
Weuzel, G. L., a small cask for two kinds of liquors.
White & Noyes, three reins and headstall of a bridle, manufactured by the Pimo Indians.
White, J. T, four pictures in water colors.
Weickhart, M., a fire-proof safe and a lot of moulding tools.
Well & Finck, a show case of cutlery and a hotel annunciator.
Worthley & Co., three pumpkins, grown on the Sacramento river.
Weed, C. L., thirty photographs.
Euler, H., a rosewood bureau.
Wollenburgher, Miss, a piece of crochet work.
Weed, Miss B., a piece of crochet work.

Yates, Mrs. C., seven tapestry pictures.
Yole, H.—A modern Indian canoe and an Indian bag

Zeik, Frederick, two pianos.
Zeepiare, Mr, eight water-color pictures.
Zwick & Lowen, nine boxes extract of coffee

AN EPITOME OF THE PEOPLE.

Whether the committee of arrangements have done so by accident or design, in their location of the articles on exhibition at the Mechanics' Fair, they have so arranged things that they afford a striking illustration of the principal characteristics of the people of California. For instance: When one enters at the main entrance to the Fair building by the center doors, the first things that meet his gaze are hogs, rotund barrels and cases of beer, ale, wine and whisky. Illustrating that these the lowest of the mere creature comforts, are not despised, though they have a rather prominent but still an inferior position in the general consideration. On the left hand, not far from the doors is a fine collection of boats, buggies and other vehicles, which illustrate the distaste a large majority of the people have for pedestrianism as a means of locomotion. On the right nearly opposite, a number of patent and other kinds of washing and wringing machines, and other labor-saving apparatuses for domestic purposes, illustrate the cleanliness that forms the fundamental trait in a Californian's character, and their dislike of the old fogy methods of washing. Just above these machines stands the printing machine of the Mining and Scientific Press, on which this paper was printed, showing that immediately after the common necessaries and conveniences of life, the next thing sought by our people is that mighty lever that moves the world—the Printing Press. These things form as it were the base of the exhibition—while right in its very heart, under the lofty dome, are arranged rich clusters of fruits and flowers in charming profusion, all growing with vigor and beauty, illustrating that in their hearts Californians cherish a deep-seated love for the natural and beautiful. On the right of the dome are located the many beautiful engines and machines for mining, manufacturing and agricultural purposes, illustrating that mining, agriculture and manufactures, are the right hand of the exhibition and people. On the left hand are a splendid array of the products of our local woolen and other manufactures; while a little beyond these, is an extremely interesting exhibition of the goods and wares of the Pioneer Glass Manufactory, including specimens of whatever it uses and makes, from the silvery white sand of which the glass is made, to the huge carboy for containing home made acids to the tiny phial to hold imported physic. Beyond this are truly magnificent displays of home made furniture of exquisit designs and beauty of workmanship and gorgeous collections of works of art, taste, virtue and utility—which illustrate the comforts and elegancies of social life so dearly prized by all Californians—these form the shoulders, and still further on, as it were at the very head of the Exhibition, are really magnificent collections of paintings in oil and water colors, crayon and pencil drawings. Here the still incipient art of Photography shines out in astounding perfection, the clear atmosphere of California being much in favor of our artists, while many of the paintings in oil, portraits of individuals and familiar scenes in various portions of the State chiefly, our artists finding sufficiently beautiful in nature to abjure the realms of imagination, are executive with a beauty of coloring and fidelity to nature not to be excelled by the artists of any portion of the globe. Here too are on exhibition almost incredible numbers of articles in wool, silk, beads, seeds, shells, and the countless other materials of which the nimble fingers of ingenious, educated ladies contrive to make so many beautiful objects. Some of the Berlin wool pictures on exhibition, from the brightness and correctness of the coloring and clearness of outline, when viewed from a short distance, appear as clear as oil paintings. Here too are the few, but very fine specimens of statuary on exhibition. Now do not these evidences of refinement in the head of the exhibition illustrate the taste and sentiments of the great mass of the people? We think this singularly happy disposition of the articles at the Fair presents a striking epitome of the characteristics of the people—a view which is not a little heightened by a knowledge of the fact that with many, their means are like the articles on exhibition, not as abundant as we hope they will be.

INFLUENCE OF MECHANICS' FAIRS.

As a means to an end, no plan has ever been devised of such direct and immediate efficacy for the cultivation of the mechanical, inventive and artistic genius of a people equal to the local Mechanics' Fairs. It is not claiming a whit too much for these Fairs in asserting that to their influence the United States owe their present proud position in the van of all nations for the inventive skill of their artizans, the superiority of workmanship, and the manufacture of machinery for so wide a range of purposes. These Fairs—peculiarly "a Yankee Notion," occurring periodically in every town and village of the Free States, particularly—afford a significant proof of the advantages a nation derives from free labor.

In our own young State, who will deny that such fairs have accomplished important ends in giving an impetus to arts and manufactures by offering the incentive of reputation and reward for excellence in every branch of local industry! The high value of labor among us, the wide fields for its employment our rich mines and those of the neighboring Territories offer, have doubtless much retarded the progress of all branches of manufactures, and has prevented many of our valuable natural productions from being brought into commercial importance. But with this serious drawback to contend against the advance of California in the arts, agriculture and manufactures, as exhibited by specimens at the present Fair is most gratifying and important. The manufactures of wool, and glass, on exhibition, for variety, quality and design, are not excelled by similar manufactories in any State in the Union. The value of the articles made directly from the natural productions of our soil—such as rosin, turpentine, kerosene, wines, spirits, and others—exhibit the variety of the as yet latent resources at our people's command—while the number, utility and character of the machines, and appliances of machinery for saving labor and other economical purposes, show that the the inventive genius of our people is active and triumphant. One important lesson these fairs have taught the people with incalculable advantage to the country, has been the intimate relationship between art and science.

There were good artificers in brass and iron before the principles of true science were conceived by man, but it was left till they were understood, to invent the steam engine, the electric telegraph and the sewing machine. The mighty pyramids of Egypt were erected without this knowledge, but the agencies that quarried the rock and piled up these works of labor without art or science, to be a wonder to all future generations, could not send men's messages of love or business around the world with greater speed than light itself through the air, the earth, or the waters beneath! There is a singularly beautiful illustration of this fact presented in the department of machinery. Here we find engines constructed with marvellous ingenuity, having for their motive power, steam, hydraulic pressure, running water, caloric and electricity, motors almost unknown in the last century. The very nature of the inventions introduced at this Fair, speaks volumes in favor of the mental superiority of our local mechanics. Here we find no contrivances to sharpen a pencil, clean a knife or rock a baby to sleep, such as so many of the eastern mechanics bother their brains in perfecting. But powerful and effective machines for crushing the hardest rocks to the finest powder, for pumping large volumes of water from vast depths, sawing the largest logs that grow in the world, or to save the impalpable particles of the precious metals. The very building that contains all these trophies of the victory of mind over matter, to be seen at the present Fair, is a work of mechanical art that will add luster to the history of the San Francisco Mechanics' Institute Fair of 1864. Its dome—the largest ever constructed in the world of boards and scantling, in beauty of proportion and science of its construction is not excelled by that of the famous St. Peter's at Rome. This beautifully proportioned structure is a worthy casket to contain the many gems of human thought, wrought into forms of power, utility and beauty more glorious than the diamonds, rubies, emeralds and pearls of the orient and occident combined.

Scientific Press.—A printing office has been established at the Mechanics' Fair, and Messrs. Dewey & Co., the enterprising publishers of the Mining and Scientific Press, are issuing from it a handsome double-sheet daily, which is a credit to themselves, its editors, and to the Fair.—*Morning Call,*

INDUSTRIAL EXHIBITION FOR 1864.

Industrial Fairs have become a great feature of the times, and have proven a most efficient means for advancing the industrial improvements of the age in which we live. By these we are best enabled to collect and disseminate information of a practical and tangible character. Without them much information that is valuable would long remain in a vague, uncertain state, which at best would be slow in exerting any important effect upon general industry. The benefits derivable from the frequent assembling of the manufacturers and producers of any community, with the evidences of their skill and industry with them, are manifold and beyond computation, and need no enumeration at the present time. In no portion of the globe are so many practical advantages to be derived therefrom as in our young, vigorous and rich, but isolated State. Experience has fully demonstrated that the only way to secure to California a steady, industrious, contented and permanent population, is to present fairly to all new comers, and to the world, the capacity of our State for sustaining, in comfort, a large population, independent of the glitter of gold, which most who come here foolishly imagine they will be able to pick up with scarce an effort. We must strive to dispel the idea, which is so apt to get control of the disappointed ones, soon after their arrival, that this is a dry, parched up land in summer, and a region of mud and flood in winter; that the inhabitants are chiefly made up of rude people, who have little or no regard for the refinements which they have left behind in their Eastern homes. How better can we do this than by gathering together, as we have now done, in in this great Industrial Pavilion, the tangible evidences of our producing capacity, embracing as they do something in almost every department of labor known to the civilized world.

Each age and country has new wants, which the progress of civilization creates, and which ingenuity promptly gratifies. Those of our day and section are more particularly confined to improved methods and machinery for reducing and separating the ores of the precious metals. A striking feature of the present exhibition is the number and variety of these improvements, which are now to be seen at the pavilion. Aside from the practical information which must be derived from this collective exhibition, we have here a most wonderful development of the inventive genius of our young and rising commonwealth—an exhibition of which every Californian may well be proud.

Let us point the new comer to these evidences of our industry, genius and resources. Where in the wide world at the present, or in all past time, can be found the community, of our age and strength, which can rival, or even reasonably approximate the display which the mechanics' of California are now making in this city? Let us take our new found and doubting friends by the arm, and walk with them through the aisles and avenues of our magnificent Temple of Industry, and ask them seriously if they can go away and pronounce California anything short of what has been claimed for her by her most sanguine friends. Take them through the Gallery of Arts, and ask them where on the continent, out of the three great metropolitan cities of the East, can they find a better display of artistical talent. Point them to the beautiful floral pyramid which adorns the interior arch of the great dome, and tell them that a display equal to that can be made in this city every month in the twelve! Go with them through our public libraries, and spacious, well ventilated reading rooms. Point them to our schools, public and private, and our well filled collegiate institutions. Have we no literary taste? Take them through our principal streets, point out to them our magnificent churches and other public edifices, and our splendid private residences, furnished with every luxury and comfort known to modern seekers after *otium cum dignitate*. Ask them to consider that they are walking the streets of a city but fourteen years old, and yet the fourth commercial city in the Union, and into which, on its eastern side, open the silver gates of an El Dorado, possessing riches and resources unequalled elsewhere on the globe, and out of whose "Golden Gate" pours a monthly stream of treasure which, in a decade, has nearly doubled the monetary wealth of the world. Show them all these things; prove to them that they are facts, which you can do, and then ask them where, in all the wide world, they will find an El Dorado, or an Elysium, that will compare with our own Golden State of the Pacific!

Fun should be cultivated as a fine art, for it is altogether a fine thing. Who ever knew a funny man to be a bad one? On the contrary, is he not, nine times out of ten, generous, humane, social, and good? To be sure he is. Fun—it is a great thing. It smooths the rough places of life, gives the world a round, jolly countenance, and makes the girls as pretty as June roses.

[Written for the Mining and Scientific Press.]

Letter from Reese River.

Editors of Mining Press:—Though the summer is passing away, we still live, and the star of hope that shone so brightly at the early dawn of our existence, still illumines our pathway. To those who are migrating hither and thither, the changes may appear more distinct and definite; but it is evidently true, that we, the inhabitants of "Silverland," are steadily advancing on the highway of progress. As I occasionally emerge from my cabin in the sage brush, to take a stroll through town, I behold a marked difference in business of all kinds, and I feel confidently assured, that the dull, murky atmosphere of financial depression that has for a time surrounded us, like the dense fogs that at times envelop your fair city, will pass away.

Far greater would have been the developments of Reese River at the present time, had the means been at hand to bring to light the hidden treasure that still lies buried in our hills. There are other reasons to which may be attributed the backwardness and dull times experienced here the present season, besides the lack of capital caused by the anticipated change of currency; some of which I will mention:

First, with regard to San Francisco incorporations. Many are the claims, to my certain knowledge, on which have been levied assessment after assessment, which have been liberally met by the shareholders who supposed that their interests were being duly cared for, and the work faithfully and energetically carried on, and that soon the mines would be in a paying condition, or of great value. But first, from the treasuries, secretaries must receive their allotted salaries, after which from time to time, small (and very small) advancements are forwarded to the superintendents here, who, in nine cases out of ten, find other ways for expending the money, than paying the laborer for his hire. Contracts are let on the claims, and glowing descriptions of the results given. But when the laborer finds himself unable to subsist on promises alone, the work stops. The claim which should have been down two hundred feet or more, with the amount of money raised, is perhaps down only thirty or forty, and nothing in reality of its real character known. The treasury is empty and notice of another assessment is given. Such, to a great extent has proved the bane of our prosperity.

Our mills also, have been too anxious to cancel their indebtedness, at the expense of our infantile exertions to arise. But thanks to our citizens for their untiring energy and perseverance, they have gone to work in earnest. Old wagons are becoming scarce among us, for every iron axle that can be procured, is converted into stamps, and at almost every house, that may be called the honest miner's home, a two, three, or four stamp mill may be found. In fact, physical power here, is getting the ascendency over steam, for in reality the hand mills are giving better satisfaction and larger returns, and at the same time making it a profitable business. The forty-two stamps that are driven by steam power here are not more (taking them all together) than what would constitute one good mill, yet what can be expected from so limited an investment. The fact is, we want more mills. The wants of our people demand them and our mines will warrant it. We want mills that will be generous and liberal; that will give to whom it is due, some little of the proceeds obtained from our rich rock.

To breathe one thought, or harbor a doubt as to the wealth or richness of our mines, is to distrust God; for he has created nothing in vain, and if this desert-waste were not rich in mineral, He alone can tell for what purpose it was created, for man lacketh the endowment to conceive. But we are not left to grope our way in the dark. Nature has sown profusely, that industry may reap plentifully. So long as we can find rock that will yield as high as two dollars per pound to the depth of twenty feet from the surface, we need not be disheartened. But that is not all; we have some lodes that are of the chloride nature—vastly rich, even to the depth of sixty and seventy feet, as if to toll us downward where we may expect to find it inexhaustible.

Sage Brush.

Austin, August 30th, 1864.

Curious Compounds.—An exhibitor of cordials and fancy drinks at the Mechanics' Fair, labeled some of his compounds—"Ladies' Tear Punch," "Anti-divorce Cordials," "The Souls Consolation Syrup," "Momus' Mixture" and other equally expressive titles. There is considerable pure spirit in his names whatever may be in his bottles.

EASTERN FINANCES.

By the splendid new steamer Sacramento, from Panama, we are in the receipt of Eastern advices to the 13th ultimo. The Money Market, in New York, at that date, was much easier at 7 and 8 ₱ cent. per annum, and the Stock Brokers were obtaining all the means they required at the former rate on call. The Stock Market was, however, exceedingly dull and prices for nearly all shares, except Government's, had declined. The volume of business doing at the Stock Exchange, was lighter than it had been for months past. In the general Merchandize and Produce Markets, speculation had subsided and trade was much restricted. The condition of the crops throughout the Northern States, was meeting with a good deal of discussion, and various opinions and theories were set forth as to the yield of the present harvest year. Late rains have materially improved the corn crop and the pastures, but came too late to save in many localities, oats and barley.

The yield of wheat, it is thought, will not average more than one half that of former years, but is of a better quality.

The product of rye, oats and barley will amount to about one half an average crop. Hay not quite an average in bulk, but of a better quality. Corn promises nearly an average yield if it ripens well.

A topic of interest in Wall street was the rapid advance in Government securities—some descriptions of gold bearing bonds had risen 5 ₱ cent. during the second week in August. Large orders from abroad and an easy money market were stimulating prices. The new 7-30 Currency loan of Mr. Fessenden was not meeting with the success anticipated and subscriptions were not averaging more than $750,000 per day. It is said, that thus far, the takers of this loan had been small capitalists and people who have a few hundred to loan the Government. The rich people of the country were holding back and did not give that hearty support the Treasury required.

COPPER INTERESTS OF DEL NORTE.

In the increasing attention which is being attached to our growing copper interest, we notice that the mines of Del Norte County are coming in for a share. Copper, unlike silver or gold, is usually found profusely distributed over mineral bearing countries, where they occur at all, and is perhaps the surest and most remunerative branch of mining which is carried on. When the discoveries of Copperopolis were first made public, persons not posted in copper mining were fearful that the deposits in that region were merely accidental and limited. Others whose experience was more extensive pushed boldly out into distant localities, following however, the general trend of the copper belt, until they have cross the northern line of the State and passed into Oregon. Everywhere, at intervals, throughout this belt, we find evidences of rich copper deposits, which time and money will ere long develop into rich and profitable mines. Passing northward, the copper belt appears to widen out, fan shaped, and where it reaches the Oregon line, we find it extending from the westernmost to the easternmost extremity of the State. But little has hitherto been said with regard to these extreme northern developments. Enough, however, is known to give unmistakable value to them. A large mass of copper ore may be seen at the Pavilion, taken from the Union mine, in Del Norte, which weighs 1,050 lbs., and which assays 34 per cent. in copper, besides containing two ozs. of silver and ¾ oz. of gold—making a total value of $116 for the block.

YOUNG MECHANICS would do well to establish two invariable rules:—First, do your work as your customer wishes to have it done. The other rule is to do it by the time you promise to have it done.

JOHN DANIEL,
(SUCCESSOR TO O. GORT)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
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☞ Goods shipped to all parts of the State. Orders respectfully solicited. 6v8-3m

PRATER'S
PATENT CONCENTRATOR.
THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use. It is now in operation at
WHEELER & THAYER'S REDUCTION WORKS, NORTH BEACH, SAN FRANCISCO,
To whom the Proprietors are permitted to refer, and where all interested in mining are respectfully invited to call and examine the best Concentrator in use.
This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to
HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 1v8-tf

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Quartz Mill and Reduction Works,
ARE PREPARED TO WORK GOLD AND SILVER ORES in large or small quantities.
Working assays made of small lots, and all kinds of ores crushed at short notice.
Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
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O. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. 1y2f

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SUPERIOR PLATED WARE, &c., &c.
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PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.
This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.
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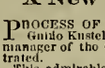
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REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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Attend to all kinds of Grinding & Crushing,
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Is now extensively used for breaking hard masses of
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It may be seen in operation at the Rail Road Foundry on Fremont street where
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Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.
M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

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Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

H. HOCHHOLZER,
Civil and Mining Engineer,
Office, Roo's New Building, B. Street, Virginia City.
PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOGRAPHICAL MAPS AND MINING ENGINEERING IN ALL ITS BRANCHES.
☞ References given where required. ☜ 26-3m

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For Sale in lots to suit Purchasers by
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Gold Quartz suitable for Cutting Jewelry.
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au31tf.

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THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from
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Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.
These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.
☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.
[Illustrated in the Mining and Scientific Press, April 9th, 1864.] HEPBURN & PETERSON.
nov8 3m*

WHEELER'S
Amalgamating & Separating Pans.
IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.
The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.
Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.
*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

To Quartz Miners.
ALL PERSONS INTERESTED IN MINING MACHINERY are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.
No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.
A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

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qy29-tf

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It runs Equally as well IN Back Water as OUT.

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Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

THE PACIFIC IRON WORKS,
First street, between Mission and Howard streets,
SAN FRANCISCO.

GODDARD & COMPANY,
— MANUFACTURERS OF —
Steam Engines and Boilers,
QUARTZ, FLOUR, SAW AND SUGAR MILLS,
AMALGAMATINO PANS AND BARRELS, MININO PUMPS AND HOISTING GEAR, WATER WHEELS,
And Machinery of Every Description.
Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

PIONEER FOUNDRY & MACHINE SHOP,
Lower Gold Hill,
Have Superior Facilities for Making
Mining and Milling Machinery.
A COMPLETE SET OF MACHINE TOOLS WITH
PLANER,
ENABLES ME TO DO ALL KINDS OF
MACHINE WORK AT SHORT NOTICE.
RETORTS AND INGOT MOULDS,
STAMP SHOES AND DIES,
WHEELER, VARNEY AND HEPBURN PAN SHOES CONSTANTLY ON HAND.
Plans, Specifications, and Drawings of all kinds of Mill and Mining Machinery made at short notice, by
15 OLIVER HYDE, JR.

THE ATLAS IRON WORKS,
No. 24 & 26 Fremont Street.
— MANUFACTURE —
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

D. B. HINCKLEY, WM. E. WORTH. WM. A. FIELD
Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

JOHN P. GALLAGHER..... .....JOSEPH D. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.

ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] i2tf

D. NORCROSS,
MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.
aug17-tf Masonic Temple, No. 6, Post Street.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. i2-tf

HENRY V. POSER,
Ornamental Plasterer.
No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.

OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Fresco, warranted to give satisfaction and so put upon the walls that it will not rub off.
☞ Terms Moderate. ☜ 2-1m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
— MANUFACTURERS AND IMPORTERS OF —
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.

THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
GEO. B. HITCHCOCK & CO.,
2-1m 413 and 415 Sansome St., cor. Commercial, S. F.

NATHANIEL GRAY,
General Furnishing Undertaker,
641 Sacramento St., corner of Webb, San Francisco. 1

SQUARZA'S PUNCH.
FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
No. 44 Leidsdorff street, opposite the What Cheer House,
j2-tf San Francisco.

GOVERNMENT HOUSE.
Northwest corner Washington and Sansome streets San Francisco.
Sixty-Four Rooms and Offices, in Suits or single
THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.
C. A. CRANE, Proprietor.
JOSEPH C. COLLINS, Superintendent. 3-3m

Owen's River Canal Company.
FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.
Office of the Company No. 328 Montgomery street. 1tf

LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.
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BOOKKEEPING.
YOUNG MEN CAN ACQUIRE A COMPLETE BUSINESS Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of PROF. LUTY, 305 Montgomery Street. The course of study prescribed for his students is more extensive and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable. 7-2m

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbet Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND BAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Speiter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZLES
For Mining purposes, Iron Steam Pipe furnished with Pittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

Canton Tea Store, Established 1858.
GEO. S. HASKELL & CO.
IMPORTERS,
WHOLESALE AND RETAIL DEALERS
— IN —
JAPAN AND CHINA TEAS,
AND
GROCERIES.
Store fronting on
514 Market & 15 Sutter St.
☞ THREE DOORS ☜
BELOW THE MARKET HOUSE,
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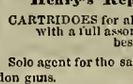
Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

RIFLES, GUNS AND PISTOLS.



WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.
Henry's Repeating and other Rifles.
CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.
Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**
513 Clay street, San Francisco.
122 J street, Sacramento. 3-6m

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.
Prices, from $50 to $1,000.
ROUND AND SQUARE WATER TANKS BUILT TO ORDER.
HUNT'S PUMPS
Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.
HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood,
ALSO, THE
Self-Regulating Horse Power
Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.
ALL WORK WARRANTED.
☞ For further Particulars see small circulars. ☜
E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

R. H. MCDONALD. J. C. SPENCER.
R. H. McDonald & Co.,
WHOLESALE DRUGGISTS,
SACRAMENTO.
R. H. McDonald & Co.,
Cor. of Sansome and Pine Sts.,
SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS,	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.
We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.
3-3m R. H. McDONALD & CO.

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

COMMENCES

ON THE FIRST OF JULY, 1864,

WITH

An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal xperience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continua to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,

An Economizer for Mining Advertisers,
A Reliable Reporter for Shareholders.
A Faithful Monitor for Stockdealers,

An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies, Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

FOR ADVERTISING

Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

OFFICE in Government House, Nos. 56 and 57, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

SCIENTIFIC PRESS.—A printing office has been established at the Mechanics' Fair, and Messrs. Dewey & Co., the enterprising publishers of the Mining and Scientific Press, are issuing from it a handsome double-sheet daily, which is a credit to themselves, its editors, and to the Fair.—*Morning Call.*

New This Week.

Aspinwall Gold and Silver Mining Company, Amador District, Lander County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt Certificates No. 71, 72, 73, 74, 75, 76 and 77, standing in the name of W. D. Mathenay.

11 JOSEPH HEALY, Secretary.

Astor Gold and Silver Mining Company, No. 436 Jackson St., City and County of San Francisco, State of California, Gold Hill Mining District, county of Story and Territory of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 10th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John V A Lansing	25 27 25 ea	75	$75
D E Hoff	28	25	25
J F Cornwall	43	25	25
J F C. rwall	85	20	20
E C Lovell	63	5	5
Mrs L T Lunt	70	7	7
L Joseph	73	10	10
S Lowenburg	78	10	10
R F Barton	80	10	10
R F Barton	103	25	25
Miss Carrie Smith	81	5	5
Augustus F Hay	82	4	4
H F Swan	87 88 10 ea	20	20
Harmon Rankin	92	10	10
Thos Drum	93	6	6
Thos Drum	97	5	5

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of August, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on Saturday the the 24th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD C. LOVELL, Secretary,
11 Office, No. 436 Jackson Street.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Location, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees

B. C. AUSTIN, Secretary.
Office, 324 Clay street, San Francisco. 11-4

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco, Cal.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Crown Point Ravine Gold and Silver Mining Company, there will be sold at Public Auction at the salesroom of Messrs. Jerome Rice & Co., 327 Montgomery Street, San Francisco on Saturday, September 24th, 1864, at 12 o'clock M., to the highest bidder for cash, in United States Gold coin, so many shares of the capital stock of said company, standing in the names of the following persons as will be necessary for the payment of assessment No. 8, of one dollar per share, duly levied thereon by the said Board of Trustees, on the 25th day of July, 1864, together with costs of advertising and expenses of sale, unless said assessments and charges are previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
E D Drown	280	25	$25 00
E H Bishop	233	10 12	85
M W Bailey	172 174 170	4 2-12 ea	12 50
Isaac Drewer	93	45	42 00
Mrs M E Carson	95	12 6-12	12 50
D W Cartor	425	5	5 00
A E Crano	65	5	5 00
D Gorson,	89	12 6-12	12 50
T R Diebl	36 to51	4 2 12 ea	62 41
A J Downer		8 3 12	8 25
Jennie M Downer,	1	1	1 00
Thomas Enger	281	25	25 00
Levi Hermance	145	1 8-12	1 67
D M Hyde	01	4 2 12	4 17
Wm M Harper	415	2 6-12	2 50
John Linus	107 108 199	4 2 12 ea	12 50
David C Leo	80	6	6 00
Isaac Livingrton	5	39	5 00
Isaac Livingston	2	40	2 00
D Lachman 75 76 77 78 79		10 ea	50 00
D Lachman	80	8	8 00
D Lachman 81 82 83 84		5	20 00
S H Marlette	30	8	8 00
S H Marlette	31	7	7 00
R H Newton, 7 8 9 10 55 94		5 ea	30 00
M O'Brien	34	2	2 00
T D Prince	282	50	50 00
Chas Parrott	19	6 3-12	6 25
T H Pinkerton	32 33	15 ea	30 00
Joseph Reed	6	3	4 00
M L Robinson	337	7 6-12	7 50
Joseph B Richardson	88	5	5 00
L Simon	382	10	10 00
Geo Stoddard	380	4 2-12	4 17
Geo Stoddard	390 391 392	4 ea	12 00
Mrs A T Swain	3	1	1 00
Isaac Swain	49	16	16 00
A S Stacy	71	6	6 00
Samuel Smith	91	9	9 00
Isaac Tabor	52	20	20 00
Isaac Tabor		43	43 00
P Q Vroom	24	10	10 00
J P Van Hagen	73	3	3 00
W W Van Vleet	92	5	5 00
J A Wright	00	10	16 00
Martin White		50	50 00

By order of the Board of Trustees.
11 J. M. BUFFINGTON, Secretory.

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of September, 1864, an assessment of thirty cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 10th day of October, 1864, will be advertised on the 15th as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary
Office, 204 Front Street. San Francisco, Cal., Sept. 8, 1864.
10-5t

Eveca Consolidated Copper Mining Company, Court Hill or Eveca District, near Black's Ferry, Del Norte County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment of 25 cents per share was levied upon the assessable capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 537 Washington street, City and County of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the 8th day of October, 1861, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 24th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. CHARLES E. ABBOT, Secretary.

Office, 537 Washington street. San Francisco, California, September 10, 1864. 11-4t

Eagle Quartz Mining Company, Location, Amador County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 22d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N Blackstone	2?	50	$100
J W Iwinello	123	55	110
C J Bauueth	28	10	20
S Hauford	73	10	20
S Hatford	74	10	20
R R Maurice	122	63	126
P Robinson	3	200	400
P Robinson	107	209	438
Eli Schell	50	20	40
Eli Schell	71	15	30
J L Thurber	41	5	10
R Williams	balance 7	50	50
Mrs S H Young	9	25	50

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery Street, on Monday, the 26th day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale

G. PARDOW, Secretary.
11 Office, 302 Washington Street, San Francisco.

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 30th day of May, 1861, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
M. E. Goldsmith	balance 43	150	$25 00
Page Cutting	44	150	75 00
Page Cutting	45	150	75 00
F. M. Hooper	51	50	25 00
F. M. Hooper	69	25	12 50
F. M. Hooper	70	50	25 00
F. M. Hooper	72	13	6 50
Isaac Ayer	67	15	7 50
Isaac Ayer	68	15	7 50
Isaac Ayer	76	50	25 00
Treasurers Fund		140	70 00

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 26th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

HUGO DRESCHFELD, Secretary,
Office, 14 Naglee's Building, S. W. Corner Merchant and Montgomery St., San Francisco. 11

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of ten cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.
Office, 607 Market street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 27th, 1864 and the sale thereof is postponed until September 12th, 1864. By order of the Board of Trustees.

8 GEO. W. GILDERSLEEVE, Secretary.

The advertisement of stock delinquent, on the above assessment, is postponed until September 3d, 1864, and the sale thereof is postponed until September 19th, 1864. By order of the Board of Trustees.

9-td GEO. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby further postponed until Saturday, September 17th, 1864, and the sale thereof until Monday, the 26th day of September 1864. By order of the Board of Trustees. G. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is hereby further postponed until Saturday, September 24th, 1864, and the sale thereof until Monday, October 3d, 1864. By order of the Board of Trustees. [11] O. W. GILDERSLEEVE, Secretary.

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

Heidelberg Gold, Silver & Copper Mining Company, Tomales Pals District, Marin County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment of five cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at his office, No. 522 Montgomery street.

Any stock upon which said assessment shall remain unpaid on Saturday the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 24th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

B. ROTHSCHILD, Secretary.
Office, 522 Montgomery street, up stairs. 11-4t

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 10th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R R Maurice	179	8	$40
R R Maurice	180	9	45
R R Maurice	181	10	50
R R Maurice	182	9	45
R R Maurice	183	10	50
R R Maurice	184	10	50
R R Maurice	185	10	50
R R Maurice	180	45	255
Jared F Poole	balance 139	2	10
M Meyerfield	70	2	10
A Pinvillier	133	1	5
A Teisseire	161	10	50
E S Goold	169	10	50
E S Goold	170	10	50
G Pardow	171	6	30
G Pardow	173	10	50

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton and Son, No. 400 Montgomery street, San Francisco, on the 26th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

JOSIAH H. APPLEGATE, Secretary.
11 Office, 702 Washington Street, San Francisco.

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment (8) of 50 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 26th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.
Office, corner Sansome and Broadway streets, San Francisco. 11-4t

"Refugio," U. S. Grant, Lucrecia Borgia, and La Mejicana Copper, Gold and Silver Mining Companies. Location—Clayton Mining District, Contra Costa County, California

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 5th day of September, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said companies, payable on the 8th day of September, 1864, in United States gold and silver coin, to the Secretary, at the offices of the Companies, No. 708 Montgomery street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 12th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 31st day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.
Office, No, 708 Montgomery street, San Francisco. [11-4t

St. Paul Gold and Silver Mining Company, Amador District, Lander County N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of September, 1864, an assessment of fifty cents per shnre was levied upon the capital stock of said Company, payable immediately in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.
Office, No. 710 Sansome street. 11-4

Mining Notices.

Advertised in Previous Issues.

Caldwell Gold and Silver Mining Company, Cove District, Kern River, Tulare County, California.

Kern River Gold and Silver Mining Company, Cove District, Tulare County, California.

The office and principal place of business of the above named Companies, will be removed from the City of San Francisco to Cove District, Tulare County, California, after the necessary legal steps are perfected.

M. G. ELMORE, Secretary.
Office, 621 Clay street.
San Francisco, August 12, 1864. 7-5t

Citizens' Coal Mining Company, Mount Diablo District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of August 1864, an assessment, (No. 9,) of Five Dollars per each an every assessable share upon the capital stock of said Company was levied, payable immediately in United States gold coin, at the office, corner Post and Dupont streets, in San Francisco, to the Secretary of the company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent without further notice, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. [9-4t] E. J. PFEIFFER, Secretary.

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of August, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 29th day of August, 1864, in United States Coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday the 1st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 1st day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Brazer	27 41 42–ea 5		
	40 43 44 90–ea 10		
	45–25 shs		
	51–50 shs	110	$110 00
J C Beideman	100	30	30 00
Peter Brown	309	17	17 00
T H Downing	119	30	30 00
J L Farnsworth	220	13	13 00
N E Grimes	194	10	10 00
A N Humparcys	190	53	53 00
E R Hawley	269 270–ea 25	50	50 00
Thomas Hill	283	5	5 00
Hopps & McAbee	284	40	40 00
A H Jordan	286 287–ea 25	50	50 00
W H Knapp	70 71 98–ea 10		
	73 76–ea 15		
	74-20 shs		
	77–25 shs	105	105 00
H Kilham	235 236–ea 10		
	237 238 239 240 241 242–ea 5	50	50 00
W E Mayhew	111	20	20 00
C F Nottie	245	20	20 00
J W Sprague	78 79–ea 60	120	120 00
D W Smith	325	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 17th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay Street, San Francisco. 10

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary at the office of the company, or to PETER BROWN, Silver City, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 3th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay street, San Francisco. 9-4t

ent Western Gold and Silver Mining Company, Koyes District, Mono County, California.

Notice is hereby given that at a meeting of the Board of Trustees said Company, held on the 19th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

BROCK JOHNSON, Secretary.

Office, No. 28 Government House, San Francisco. 9-4t

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 20th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
E G Marshall	112	29	$7 25
T K Wilson	38	10	2 50
T K Wilson	39	10	2 50
T K Wilson	42	3½	88
A C Adams	82	31	7 75
W Crooker	118	42¾	10 63
R W Bell	72	20	5
R W Bell	73	23¾	5 94
John Todd	44	5	1 25
John Todd	47	5	1 25
John Todd	50	15	3 75
W W Severence	17	87½	21 87
B Kincaid	67	10	2 50
N Anderson	53	7	1 75
M Raphael	71	43¾	10 94
H J Tilden	74	12	3 00
H J Tilden	84	22	5 50
A F Adams	83	31¼	7 88
M Weil	00	10	2 50
C A Fitch	99	10	2 50
Wm H Hull	101	5	1 25
Geo Mead	102	5	1 25
W J Boyce	103	10	2 50
M Boyce	104	5	1 25
L W Goodwin	105	5	1 25
D R Severence	115	15	3 75
A K Currior	116	15	3 75
A J Colby	117	15	3 75
H Denison	143	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 20th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Cobb & Sinton, No. 406 Montgomery street, San Francisco, California, on the 10th day of September, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

PRESTON MORRIS, Secretary.

Office, No. 620 Montgomery street, San Francisco. 9

Good Return Consolidated Gold and Silver Mining Company, Inyo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 14th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Bateman, W A	21	10	$10
Bateman, W A	29	10	10
Bateman, W A	30	5	5
Beckford, D R	210	5	5
Bloomer, Teresa	01	10	10
Bresson, Melanie	242	20	20
Campbell, E R	214	5	5
Coles, E W S	181	10	10
Coles, E W S	253	40	40
Crane, A E	255	25	25
Champion, Cons'd M'g Co	254	100	100
Danes, J B	107	20	20
De Long, F C	74	2	2
Doane, J O	260	10	10
Douglass, W F J	198	10	10
Emery, J G	123	5	5
French, M B	160	25	25
Gifford, Emily	86	1	1
Goff, T A	121	10	10
Goff, T A	122	15	15
Hall, Adaline E	105	10	10
Hammet, Eliza M	219	50	50
Hammet, Eliza M	220	50	50
Heath, James	19	1	1
Heath, James	20	1	1
Heath, James	47	1	1
Henderson, John	202	25	25
Kipp, A K	234	20	20
Kipp, A K	250	20	20
Locke, S	165	100	100
Looney, Edward	126	3	3
Lambert, R H	not issued	130	130
Paine, H J	102	330	bal 30
Peck, Lewis	3	80	80
Peck, Lewis	6	30	30
Peck, Lewis	11 12–ea 10	20	20
Peck, Lewis	13 15–ea 5	10	10
McKay, W J	113	2	2
Mc Kenzie, Wm	172	10	10
McKenzie, Wm	194	10	10
McKenzie, Wm	195	20	20
McKenzie, Wm	208	10	10
McKenzie, Wm	211	10	10
McKenzie, Wm	244	10	10
Miller, John	109	5	5
Miller, W P	136	2	2
Mitchell, J C	75	10	10
Murray, Isaac	149	50	50
Murray, Isaac	169	69	59
Murray, Isaac	170	50	50
Rand, E M	115	2	2
Scott, Harshaw	100	10	10
Scott, Harshaw	178	5	5
Scott, Harshaw	205	50	50
Spence, Catherine	167	3	3
Spence, William	168	38	38
Stevens, G F	199	5	5
Surryhne, Wm	37 38–ea 5	10	10
Surryhne, Wm	39 41 42 43		
	188 190 191–ea 10	70	70
Surryhne, Wm	44 45–ea 20	40	40
Sweetser, W H	162	20	20
Sweetser, W H	163	20	20
Sweetser, W H	164	20	20
Sweetser, W H	160	12	12
Sweetser, W H	180	20	20
Taylor, E L	68	10	10
Taylor, E L	69	5	5
Taylor, D W	61	50	50
Taylor, D W	62	100	100
Tammeyer, Julius	78	3	3
Tammeyer, Emma G	70	1	1
West, W A	73	3	3
Whitney, Mrs F	139	0	6
Wright, J N	201	50	50

And in accordance with law and an order of the Board of Trustees, made on the 14th day of June, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co. 327 Montgomery street, San Francisco, on the 10th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

N. G. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco, Cal. 9

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of ten cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.

Office, 507 Market street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 27th, 1864 and the sale thereof is postponed until September 12th, 1864. By order of the Board of Trustees.

6 GEO. W. GILDERSLEEVE, Secretary.

The advertisement of stock delinquent, on the above assessment, is postponed until September 3d, 1864, and the sale thereof is postponed until September 19th, 1864. By order of the Board of Trustees.

9-td GEO. W. GILDERSLEEVE, Secretary.

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of August, 1864, an Assessment of two dollars per share was levied upon the Capital Stock of said Company, payable on the 31st day of August, 1864, in United States gold coin to the Secretary at the office of the Company No. 523 Clay street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 17th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. B. W. MUDGE, Secretary

Office, No. 523 Clay street, San Francisco, California, California. 10-4t

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

Keokuk Gold, Silver and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 18th day of July, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Jas Foster	440	20	$3 00
Mrs A B Harrison	304	100	15 00
Miss Louise Wise	293	10	1 50
J G Tilton	273	10	1 50
M G Kennedy	326	5	75
M G Kennedy	328	5	75
M G Kennedy	400	20	3 00
M G Kennedy	329	5	75
Joel Clayton	79	25	3 75
Joel Clayton	80	25	3 75
Joel Clayton	81	25	3 75
Joel Clayton	82	25	3 75
Joel Clayton	83	25	3 75
Joel Clayton	84	25	3 75
Joel Clayton	85	25	3 75
L E Morgan	not issued	462	09 30
L E Morgan	401	20	3 00
P Clarey	442	50	7 50
M Farney	467	20	3 00
M Farney	491	50	7 50
A W Stratton	489	25	3 75
T J Thibault	477	5	75
E T Carrique	60	20	3 00
E T Carrique	67	20	3 00
E T Carrique	68	20	3 00
Chas Perry	76	25	3 75
Jas M Bunker	92	25	3 75
Paul Bunker	385	20	3 00
G W Smith	287	25	3 75
G M Smith	286	25	3 75
J A McClelland		10	1 50
Geo T Russell	134	30	4 50
D L McPherson	390	30	4 50
W F Hughes	171	50	7 50
J D Groff	415	15	2 25
A F Hinchman	213	50	7 50
A F Hinchman	235	50	7 50
A F Hinchman	230	50	7 50
G M Dexter	240	25	3 75
J H Wilder	445	25	3 75
Sam Howard	427	15	2 25
E A Sindermon	400	25	3 75
Geo Wall	32	25	3 75
Geo Wall	33	15	2 25
Geo Wall	34	10	1 50
S Barrow	36	25	3 75
G W Morgan	343	5	75
G W Morgan	346	20	3 00
F L Sueh	360	50	7 50
J H Smith	351	5	75
J G Williams	435	10	1 50
Benj Jones	190	100	15 00
Benj Jones	200	50	7 50
Benj Jones	304	25	3 75
B M Hartshorn		200	30 00
John Frieker	375	45	6 75
John Fricker		10	1 50
Hinckley & Co	382	40	6 00
J N Peterson	385	20	8 00

And in accordance with law, and an order of the Board of Trustees, made on the 18th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at Jerome Rice & Co's., on the 10th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. B. WINEGAR, Secretary.

9-td Office, No. 322 Front St., San Francisco.

Kate Lamar Gold and Silver Mining Company, Reese River District, Lander County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount.
John Ridgeway	2	10	$5 00
John Ridgeway	5	10	5 00
John Ridgeway	6	5	2 50
John Ridgeway	9	5	2 50
William Terry	17	20	10 00
William Terry	18	20	10 00
William Terry	30	5	2 50
Thomas L Frew	64	5	2 50
Thomas L Frew	65	5	2 50
Thomas L Frew	60	5	2 50
Thomas L Frew	67	6¾	3 44
A Hartman, Jr	44	5	2 50
A Hartman, Jr	45	5	2 50
A Hartmau, Jr	47	5	2 50
A Hartman, Jr	48	10	5 00
A Hartman, Jr	49	10	5 00
A Hartman, Jr	50	10	5 00
A Hartman, Jr	51	10	5 00
A Hartman, Jr	62	1¾	94

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Edward S. Spear, No. 433 California street, in the city of San Francisco, on the 16th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. G. APPLETON, Secretary.

Office, 25 Montgomery Block, San Francisco. 9-2t

Kelsey Gold and Silver Mining Company, Kelsey District, El Dorado County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 27th day of July, 1864, the several amounts set opposite the Names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
W H Silverthorne	290	30	$3 00
W H Silverthorne	291	6	60
Mrs L A Raetsh	26, 27, 29, 30	40	4 00
Alfred Thurber	43	20	2 00
Wade & Potter	69 70–ea 100		
	76 77–ea 10 220		bal 12 00
F Wolfo	136	25	2 50
F Wolfo	130	25	2 50
F Wolfe	140	25	2 50
F Wolfe	141	25	2 50
F Wolfe	407	65	6 50
G Leger	155	10	1 00
G Leger	156	10	1 00
G Leger	157	10	1 00
W H Vandewater	161	10	1 00
Henry Mess	162	10	1 00
Richard Colbourn	163	5	50
W A Frey	163	10	1 00
W A Frey	160	5	50
W A Frey	318	10	1 00
T T Bradshaw	167	10	1 00
C S Lippman	220	50	5 00
C S Lippman	221	50	5 00
C S Lippman	222	50	5 00
C S Lippman	223	50	5 00
C S Lippman	225	25	2 50
C S Lippman	220	25	2 50
C S Lippman	227	25	2 50
C S Lippman	403	15	1 50
C S Lippman	422	5	50
J D Enos	228, 229	10	1 00
John L Yeates Jr	233	20	2 00
John L Yeates Jr	234	20	2 00
John L Yeates Jr	235	20	2 00
John L Yeates Jr	7	20	2 00
John L Yeates Jr		20	2 00
John L Yeates Jr		20	2 00
John L Yeates Jr		20	2 00
John L Yeates Jr	239	20	2 00
John L Yeates Jr	240	20	2 00
John L Yeates Jr	241, 242, 243–ea 10		
	244, 245, 246, 247, 249, 250	90	9 00
John L Yeates Jr	438	50	5 00
John L Yeates Jr	439	50	6 00
E W Lewis	253	5	50
E W Lewis	254	5	50
E W Lewis	345	10	1 00
Maria R Shannon	211	5	50
Isabel E Figel	214	5	50
Joseph Lippman	312	10	1 00
C P Williams	not issued	1	10
Alice Moon	326	5	50
Maria L Terme	341	10	1 00
George Barrett	342	5	50
C Hess	349	10	1 00
E E Jones	356	25	2 50
Ira W Dearborn	371 to 375 inc	25	2 50
James Taylor	400	10	1 00
Susan Sweetser	400	10	1 00
Gladwin Bros	427	10	1 00
J D Bailey	428	20	2 00
C F Hayward	435	5	50
R H Clement	437	30	3 00
Daniel Croonin	460, 461, 462 ea 10	30	3 00
W J Meredith	467	50	5 00
W A Morland	463	25	2 50
L M Andrews	472	5	50
George E Davis*	425	5	50
George E Davis	320	5	50
George E Davis	333	10	1 00
George E Davis	368	5	50
George E Davis	369	5	50
George E Davis	380	5	50
George E Davis	381	5	50
George E Davis	418	10	1 00
Mary A Gavard	458	10	1 00
William Plympton	433	13	1 30

*Assigned but not transferred.

And in accordance with law, and an order of the Board of Trustees, made on the 27th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at Public Auction, at the Auction Room of Messrs. Cobb & Sinton, No. 406 Montgomery St., on the 10th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

S. C. GARDNER, Secretary.

Office, 605 Sacramento street, First door West of Montgomery street, up stairs. 9-2t

La Travlata Gold and Silver Mining Company, Calaveras County, California.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 12th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L Reupsch	13 14 17		$8 50
C D Taylor	27	35	17 50
M Greenthal	73	9	4 50
A Stolz	35	17	8 50
S Cohen	42 03	48	24 00
J Rebensburgor	82 51	52	70
C J Stevens	50 57	10	5 00
M Weil	96	57	42 75
E Newmann	58 70	122	61 00
S Laugstatter	71	18	9 00
L Blumenthal	79	5	2 50
Abrahams & Bro	78	4	2 00
J A Obergh	87	10	5 00
Geo Haze	92	70	35 00
R Cisar	95	13	9 75
Mrs White	105	5	2 50
J Mibielle	93	30	15 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on the 21st day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

AUG. KUNAST, Secretary.

Office, 540 Washington street, San Francisco. 8-1

Libertad Gold and Silver Mining Company, District of Ures, Sonora, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 18th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Brown, Smith	169	50	$250
Brown, Smith	189	50	250
Cummins, Wm	151	100	500
Cummins, Wm	152	39	195
Cummins, Wm	153	10	50
Cummius, Wm	154	5	25
Cummins, Wm	159	5	25
Cumming, Wm	160	5	25
Elliot, Chas	74	5	25
Frost, F F	110	5	25
For, John	155	20	100
Freanor, John A	190	50	250
Harding, John	45	20	100
Harding, John	40	5	25
Hutchinson, S	191	10	50
Hutchinson, S	192	10	50
Hutchinson, S	193	10	50
Hutchinson, S	104	10	50
Hutchinson, S	195	10	50
James, Wallace T	95	10	50
James, John	150	20	100
James, John	175	10	50
James John	176	10	50
Kimball, E A	131	20	100
Leonard, M A	108	5	25
Lewis, Geo W	170	6	30
Morse, H J	87	5	25
Pochlmann, Wm	96	5	25
Parvin, O R	178	6	30
Simmons, S D	52	5	25
Simpson, Wm H	161	100	500
Simpson, Wm H	162	25	125
Simpson, Wm H	103	25	125
Simpson, Wm H	164	25	125

And in accordance with law and an order of the Board of Trustees, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Messrs. Cobb & Sinton, No. 406 Montgomery street, San Francisco, Cal., on Thursday the 8th day of September, 1864, at the hour of 10 o'clock A. M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale, unless said assessments, with accruing charges, are previously paid.

LAWRENCE C. OWEN, Secretary.

Office, No. 6 Masonic Temple, N. W. corner Montgomery and Post streets. 9-4t

POSTPONED.—The above sale is still further postponed until Saturday morning, the 10th inst., at 10 o'clock. By order of the Board of Trustees.

11 LAWRENCE C. OWEN, Secretary.

Logan Gold and Silver Mining Company, El Dorado Canon, Arizona Territory

The Annual Meeting of the Logan Gold and Silver Mining Company will be held at the company's office, No. 523 Clay street, San Francisco, California, on Monday, September 26, 1864, at 2 o'clock P. M., for the election of Trustees, and the transaction of such other business as may properly come before it. (10-4t) B. W. MUDGE, Secretary.

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 23d day of August, 1864, an assessment of two dollars and fifty cents per share was levied upon the assessable stock of said company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California 9-4t

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 24th day of August, 1864, an assessment of five (5) cents per share was levied upon the capital stock of said Company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 322 Front street, or to J. W. Cassiday, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. R. WINEGAR, Secretary.

Office, 322 Front street, San Francisco. 9-4t

New Era Copper Mining Company, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 26th day of September, 1864, in United States Gold Coin, to the Secretary, at his office, on the southwest corner of Washington and Stockton streets, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 10th day of October, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 9-4t

Ostpee Gold and Silver Mining Company, El Dorado County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atwood, E T	86	50	$2 50
Atwood, E T	92	5	25
Atwood, E T	93	5	25
Atwood, E T	95	5	25
Atwood, E T	200	25	1 25
Butler, B F, Sen	47	100	5 00
Butler, B F, Sen	128	100	5 00
Butler, B F, Sen	129	100	5 00
Butler, B F, Sen	130	70	3 50
Cain, R K	112	50	2 50
Cain, R K	113	25	1 25
Cain, R K	114	25	1 25
Cain, R K	115	20	1 00
Cain, R K	110	20	1 00
Colby, A	142	10	50
Colby, A	143	10	50
Cheny, F M	158	25	1 25
Cheny, M E	159	25	1 25
Cheny, I L	100	25	1 25
Cheny, D B, Jr	161	25	1 25
Dyer, R C	39	1	05
Dingau, Ann M	100	5	25
Glenson, W B	179	50	2 50
Hutchinson, E F	140	10	50
Hi Ah	141	10	50
Harnett, E	144	100	5 00
Harnett, E	145	50	2 50
Hyland, H J	165	22	1 10
Hyatt, Caleb	107	10	50
Hyatt, Caleb	184	100	5 00
Hyatt, Caleb	185	100	5 00
Johnson, Thos J	183	25	1 25
Jones, T E	187	25	1 25
Ladd, C J	194	30	1 50
Larrimore, R	192	50	2 50
Moody, E	109	150	7 50
Niebour, T	183	24	1 20
Pritchard, T	186	25	1 25
Regester, David	125	10	50
Sturdivant, R D	10	100	5 00
Sturdvaut, R O	17	100	5 00
Sturdivant, R O	170	00	4 50
Silsby, W H	150	25	1 25
Silsby, W H	151	5	25
Scribner, W R	157	25	1 25
Tilton, S S	69	50	2 50
Tilton, S S	71	25	1 25
Tilton, S S	72	25	1 25
Tilton, S S	74	20	1 00
Tilton, S S	70	10	50
Tilton, S S	77	10	50
Tilton, S S	78	5	25
Tilton, S S	79	5	25
Tilton, C H	174	40	2 00
Tilton, C H	175	10	50
Von Rhein, O F	164	23	1 15

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 13th day of September, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco. 0

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Buzzoleni, D	51	5	$25
Buzzoleni, D	52	5	25
Cole, Delos	1	10	50
Cole, Delos	2	10	50
Cole, Delos	4	10	50
Cole, Delos	5	10	50
Cole, Delos	6	10	50
Cole, Delos	7	20	100
Cole, Delos	9	20	100
Cole, Delos	10	20	100
Cole, Delos	11	20	100
Cole, Delos	12	20	100
Cone, W R	199	20	100
Moore, J A	97	10	50
Marston, P F	18	10	50
Marston, P F	09	20	100
McGown, Leo	84	10	50
McGown, Leo	85	10	50
McGown, Leo	86	10	50
Noyes, J W	33	25	125
Noyes, J W	34	25	125
Noyes, J W	35	25	125
Noyes, J W	36	25	125
Noyes, J W	40	20	100
Page, R C	44	13 1-3	66 66
Page, R C	45	13 1-3	66 67
Page, R C	46	13 1-3	66 67
Smith, E F	91	12 1-2	62 50
Smith, E F	92	12 1-2	62 50
Stanchfield, L G	55	10	50
Stanchfield, L G	56	10	50
Stanchfield, L G	57	5	25
Stevens, T H	87	5	25
Watkins, B F	18	10	50
Watkins, B F	23	20	100
Watkins, B F	24	20	100
Watkins, B F	25	20	100
		635	$2675

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 10th day of September, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. J. TREADWELL, Sec'y.

9-2t Office, 532 Merchant Street.

Postponement.—The above sale is postponed until Saturday, September 17th, 1864, at the same hour and place. By order of the Board of Trustees.

J. J. TREADWELL, Secretary.

San Francisco, Sept. 10, 1864.

Penn Silver Mining Company, Location of Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kauil	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	20 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parruluton	11	10 2 3	50
A R Wheat	14	10 2-3	50
G W Botts	142	8 1-3	25
R C Jacobs	32, 137	39 1-3	119
J J Corrigan	153	31	03
J F Durland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas F Brownell	118, 139, 140	15 2-3	47
Miss M A Phillips	54, 55, 60, 66		
	67, 63	33 1-3	100
J C Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
David Ross	80	0 2-3	29
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	88, 94	5 1 2	10
Gilbert Pallacho	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	00
John Todd	105, 144	8 2-3	25
E C Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peck	128	4 1 6	12 50
Wm Crocker	87	8 1-3	25
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathewa	117	1	3
John Todd	158	2	6
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	0
H K Curtiss	171	2	0
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Postponement.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

Rose Linda Mining and Manufacturing Company, Mokelumne Mining District, Alpine co., California.

Notice is hereby given, that at a meeting of the Board of Trustees of the above company, held on the 30th day of August, 1864, an assessment of sixty (60) cents per share was levied upon the capital stock of said Company, payable immediately, in United States Coin, to the Secretary at the office of the company, No. 522 Clay street, Room No. 3.

Any stock upon which said assessment shall remain unpaid on the 26th day of September 1864, will be advertised on that day as delinquent, and unless pnyment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. HENRY HALE, Secretary.

San Francisco, August, 30, 1864. 10

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 29th day of August, 1864, in United States coin, to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, California.

Notice is hereby given that the annual meeting of the stockholders of the above named company, for the purpose of electing Trustees to serve for the ensuing year, will be held at the company's office, No. 212 California street, San Francisco, on Monday, September 12th, 1864, at 7½ o'clock P. M. By order of the President.

W. A. RUST, Secretary.

San Francisco, August, 24, 1864. 9-4t

Santa Cruz Petroleum Oil Works Company—Located in Santa Cruz County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of August, 1864, an assessment (No. 8) of twelve and a half (12½) cents per share was levied upon the capital stock of said company payable immediately, to the Secretary at his office, No. 338 Montgomery street, San Francisco, in United States gold coin.

Any stock upon which said assessment shall remain unpaid on the 26th day of September, 1864, will be advertised as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

J. A. RAWSON, Secretary.

Office, No. 338 Montgomery street, August 24, 1864. [9-4t

Santa Maria Silver Mining Company, Belle Silver Mining Company, Imperatrice Silver Mining Company, Maryland Silver Mining Company. Location, Santa Fe District, Lander county, N. T.

Notice.—There is delinquent upon the following described stock, on account of Assessments levied on the 23d, 24th and 25th days of February, 1861, the several amounts set opposite the names of the respective shareholders, as follows:

SANTA MARIA S. M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
H B Underhill,	Cert No. 1, 2, 3 25 shares each	75	$37 50
C R Choate,	Cert. 4, 5 25 shares each	50	25 00
J H Huston,	Cert 6, 7, 9, 10 No Shares 20, 20, 20, 20 cert 13, 14, 15, 17, 20, 23, 24 shs 10, 10, 10, 10, 10, 5, 5	140	70 00
John D Moore,	Cert from 31 to 35 inc 20 shares each	100	50 00
John D Moore,	Cert from 36 to 45 inc 10 shares each	100	50 00
John D Moore,	Cert from 46 to 55 inc 5 shares each	50	25 00
O B Westcott,	Cer 50, 10 shs & 67, 5 shs	15	7 50
R Porterfield,	Cer 65	10	5 00
M I Ryan,	Cert 79, 84, 85 10 shares each	30	15 00

BELLE SILVER M. CO. (Asst. levied Feb. 23, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 6 No. Shares 20, 20, 20, 20, 10 cert 7, 8, 9, 13, 22, 25 shs 10, 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 37 inc & 39, 40, 10 shares each	90	45 00
John D Moore,	Cert from 41 to 45 inc 5 shares each	50	25 00
H B Underhill,	Cert No. 55	12	6 00
Geo R Choate,	Cert No. 56	13	6 50
O B Westcott,	Cert No. 58, 10 shs & No. 59, 5 shares	15	7 50
M I Ryan,	Cert 80, 83, 84, 85 No. Shares 50, 25, 25, 25	125	62 50

IMPERATRICE S. M. CO. (Asst levied Feb. 24, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 4, 5 No. Shares 20, 20, 20, 20, 20 cert 7, 9, 15, 17, 18 shs 10, 10, 10, 5, 5	140	$70 00
John D Moore,	Cert from 26 to 30 inc 20 shares each	100	50 00
John D Moore,	Cert from 31 to 40 inc 10 shares each	100	50 00
John D Moore,	Cert from 41 to 50 inc 5 shares each	50	25 00
H B Underhill,	Cert 51	13	6 50
Geo R Choate,	Cert 52	12	6 00
Robert Steer,	Cert 62	10	5 00
M I Ryan,	Cert 89	25	12 50

MARYLAND S. M. CO. (Asst. levied Feb. 25, 1864.)

Names.	No. Certificates.	No. Shares.	Amt. Due.
J H Huston,	Cert 1, 2, 3, 8, 9, No. Shares 20, 20, 20, 20, 10 cert 13, 14, 19. 21, 22, 23, 24, 28 shs 10, 10, 5, 5, 5, 5, 5, 5	140	$70 00
John D Moore,	Cert from 29 to 33 20 shares each	100	50 00
John D Moore,	Cert from 34 to 43 10 shares each	100	50 00
John D Moore,	Cert from 44 to 53 5 shares each	50	25 00
O B Westcott,	No. 59, 10 shares & 60 5 shares	15	7 50
M I Ryan,	No. 87	50	25 00
H P Handy,	Cer 70, 71, 73, 74, 75 No Shares 25, 25, 25, 15, 15 cert 76, 77, 73, 79 shs 5, 5, 5, 5	125	62 50

And in accordance with law and an order of the Board of Trustees made on the aforesaid dates, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Companies, 305 Montgomery street, San Francisco, on Thursday, the 15th day of Sept. 1864, at 11 o'clock, A. M. of said day, to pay said delinquent assessments thereon, together with the cost of advertising and expenses of sale.

San Francisco, Aug. 8th, 1864. J. S. LUTY, Sec'y.

7-4t Office, 305 Montgomery Street.

Salamander Gold and Silver Mining Company, Mill Valley District, Calaveras County, State of California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of ten cents per share was levied upon the assessable capital stock of said Company, one-half payable on the 16th day of August, 1864, in United States coin, to the Secretary of said company, and the balance payable in thirty days from said 16th day of August.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 4th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

F. D. OALLAGHER, Secretary,

Office, No. 35 Metropolitan Block. 8-4t

Lost!

Certificate No. 191, of 150 shares, of the Table Mountain Copper Mining Company's Stock, standing in the name of N. B. Edmiston. All persons are cautioned against negotiating for the same, as transfer has been stopped.

M. O. ELMORE, Secretary,

San Francisco, August 25, 1864. [9] T. M. Cop. M. Co.

San Francisco Moss Ledge Company, San Francisco District, A. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said Company, payable on the 16th day of August, 1864, in United States Coin, to the Secretary, at his office, No. 618 Merchant street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of September, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

ROBT. T. POLK, Secretary

Office, No. 618 Merchant street.

Silver Mountain Mining District, California.

Annual Meetings.

Mammoth Gold and Silver Mining Co.,			September	9, 1864.
Napa	do	do	do	12, 1864.
Sierra Nevada	do	do	do	12, 1864.
Baltimore	do	do	do	16, 1864.
Wisconsin	do	do	do	17, 1864.
Eldorado	do	do	do	16, 1864.
George Washington No. 2		do	November	17, 1864.
Silver Creek Gold and Silver Mining Co.,			September	17, 1864.
Tip Top	do	do	do	17, 1864.
George Washington		do	do	17, 1864.
Illinois	do	do	do	19, 1864.
Silver Prize	do	do	do	20, 1864.
Silver Prize No. 2		do	October	7, 1864.

The above Mining Companies will hold their Annual Meetings, on the days above named, at No. 430 Montgomery street, San Francisco, for the purpose of electing Trustees for the ensuing year.

8-2t J. WARREN CLARK, Secretary.

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

There are delinquent upon the following described stock, on account of assessment levied on the 3d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
H C Kirk	0	50	$25 00
J H Clute	23	50	25 00
J S McReynolds	34	50	25 00
J S McReynolds	35	15	7 50
J S McReynolds	36	10	5 00
H Holland	38	25	12 50
H Holland	30	25	12 50
H Holland	40	12½	0 25
L A Booth	37	25	12 50
J G Alens	42	75	37 50
J G Alens	43	50	25 00
J C Alens	44	50	25 00
J G Alens	45	25	12 50
J G Alens	40	55	12 50
West Evans	56	12½	6 25
R Collar	3	10	5 00
John Bollinger	61	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 3d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction by Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 17th day of September, 1864, at 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

WM. A. RUST, Secretary.

Office, 212 California street, San Francisco. 10

Scottie Gold and Silver Mining Company, La Paz Mining District, Arizona Territory.

The Annual Meeting of the stockholders of this company will be held at the Company's office, No. 523 Clay street, San Francisco, on Tuesday, September 27th, 1864, for the election of Trustees, and the transaction of such other business as may properly come before it.

10-4t B. W. MUDGE, Secretary.

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessment No. 7, levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Boylan, Joseph	26 to 30 inc-ea 20 shs	100	100 00
Chevallier, V	113	5	5 00
Collins, E S	232	10	10 00
Dow, J G	254	5	5 00
Dulip, J P	13	10	10 00
Dail, J H	70 80-ea 50	100	100 00
Gay, A C	256	53	53 00
Hughes, Chas'	134	5	5 00
Marina, E J de Sta	214 to 217 inc-ea 10	40	40 00
Marina, E J de Sta	218 219-ea 5	10	10 00
Matthieu, A	133	10	10 00
Marguerioro G	159	10	10 00
Martinon, L M de	166	20	20 00
Smiley, James	96	50	50 00
Thomet, N	268	10	10 00
Whitney, Geo O	204	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, on the 27th day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 7

Postponement.—The above sale is postponed until Wednesday, September 7th, 1864, at the same hour and place. By order of the Board of Trustees.

9 WM. H. MARTIN, Secretary.

Postponement.—The above sale is postponed until Wednesday, September 14, 1864, at the same hour and place. By order of the Board of Trustees.

10-1 WM. H. MARTIN, Secretary.

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 621 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 17th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 3d day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

M. O. ELMORE, Secretary.

Office 621 Clay street, San Francisco. 8-4t

SHEEP SHEARING BY MACHINERY.—This seeming impossibility was exhibited before a large collection of ladies and gentlemen at the Mechanics' Fair, yesterday, by Jenkin's Power Sheep Shearer, a beautiful and most ingenious little machine invented for that purpose, with which the inventor stripped off the fleece of an old gentlemen sheep in less time than it used to take an energetic foreign mining tax collector, in some of the mining counties,to strip the coat from a repudiating celestial, and that did not use to take very long. Another exhibition will be given on Monday at 2 P. M.

LIBERAL.—A. F. Blood, President of the Plumas county Sanitary Fair, held on the Fourth of July last, having ten shares of the North Superior Copper mining stock, and five of the Superior mining stock, valued at $450, remaining after the disposal of the objects donated to that Fair, has presented this stock to the Sanitary Commission, for the benefit of the soldiers of the Union ARMY.

WINE AND CIDER.—These two articles are made to delicious perfection at the Fair by J. Halstead, with a very ingeniously contrived press, of California invention and manufacture, from California grown fruits, the whole process being conducted in the Pavilion, where any one may see that it is the genuine juice of the grape and apple that they drink, and not any of those deleterious compounds of cheap chemicals sold under the names of cider and wine.

A SPLENDID SPECIMEN OF CARRIAGE BUILDING.—Pollard & Moore the carriage makers of Webb street, have on exhibition a double rockaway carriage that is the finest specimen of carriage building ever made in this State, every portion of it being manufactured in this city. The iron work of this beautiful specimen of real art, is polished as highly as a steel knife blade; the leather work is most elaborately worked, in designs stitched with white silk; the cushions being made of the finest blue broadcloth, while every recent improvement, and many original methods to give strength lightness and beauty to a vehicle, are all employed in this beautiful carriage, which is well worth an inspection by carriage buyers. It is one of the finest specimens of home mechanical skill in the Fair.

FOR THE SANITARY FUND.—To-night Harry the one armed soldier, will sell a quantity of very fine fruit at the Mechanics' Fair, for the benefit of the Sanitary Fund. We hope the cause, the excellence of the fruit and the liberality of the generous donor, will have the effect of raising a handsome sum on the occasion.

THE MARKET STREET MUSEUM is attracting crowds of both juveniles and adults. Everybody goes to see the curiosities.

Programme of the Fair.

Until further notice the Pavilion will be open for the admission of visitors

At 9 o'clock A. M., every day except Sundays.

ADMISSION:

Season Tickets for Lady and Gentleman	$5 00
Season Tickets for one person	3 00
Season Tickets for Juveniles	1 50
Tickets for single admission	50
Tickets for Juveniles, single admission	25

Tickets may be had at the Institute, on California street, or of any member of the Executive Committee, or at the Pavilion.

SPECIAL NOTICE.

THE MANAGERS OF THE FAIR are willing to receive articles for exhibition, but desire to inform those interested that where articles are entered at this late day in competition for premiums, satisfactory proof must be given that they were in an advanced state of preparation for that especial purpose before the Fair opened. They desire to do justice to all concerned, and not to rule out articles which have been prepared at the cost of much time, labor and money, but not completed quite so early as intended.

EUREKA SELF-ADJUSTING Clothes Wringer.

THESE Wringers are far superior to any ever before offered to the public in the employing of strong elliptical steel springs, by means of which all articles varying in size receive uniform pressure. Buy one, give it a trial, and if it does not work satisfactorily, return it. They may be seen at the Mechanics' Fair Pavilion, where orders will be received for the same.

Also for Sale at 135 Montgomery street.

M. E. TRAVER & BRO.,
(3) Agents for Pacific Coast.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examiner in charge finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government has, for common reasons, withheld a patent. Against none of those contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $40 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, procuring it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a careful investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our clients, for which fee we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a moderate proportion of the extra fee, if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

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The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success, by having the case investigated, will themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & CO., Mining and Scientific Press, rooms 56 and 57, Government Insurance Office of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the inventor.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years	15
On every application for a design, for fourteen years	30
On every caveat	10
On every application for a patent	15
On issuing each original patent	20
On filing a disclaimer	10
On every application for a re-issue	30
On every additional patent granted on a re-issue	30
On every application for an extension	50
On the grant of every extension	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C.	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the Judges of the U. S. Circuit Court of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,
Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Candidate for Presidency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market: Iron the Basis of Modern Industry; Quite a Novelty; Gold Productions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power Over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Peitsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of War; Power of the Magnet; The Conflagration of the World a Scientific Possibility; More about the Theory of the Mirage of the Sierra Nevada; How to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Portraiture; Formation of Iron by Metallurgized Insects; Old Wrinkles Knowing a Lawyer when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The Rivet Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

THE MINING AND SCIENTIFIC PRESS is published every Saturday morning. Each number contains SIXTEEN PAGES of sixty-four columns. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair

DEWEY & CO., Publishers.
Office, 57 Government House, Corner Sansome and Washington streets.

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-m

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,
Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardeness. Terms of subscription: One week by mail, $00; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, SEPTEMBER 17, 1864.

VOLUME IX. Number 12.

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. The Mining and Scientific Press Patent Agency has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

ROPER'S CALORIC ENGINE.

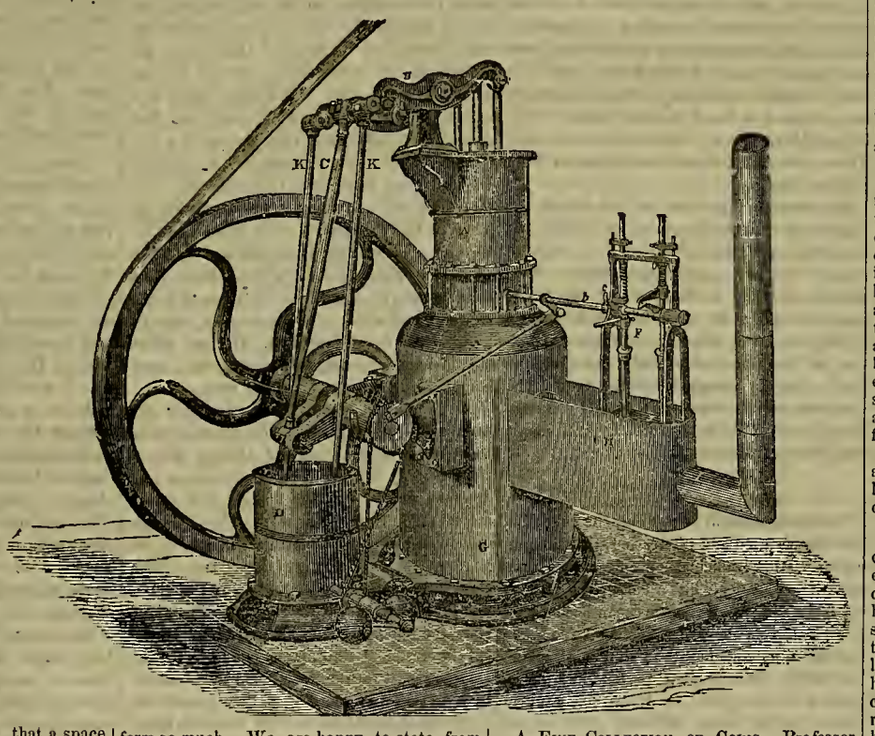
One of the most beautiful applications of the principles of science to manufactures is the comparatively recent introduction of caloric as a motive power for driving machinery. It must be admitted that Erriesson is entitled to the honor of reducing the principles of this valuable power to a practical form for the people of the world. The same genius that abandoned the well trodden paths of ship building, und created an innovation in that branch of manufacturos, which saved our country and revolu-tionized the construction of the navies of the world, subjected the mysterious latent power of heat to his will and added another auxilliary to human progress, second only to steamitself.

This great power as introduced by Erricsson, has been much improved by Roper. The beautiful little engine that runs our Gordon Press at the Fair, on which the DAILY FAIR PRESS is printed is one of this inventor's engines. the difference between which and that introduced by Erriesson is as great as between the engines first built by Watt, and one of the most improved engines of the best makers of the present day. Erriesson's Engines exert their force horizontally, have a separate chamber for heating the air before it enters the cyliuder, is complicated, bulky and expensive Roper's Engines are direct acting, exerting their force vertically, are so simple in their construction that any man of average intelligence can take charge of them without risk. They are so compact in structure that a space of less than five feet square is sufficient for working one of 10-horse power; danger of explosion there is not, cannot be, with an engine that has no boiler and a cylinder not much larger than a common bucket in which the air, cold from the surrounding atmosphere is forced into the furnace. It is the expansion of this air, by the heat of the furnace that forms the power of the engine, a more simple or economical force it were not possible to imagine. The adaptability of these engines for the various branches of manufactures is well illustrated by that in operation at the Mechanics' Fair, which, though of but 2-horse power, and at a cost of less than 75 cents per day, drives our press, a circular saw, one of Staanard's large lift and force pumps, and a five stamp battery for crushing quartz is being put up and will be worked by it when completed. If there is any other power in use as a motor for machinery that will do as much for as little cost, our acquaintance with machinery, somewhat extended, has failed to bring it to our notice.

One of these engines such as that at the Fair, costs delivered here, about $800, which places them within the reach of every one requiring machine power for any purpose.—Though it is less than two years since Roper's Caloric Engines were introduced as an experiment in a shoe factory in Massachusetts, such is the demand for them that the supply does not half equal it, though a very extensive establishment is kept employed night and day in their manufacture.

It was the expressed opinion of many scientific savans that the beautiful little engine at the Fair would not perform the work claimed for it, that it would break down, as it was impossible that with such a power it could perform so much. We are happy to state from our own observation that although, this little engine has been put to the severest tests to satisfy the crowds who are at all times examining it, it has continued to perform its duties without cessation for the past ten days, requiring nothing but a little oil to lubricate its parts, and a few handfuls of coal to keep up the fire. We commend merchants, millmen, storekeepers, shipowners, and every class of person requiring machine power to examine Roper's Caloric Engine which is of universal adaptubility, cheap, safe and durable. More cannot be said of any engine ever inveated.

We re-produce the article, published in our yesterday's issue, descriptive of Roper's Caloric Engine, and introduce in connection with it an illustrative represeatation of the machine. Some slight improvements have been made since the above drawing was prepared, which produce a slight variation between the present machine and the illustration.



A NEW NORTH AMERICAN CONFEDERATION. An important movement is now on foot, having for its object the establishment of an independent Confederation of all the British Provinces on this Continent, upon the same basis as that upon which our own confederacy is founded. Both the Canadian and Columbian journals appear to think well of the movement, and admit that it is both wide-spread and powerful. The British *Colonist*, published at Victoria, August 30th, says that it meets with general favor among the masses, and further adds, as follows: "It would not surprise us in the least if within the next four years we had another Republic established on our continent, formed of the same materials as those that originated and laid the foundation for our own glorious Government."

A FINE COLLECTION OF COINS.—Professor De Laguna of the City College has a case on exhibition at the Fair containing a fine collection of coins and medals in gold, silver and copper, a great many of which are of our own country. The collection of copper cents is particularly fine—the best and largest on this coast, where the collection of any other coin than such as is good for circulation occupies the attention of none but the student or savan. This collection is of use as exhibiting the improvement in American money within the last century, our double eagle being by far the finest and most valuable coin in circulation in any country in the world.

THE DERRINGER PATENT CASE ENDED.—The case of Henry Derringer *vs.* A. J. Plate which was a suit brought for an alleged infringement by the defendant on the patented weapon known as the Derringer pistol, has been settled by judgment being rendered for defendant on demurer.

STEAM BOILER EXPLOSIONS.—An Insurance Company has been established in London with a capital of $500,000 for the especial purpose of insuring the risk of property or life from the explosion of steam-boilers. The company is said to be in a flourishing condition. There is also an institution known as the "Railway Passenger Assurance Company," the operations of which are substantially as follows:—

At the railroad and steamboat stations tickets are on sale by the Clerks, who, upon the request of the passenger, and upon the payment of a small premium—3 pence, we believe, on every £100 insured—hands him or her a ticket guaranteeing the payment of the sum insured, up to £1000, to the family of the passenger in case of death, or an allowance of a sum not exceeding £6 while laid up, and a full compensation for the loss of limbs. This Company has also become a great success, having paid upwards of eight thousand claims, and has extended its operations to indemnification against almost every variety of accidents that can befall a human being, whether in walking, riding, driving, hunting, shooting, fishing, or when at home. The full advantages the Company offer, namely, £1,000 in case of death by accident, or £6 when laid up from the effects of one, can be secured by the payment of an annual premium of £3 per annum.

BAKERS' STRIKE IN NEW YORK.—The journeymen bakers, of New York, at last accounts were on a strike, and the proposition was under consideration to hold a grand mass meeting, or parade through the city in force, with the intention of obtaining the sympathy of the public for their demands of "less hours to work and an advance of twenty five per cent upon their present wages." They desire, also, to do away with all night-work, contending that bread made at half past four to-day is fresh enough for to-morrow. The Union numbers some two thousand five hundred in that city and Brooklyn, although its existence dates but five months back.

THERE are some people who live without any design at all, and pass through the world like straws on a river—they do not go, but are carried.

HEROIC ACT.—While a train was rushing on its way some thirty miles from Chicago, the engineer on approaching a bridge, discovered a child struggling in the water. With most heroic courage he instantly gave the signal for stopping the train, then running at a speed of thirty-five miles an hour, and jumped from the locomotive into the water. When the train had stopped, the brave fellow had rescued the child, and was climbing up the bank of the river with it in his arms. The name of this brave engineer is Charles N. Thompson, and he is a native of Taunton, Mass.

STARS CHANGING COLOR.—Important changes have been noticed, sometimes at long and sometimes at comparatively short intervals. Among the most noted of these changes at long intervals is that of the dog star, Sirius, known in ancient times by its reddish tint, spoken of by Horace as *rubra canicula*, and by Seneca as having a more vivid color than Mars, *acrior ruber*. It is now without any perceptible color.

COME TO THE FAIR.—Our friends from the interior, who have not already done so, should not fail to come to the city during the present month, and visit the Mechanics' Fair. It is a sight no one can afford to lose, for it will be a long time ere they will be permitted to look on its like again. The exhibition is not only interesting, but eminently useful and highly instructive.

Mechanics' Industrial Fair.

Reports for the Week.

The following information concerning the Mechanics' Industrial Fair, is taken from our *Daily Fair Press*, printed and issued at the Pavilion. The reports were prepared by a special reporter.—[Eds. Press.

[Monday, September 12.]

THE ARTS' DEPARTMENT.

As the number and value of the natural productions and manufactures of a people are the surest index of their enterprise, skill and wealth; so the cultivation of the arts and the extent to which they are patronized, is an index of their intellectual refinement and civilization. Judged by this standard—and it is an unerring one—the department of art, at the Mechanics' Fair, is alike flattering and honorable to California. At this exhibition, while we find but few of those venerable works of sculpture and painting, so highly prized in the collections and galleries of the old world, among which sylvan scenes in imaginary Utopias, and mythological portraits of demigods and goddesses, or sinning saints form the leading subjects; we have what is far better—scenes in our own lovely land, with its cloudless sky and spots that for beauty and grandour, are not equalled on the world's wide surface; for where shall we look for the majestic, mysterious magnificence of the stupendous valley of the Yosemite, with its Bridal-veil fall? Where shall the artist wander to find a grove of trees equal in tint of bark and foliage, proportion or beauty, to the Mammoth groves of Calaveras and Mariposa? Where shall the lover of the picturesque wander for inspiration to guide his pencil in delineating Nature's unadorned, yet most lovely features? where can he find scenes equal to the craggy cliffs and peaks of the lofty Sierra Nevada, with their many tinted vegetation? Where can nobler specimens of intellectual men and lovely women be found than among the healthy and wealthy population of our own State, with its beautiful climate, golden sands and silver bearing mountains? These form the subjects that adorn the art galleries of the Mechanics' Fair. Here are scenes of quiet pastoral beauty never excelled by the great Gainsboro; effects of light and shade that would honor a Maclise—and magical illusions of distance that the great Turner himself would certainly admire, while in the department of portrait painting and photography there are countless magnificent specimens. California, it must be admitted contains some of the most efficient photographers in the world, as some of the specimens on exhibition demonstrate. To one of them, Mr. Weed, is due the honor of transferring to form the "shadow of a shade;" which he has done in one of his magnificent series of thirty views of the Yosemite Valley, in which the reflection of the trees and objects on the margin of a lake are clearly given in reflection, with a beauty and distinctness truly marvellous. Some of the plain photographs exhibited by Bradley & Rulofson, in a peculiar tint of sepia brown, both in clearness and charm of novelty are much to be admired.

The sculptures on exhibition like the pictures, are confined to California subjects. Busts of distinguished citizens, of which there are several of the ever to be lamented Starr King, those of Broderick, Peter Donahue, Weller, Brannan and many others, the fidelity to the originals of which render their recognition universal. There is one bust of a boy executed by Devine, of Sacramento, that possesses the additional charm of not alone being a work of California art, but the material is California's too. It being cut from a block of the beautiful Columbian marble, a material possessing all the points of excellence of the best imported Carrara. Altogether the Art Exhibition is magnificent and will repay long and oft repeated visits to the three large rooms devoted to it.

FURNITURE.

The furniture manufacturers and dealers occupy an extensive space in the Pavilion, and their articles form one of the most creditable displays at the Exhibition. Messrs Goodwin & Co. of 528 Washington street, exhibit a beautiful parlor set of rosewood and brocatelle. The set consists of twelve pieces and is valued at $1,500. The backs of the chairs are elegantly carved and wrought entire from a single piece of wood. The silk was imported in the piece and the wood work of the furniture in the rough. The finishing has all been done at Messrs Goodwin & Co.'s establishment. The same firm also exhibit a dining set of much elegance, manufactured entirely by them out of California oak. They also exhibit a finely finished sideboard, settee, etc., together with a splendid rosewood attachee, valued at $350, all of their own manufacture.

B. P. Moore & Co., corner of Pine and Sacramento streets, exhibit elegant rosewood, oak and walnut sets, in modern and antique styles, all manufactured by them in this city. They exhibit one set in the rough, without paint, varnish or covering, to show the workmanship. Among their collection we notice, cabinets, wardrobes, sideboards, sofas, lounges, chairs, bedsteads, etc. The display of this firm is a most gratifying and creditable exhibition of California manufactures in this line.

Mr. Charles Andrews exhibits a carved black-walnut bedstead and a secretary, with a neat and ingenious arrangement of drawers. His carved crusader, female heads, medalions, birds, fruit, etc., are quite artistic. Victor Coppe exhibits some very fine wood turning, also an elegant cradle, which appears to attract much attention from the ladies. Warren Holt exhibits Rankin's improved school desks which are now being introduced into the public schools of this city, and many of those in the interior. Horstman & Co., exhibit an elegantly carved side board and chess table of walnut and rosewood, manufactured by them in this city and valued at $80. A. Conrad shows a finely finished rosewood bookcase and cabinet, also manufactured in this city, from the imported wood. Easton & Bro., exhibit a black walnut bookcase and French secretary, manufactured in San Francisco; also a secretary of Mexican rosewood made by them here. These pieces of furniture are valued at from $150 to $300.

We presume that there are but few of our readers who had any idea previous to the opening of this exhibition of the large amount of elegant furniture manufactured in this city; or that so many woods native of this coast was capable of such fine finish. It is only by exhibitions of this character that the capabilities of our mechanics and manufacturers can be properly brought before the public. The furniture manufacturers of this city use large quantities of California laurel, Oregon maple and Mexican rosewood.

[Tuesday, September 13th.]

MISCELLANEOUS ARTICLES.

In this department of the Fair the collection is so large, varied and interesting, that in making a selection sufficiently brief for a newspaper article, one feels like a child who, gathering shells and pebbles on the ocean beach, finds at each step so many of the objects he seeks that he is only made aware that his pockets are full by their refusing to hold any more, when he is compelled to throw away many things that he would fain carry; this is precisely our case. We had gathered notes of thousands of objects that well deserve passing notice, could we find room to notice them.

We cannot omit the bag of flour that gained the prize at the first Fair, in 1853, when the manufacture of flour was considered but an experiment, whereas now it proves one of the most important branches of our State's production; and in place of importing that article from Chili, Australia, Europe and the Atlantic States, as we did for the first few years of our existence as a State, the flour and wheat of California proves a staple article of export to those countries, and holds the highest place everywhere for excellence. The first box of raisins ever made in the State, a year or two ago, and the first piece of rosin, made equally recently, are other objects suggestive of the *vim* and enterprise of Californians in carrying out any new business that promises to pay. Both these branches of business, never thought of till within a year or two, are of immense importance and extent; that of the latter so much so, that legislative enactments are called for to save the destruction of the forests in some parts of the State, which are being destroyed at a rate that promises to make some counties destitute of timber for fuel in a very few years. The manufacture of rosin, and its product turpentine is sufficiently extensive to more than supply the demand for home consumption.

In this connection it may not be out of place to state that this important branch of our home manufactures owes its origin almost solely to the manufacture of Hucks & Lambert's famous axle grease, which is formed by the distillation of rosin, there being not a particle of grease in its composition. The curious relics of the lost races of Indians, in the shape of weapons of war, ornaments and culinary utensils, all made of stone. How suggestive are these silent but expressive objects of the change in the country and the advancement of man within the era of man's existence. However, we must not stop to philosophise, but must proceed. Another object worthy of attention, the first of the kind, we think, ever exhibited at a Mechanics' Fair, is the showcases containing articles from the Russ House Laundry as specimens of washing and ironing. In these cases are ladies' wearing not-mention them, gentlemans' shirts, collars, etc., gotten up as the saying is "better ash new. Then there are picks for miner's use, with patent eyes and fastenings, steam bathe that generate the necessary hot water, curious historical antiquities of our own and other countries, such as fragments of the coffin and tomb of Richard the Third, the crooked-backed tyrant whom Sheakspeare has immortalized, and whose representation on the stage furnishes so fine an opportunity for third rate actors "to tear a sentiment to tatters;" then there are autographs of Washington, written by the hand that wielded the sword that "made us a nation," and of President Monroe, who laid down the principle that that nation as a free republic must govern America, a principle which in good time, with God's blessing, will be carried out, and many other interesting objects of this character. Then there is a beehive, in solid rosewood, carved and polished with great elaborateness, a fit residence for a whole swarm of queen bees. Balances of power to weigh half a ton, or the hundredth part of a grain, with equal exactness. Optical, philosophical and astronomical instruments, of most complicated forms and singular uses.

A gimping machine, the first and only one ever made on this coast for manufacturing those tortuously wound and twisted decorations used by the ladies for their dresses and bonnets, and by carriage makers and upholsterers for finishing their work. This little machine is a marvel of mechanical ingenuity, beyond mortal mans' power of description. Then there are beautiful models of full rigged ships, and of the hulls and parts of others, which show the importance of this portion of our local interests. California is bound to be the shipping mart of the world, and these models by local builders show that they possess the ability to compete successfully with the builders of any port in the world. Then there are compounds gaily decorated for making the hair grow on the top of the head, the place where the hair ought to grow, but refuses to do so on some persons who have such a development of forehead that it extends to the back of their necks, and other compounds to turn its too warm or too much frosted tints to sombre brown or solemn black, and upwards of twenty thousand other objects that range between a ladies pin-cushion and a 50-horse power steam engine, which we consider includes everything within the range of the arts, sciences and manufactures.

[Thursday, September 15th.

MINERALS.

The present being exclusively a Mechanics' Fair, devoted to the exhibition of the manufactures, machinery and natural productions of our own immediate locality—it was not to be expected that a very large display of minerals, ores and metals in their crude state, the product of the inland counties of the State, would form a very prominent feature. But we had expected to have seen more of these substances in which California is so rich, exhibited at its Metropolitan Fair. We are certain that there are many private gentlemen in the city who have collections that would have been both an interesting and instructive feature at the Fair had they been exhibited. It is scarcely possible to over estimate the advantage to the State that have been derived by familiarizing the popular eye with the appearance of the many strange but abundant and valuable minerals to be found in nearly all sections of the State. We esteem it as one of the greatest advantages derived from such exhibitions as Mechanics' Fairs, their making the masses of the people acquainted with materials and their manufactures, otherwise not likely to come under their notice. The exhibition of minerals at the Fair are scarce deserving of notice, if we except, the huge masses of coal from the Mount Diablo mines, and of copper from Copperopolis, and Red Bluff. 'Tis true, there is a collection of minerals in a glass case from the Occidental Hotel, but this is a collection more important for their intrinsic value than as a means of familiarizing the popular eye to the appearance of minerals. There are also some large masses of galena and other argentiferous ores from Washoe, Mexico, and a few other localities, interesting as specimens, but nothing more. One of the finest of these is a large mass of chloride of silver from Reese River exhibited by North Point Smelting Works, this specimen is valuable as showing that a very unseemly looking rock may sometimes be of immense value. The chlorides of silver, though presenting none of the appearance of that metal, contain not unfrequently from 50 to 60 per cent. of it, illustrating our argument of the advantages to be gained by making such unusual ores familiar to the popular sight. There is probably not one person in a hundred who examine this specimen that would credit that it is worth $6,000 per ton.

There is also a fine collection of specimens of gold bearing quartz from Whisky Hill, Tuolumne county, and one or two other places, very rich and handsome, but gold has become so familiar to every man, woman and child on this coast, that almost every one is prepared to go "prospecting" for that metal. Those who are interested in this matter will observe a very remarkable peculiarity in the gold from Whisky Hill. It is of a much lighter tint than is usual with California gold, and in place of being in grains or threads disseminated through the rock, this gold is in broad flat bands and plates, the faces of which in some cases are beautifully crystalized, forming most elegant specimens for a cabinet collection. The most interesting exhibition by far, in this department of the Fair is connected with salt, a mineral that exists in inexhaustible abundance in almost all portions of this coast. Mr. Winnegar, of Front street, has a fine display of this material both in its crude and manufactured state. Some of the native salt from Arizona is nearly as hard and transparent as quartz crystals, and appears at the first glance more like quartz than salt. The greater portion of the salt manufactured by Mr. Winnegar is obtained from San Pedro, near Los Angelos, the purest native salt probably in the world, it showing by numerous analyses by different persons, 97 parts salt out of a hundred, the remainder being lime and magnesia. This one establishment manufactures 100 tons of fine salt per month, and could dispose of much more if they could make it. Mr. Winnegar also exhibits specimens of salt from Carmen Island, San Quentin, Sonoma and many other places. As an evidence of the improvement in the manufacture of this article, he exhibits the box of salt that obtained the prize at the Fair in 1860, which is as inferior in color, fineness and quality to that manufactured now, as the course dairy salt of Liverpool is to the refined salt of California. The manufacture of salt on this coast, has reached the extent of millions of dollars' worth annually. In Washoe alone the consumption of salt for amalgamat-

ing purposes exceeds a million a year, while in our own State, principally for domestic purposes, it far exceeds that amount, nearly all of which is produced from our own resources, but little salt at present imported, while quite an extensive export business in this article is beginning to arise.

[Friday, September 16th.]

IMPROVEMENTS IN MINING MACHINERY.

One of the most important lessons taught by the present Mechanics' Fair, is the extensive improvements in mining machinery. This term of course includes machinery used in crushing,amalgamating or concentrating the products of the mines. It requires not the prescience of a prophet, or the calculations of a Newton to foretell the tendency of this great advance and improvement. The immense inducements held out to competent machinists, by the liberality and wealth of the miners of this State, as was to be expected, has resulted in attracting the attention of the first minds in our own country as well as Europe, to the construction of mining machinery. The absolute want of that practical knowledge of the requirements of such machinery, has been well illustrated by the almost countless number of useless articles that have been made to carry out the ideas of, in many cases, master minds in scientific knowledge. Millions of dollars have been expended in manufacturing such useless machinery, and who shall tell the extent of the trials, vexation and positive loss caused by them? How many gold and silver mines have been abandoned as worthless, more through the effects of ill constructed or ill managed machines, than from lack of value of their ores.

But this state of things is rapidly passing away, and a better, brighter day is beginning to dawn upon us already by the improved processes for amalgamating the precious metals. The refuse, "the tailings" as they are termed, of former processes are now worked with more profit than had been the original rock, and it would be stupid to imagine that improvement in this department has reached its climax. There are nearly twenty different machines for amalgamating on exhibition at the Fair, from the little wooden box or barrel with revolving arms to agitate the pulp and water, to the many complicated "pans" which grind the crushed ore while bringing the grains of metal in contact with the mercury. Electricity, steam and every conceivable direction of motion has been applied to to these amalgamators. Some shake, others rotate slowly or with great rapidity.

The last new improvement brought to our notice is of recent introduction, by two French Mechanics, Baux & Guiod. This amalgamator is entirely different in principle to any heretofore introduced, and without wishing or intending to make any invidious distinction, we think it possesses many advantages over all others.

It is at all times a most difficult matter to describe even the most simply constructed machine so that the general reader may comprehend it; of course this difficulty is increased when the machine is more complicated. But believing the principles on which this pan is constructed of great importance, as directing the labors of machinists to a new idea, we shall attempt the difficult task of describing it. This amalgamator consists of a flat bottomed iron pan about four feet in diameter and six inches deep; to this there is a cast iron lid which fits water tight, by means of ridges on both edges, and is kept in position by pins. In the center of the pan is a collar which surrounds the shaft, to which the arms of the mullers are fixed; the collar projects an inch or so above the lid, so that there is no outlet for the pulp and water except between this collar and lid; the crushed rock and water from the grinding machine, to which this amalgamator is attached, and which we shall hereafter describe, flowing in by means of a hopper, the mouth of which is two or three feet above the level of joint of the lid and collar; it follows that by a very simple law of nature, the water containing the ground rock must flow out at that joint, which being at the very top of the pan, by another well known law of nature, only the lightest particles will be held in suspension and flow off with the water. To insure this the mullers are made in a peculiar form, of cast iron, so that the mercury or amalgam is forced to concentrate in the middle of the pan; a simple, but at the same time most effective means for that purpose, being served by these mullers.

Connected with this amalgamator is Fanchery & Genard's Crocodile Quartz Crusher which will crush a ton of rock an hour, sufficiently fine to be put through a very well conceived and effective grinding apparatus. The grinding surfaces being made on the same principle as French burr-stones. There are two of these grinders in each pan—working one over the other. The surfaces are kept in ridges by a very novel plan of making them with alternate bands of cast and wrought iron—the latter wearing quicker than the former causes hollows which insure a rotary motion to the particles of rock—while it frequently happens that on smooth surfaces angular fragments will slide around for a considerable time without grinding. From this grinder the pulp passes as before stated into the new amalgamator. These three machines, forming a most effective quartz mill in all its departments, cost about $1,600, and can all be run to perfection with a six-horse power engine. They altogether occupy a space of 13 feet by 6—make scarcely any noise while working, and require less hands to attend them, as the rock being once fed into the jaws of the crusher passes itself through all the other parts.

We have not written the above as a "puff," but merely to illustrate our subject—the improvements in mining machinery, of which we consider this one of the most important. There are many other valuable inventions on exhibition, which we shall in due time take pleasure in describing, but these French gentlemen's machines are so complete as to show conclusively that quartz crushing and amalgamating, may be carried on without the expenditure of half a million of dollars for machinery which but imperfectly performs its work. We hope our mining friends will give this subject their serious attention, for it well deserves it.

Guns & Pistols.—The most complete assortment of guns, pistols, rifles, and other weapons on Exhibition at the Fair may be seen in the show case belonging to A. J. Platt of 411 Sansome street. In this case may be seen a number of the most elegant, costly and effective weapons in the state, both of home and foreign manufacture. A telescopic rifle, made to order for one of our wealthiest citizens, is a superb weapon elaborately wrought and richly mounted with silver, such a weapon as a common monarch might use with pride. Henry's, Spencer's and Sharp's rifles, a famous "Manton" gun and a pistol that may be loaded and fired with safety, that would be just the thing for Gen. Tom Thumb or Commodore Nutt. The pistol with its bullet mould, wrenches and other tools, all being contained in an elegant case about two inches square.

Trunks & Valises.—Steele & Co., of 222 and 224 Sansome street, exhibit at the Pavilion a very fine assortment of trunks and valises of home manufacture. Everything at their stand has been manufactured in this city. In addition to their extensive home manufacture, Steele & Co., are also the largest importers of goods in their line on the Pacific Coast. Their trunks are imported in a partially finished condition, being packed flat, and put together at their manufactory as above. Their importations are chiefly from New Jersey, and all from the Atlantic States. An experience of five or six years, in this city, has given them a thorough knowledge of the business here, and enables them to meet the public want, in their line, most perfectly.

Buried Treasure.—In taking down an old building in France, recently, the owner discovered beneath a block of granite, a trunk containing gold coins to the value of sixty thousand francs. They were all of the reign of Francis I., and are supposed to have been buried during the religious wars.

CALIFORNIA'S TRIUMPH.

One of the proudest and most interesting reflections connected with the present Industrial Exhibition is the fact that it is so essentially Californian in character; therein differing widely from any previous exhibition on this Coast. Those who witnessed the exhibition four years ago, and who have carefully examined the present one, cannot fail to have noticed this marked distinction—a distinction which most accurately measures the vast strides which California has made in manufactures and arts during the last four years. This growing industry of our people is daily telling upon every individual in the State, and that, more than anything else, is what will eventually raise our State to the proudest position in the glorious galaxy of stars.

Where is the man who can walk through the avenues of our magnificent Temple of Industry, without feeling a glow of pride that he is a Californian. Fourteen years ago, our city was but a hamlet on the slope of a barren sand-hill, and for several years thereafter, every article of ornament or use, every tool or implement for the shop or mine was brought from a distant shore. Even the very houses in which we lived, if of any pretentions to character, were shipped around the Horn. Now, how changed! Our magnificent city is the marvel of the age; the immense palace of industry in its midst is filled to overflowing with the sample products of the workmanship and ingenuity of our home mechanics, ready to enter the lists in competition with the world, in most departments of industry. The genius of our mechanics has given an impetus to mining, unequalled since the introduction of steam and gunpowder to that branch of industry. Their inventions in this line are of world wide use. We have now on exhibition a series of inventions, brought out by Californians within the last three years, which would be a credit to any community on the globe—even the oldest and most populous.

In the number we have eleven amalgamators, and some twenty-five or thirty other important mechanical contrivances for saving labor, all of a highly important and first class character, to say nothing of numerous others for minor, yet still useful purposes. Sacramento has brought us a pump which took the premium at the World's Fair, in London, over three hundred competitors. That city, through the same ingenious inventors, has also just perfected and exhibited for the first time at any Fair, a hydrostatic engine, working upon a principle which the most ingenious mechanics of the Eastern States and Europe have for years vainly been endeavoring to perfect, but without success.

Look at the evidences of our manufacturing progress. See those bales of wool, the like of which our manufacturers have transformed into those beautiful blankets, shawls, broadcloth, cassimere, flannels, etc., which are so profusely displayed near by. Behold yon show of white pyramids of the purest sugar which our San Francisco manufacturers have wrought out from the dark, dirty grains of raw produce of our Island neighbors. Walk around among that gorgeous furniture; rich, elegant, and costly enough for a king's palace. It is the work and handicraft of our mechanics, and made in a city where, fourteen years ago, nothing of the kind, better than a four legged stool was manufactured. Go with us and examine that huge iron monster that with tireless sinews drives with such ease the ponderous and complicated machinery which we see on every side, and reflect that only three months before it was placed in this building, it existed only as "plates" and "pigs" of iron in its simplest metalic form.

But we have no room to further particularize. The scene before us is a grand one, and and one on which we delight to dwell. We know that our readers, who have seen it, rejoice with us, from the bottom of their hearts, at the glory and prestige which it is bringing upon our rising State—a glory more lasting and more glorious than was ever won before the cannon's mouth—a triumph of mind over matter, a subjection of nature to the will and purposes of man.

WIRE WORK.

In these days economy is a great consideration, particularly when blended with utility or ornament. In no branch of our home manufactures is this consideration so closely followed as in the manufacture of articles of wire, a branch of our local industry which has ramified itself through every other trade and calling in the State, till it has assumed proportions that probably not one person in ten thousand have any conception of. The introduction o wire for making rope for suspension bridges rigging for ships, hoisting gear for deep mines, for fences in districts where wood is scarce and costly—these are familiar uses of wire; but then there are thousands of purposes for which this useful substance is used which are both novel, economical and useful. For instance, the collection of articles in this line exhibited by H. T. Graves, at the Mechanics' Fair, including a large, beautifully designed Arbor or Summer House, better adapted than lath work for cultivating those charming creeping plants that so ornament a garden when properly trained, but give it such a slovenly neglected appearance, when not. This house, which has been erected over the Aquarium, near the center of the Pavilion, covers a space of twelve feet in diameter, is sixteen feet high to the crown of the dome, has two doors, and a column at each of the eight angles of which it is formed. The wire in these columns is so arranged that when any creeper would be growing on it, they would assume a round, solid form, the wire being wound in such a manner as to insure this. The pannels between these columns are formed of what is termed "crimped wire," a plan by which at every intersection of the wires each has an indention that holds both in their places without any fastening—making the work stronger, cheaper and better. This quite large building weighs only 450 lbs. Then there are chairs for garden use, neat, light, cheap, but little more costly than ordinary wooden chairs, but which outlast a hundred such for garden purposes; rain nor sunshine having no effect on wire but soon destroying wood.

But perhaps the best and most useful application of wire in the whole exhibition, are the doors and windows, such as may be fitted up to any house, which admitting light and aiding ventilation, exclude the pest of flies. A full sized door, neatly painted, in stout wooden frame, costs but $5 or $6—while a window costs but $2 50; a price so low that we wonder how any person endures the torture of the flies, when they may prevent them at such a trifling cost.

Then there are wire-cloths of all degrees of fineness, from the muslin-like texture of the drum sieves for druggists to sift articles the dust of which it were dangerous to inhale, to the stout crimped screens for sorting copper ores. This process of crimping wire is of great utility in making such sieves. Another somewhat similar improvement is twilling the wire in weaving it; by which it is made more than double as durable as by the usual methods of weaving wire. Both these improvements were invented by Mr. Graves, at his extensive manufactory in this city. To barely mention all the articles in this gentleman's exhibition, would nearly fill our paper. They consist of articles of every conceivable shape and form, from huge traps capable of holding a whole colony of rats, to little sieves for the eyes when the dust is flying. Dummies for milliners, hatters, and clothiers, to display their goods in form; bird cages, neat supports for growing flowers, fenders to guard children and crinoline from the dangers of fire; and everything exhibited, considering its durability, is wonderfully cheap. We specially commend to notice the wire doors and windows as an act of charity to those plagued with flies or mosquitos.

State Fair.—The Board of Agriculture of the State Fair held a meeting in Sacramento on Monday evening, and changed the time for the annual meeting of that institution from the 10th to the 17th of October, in order not to conflict with other Fairs at present being held.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Sept. 17th, 1864.

The market has exhibited a very fair degree of activity this week in leading, as well as in the lower priced shares. A number of prominent stocks have been subjected to a severe pressure from short sellers and others, but are tolerably well sustained at the close. Many speculative shares had been sought for and were largely dealt in at enhanced rates. This latter class of stocks are, for the most part, being regarded with much more favor than formerly. Some of them doubtless possess merit and have been unduly depressed. If the development of even a small portion of these claims, should result favorably, an impulse will be given to nearly all that were once on the market, and they may materially advance. We think a disposition has been shown recently by the public to take hold of these stocks; they cost but little and can be bought in most cases at less than assessments have amounted to.

Legal Tender Notes have been largely dealt in at the Board, advancing from 45½ to 46½, receding to 45½, rallying to 46¾, and declining to 44⅞ last evening, $97,000 were sold.

State Telegraph advanced from $33 to $35 per share. It is supposed that this company have a large surplus balance in their treasury.

California Steam Navigation has been steady at about 60 ₱ cent. (600) per share, at which rate 29 shares were sold. Spring Valley Water Company declined to 3½ ₱ cent. on amount paid in.

Gould & Curry has been active at variable rates and 63 feet were sold, advancing from $1,230 to $1,285, receding to $1,150, seller 30, rallying to $1,200, again declining to $1,150, then advancing to 1,200, closing last evening at $1,135. The 50-horse power engine recently erected in the lower portion of this mine, has been in operation for a week past and is thought to be a complete success. Receipts of Bullion are averaging some $7,000 per day, and the work of exploration still continues in different portions of the claim. The large body of ores 25 feet in depth and about 70 feet in width, directly beneath the 4th level are said to be alone sufficient to enable the Company to declare their regular monthly dividends for some time to come. The treatment of the large amount of tailings on hand at the Company's Mill, has not been as satisfactory as was anticipated, but it is believed that every difficulty can yet be successfully overcome. A number of new tests are to be made.

Savage advanced to $1,300, declined steadily to $1,120, seller 60, then advanced to $1,200, sellers option 60 days, and closed yesterday at $1,230. We can learn of no change in this mine; it continues to look well and is as productive as ever, the regular shipments of Bullion being fully up to the average of the past two months.

Belcher has met with no sale since last week, and is held at about $775. Empire Mill and Mining Company has not been offered recently.

Potosi remains dull and inactive. Small sales were made at $800@$770. The injunction suits of this Company *vs.* the Bajazet and that of the latter against the Potosi, have been before Referee Mesick during the week and may reach a conclusion in a few days.

Chollar has fluctuated but little—declining from $650 to $620 and closing at $650, 60 feet changing hands. The last crushing of 125 tons of ore from the North Mine yielded $51 per ton. The vein in the southwest drift is now some 20 feet in width, from which portion of the claim some 25 tons of good ore are now daily taken. Washoe advices speak favorably of the future of this mine. The affairs of the Company are now well managed and their debt is being rapidly curtailed.

Hale & Norcross was sold at $425, seller 30. The lower drift is progressing satisfactorily. An assessment of $50 per foot was levied on the 13th inst. Yellow Jacket is dull at $400. Ophir is in less favor and fell from $460 to $325 per foot. The Central Shaft is now down 125 feet below the 7th gallery of the Ophir.

Imperial rose from $140 to $143 per share, declined to $137, advanced to $142½ and sold yesterday at 142. 100 shares were sold at these rates. The lower 50 feet level is improving and arrangements have been consummated with other claims to erect the most powerful pumping aparatus in the Territory, which will effectually drain all the mines in Gold Hill proper. The water of Carson River is increasing and the Rock Point Mill is now making about two thirds time.

Sheba has fluctuated materially, declining from $95 to $58, advancing to $80@$85, and held yesterday at $100. The yield of amalgam from the first crushing of about 40 tons of ore in the Company's new Mill amounted to some 1,300 lbs, the value of which is estimated at some $19,000.

Wide West has been exceedingly active and 1,120 shares changed hands, advancing from $32 to $35, then quickly declining to $20, rallying to $24, receding to $20 again rising to $24 and closing last evening at about $26. Some disappointment has been felt at the result of a recent crushing of 20 tons of ore, which yielded about $36 per ton.

Antelope fell from $13 to $12. The former assessment of $10 has been cancelled and $25 levied on the 14th instant in lieu thereof. Real Del Monte was sold yesterday at $17@$18. The Company's Mill is making about half time. Golden Age & Empire has fallen to $5.

Nevada (J. G.) is in much better request and rose from $20 to $34, selling yesterday at $30. A meeting of the Stockholders took place on Wednesday and a special Committee was empowered to investigate the Company's affairs. A favorable report is anticipated as to the prospects of the Company under proper management.

Baltic is also in more favor and advanced from $16 to $28, selling since as low as $17 and then rallying to $24. 125 shares were dealt in. It is rumored that the lode of the Uncle Sam mine has been reached.

Buckeye has revived again and rapidly rose from $3¼ to $6 at which latter rate sales were made yesterday. Burning Moscow is better and 200 shares were sold, advancing from $19 to $29.

North American has been steady at $25. Dancy was sold at $30, but is now offered at $27. De Soto was dealt in at $25@$20.

North Ophir was sold at from $30 to $32; Santa Rosa, at $32; Sierra Nevada, at $21@22½; and Josephine, Coso, at 3½. Bullion rose from $45 to $50, and is now held at $60.

The aggregate sales of Stocks and Legal Tender Notes since Saturday last amount to $334,122.50.

Sales of Mining Shares

For the week previous to Saturday, Aug. 20.

By the San Francisco Stock and Exchange Board.

Saturday, September 10.

8 shs Gould & Curry at 1230 per foot.
4 shs Gould & Curry at 1250 per foot.
4 shs Gould & Curry at 1260 per foot.
8 shs Gould & Curry at 1265 per foot.
4 shs Gould & Curry at 1270 per foot.
4 shs Gould & Curry at $1275 per foot.
4 shs Gould & Curry at 1280 per foot.
1 sh Savage at 1280 per foot,
1 sh Savage at 1250 per share.
1 sh Savage at 1300 per foot.
2 shs Hale & Norcross. 425 per foot, s 30.
100 shs Daney at 30 per foot.
16 shs Chollar at 650 per foot.
24 shs Chollar at 645 per foot.
44 shs Chollar at 640 per foot.
4 shs Chollar at 635 per foot.
12 shs Ophir at 460 per foot.
5 shs Yellow Jacket at 400 per foot.
5 shs Burning Moscow at 19 per share.
64 shs Lady Bryan, 5.50 @ 6.12½ per share.
20 shs Bullion, O H., 45 @ 50 per share.
155 shs Wide West at 32@33 per share.
10 shs Wide West at 31 per share, s 15.
5 shs Imperial at 140 per share.
20 shs Cal. Steam Nav. Co., 60 per cent.

AFTERNOON SESSION.

10 shs Imperial at 143 per share, b 30.
20 shs Lady Bryan at 6.50 per share.
100 shs Lady Bryan at 6¼ per share.
20 shs Lady Bryan at 6¼ per share.
14 shs North American at 25 per share.
4 shs Chollar at 650 per foot.
5 shs Burning Moscow at 20 per share.
10 shs Santa Rosa at 29 per share, s 30.
10 shs Santa Rosa at 30 per share.
10 shs Santa Rosa at 35 per share, b 30.
5 shs Wide West at 33 per share.
15 shs Wide West at 32 per share.
20 shs Wide West at 25¼ per share, s 60.
30 shs Wide West at 30 per share at 30.
60 shs Wide West at 30 per share, s 30.
50 shs Wide West at 31.57 per share.
10 shs Wide West at 31 per share.
70 shs Wide West at 30 per share.
Amount of sales.....$63,299 50

Monday, September 12.

$5000 Legal Tender Notes at 45¼ per cent, s 30.
$3,000 Legal Tender Notes at 46¼ per cent, r w.
6 shs State Telegraph at 33 per cent.
28 shs Gould & Curry at 1270 per foot.
4 shs Gould & Curry at 1280 per foot.
4 shs Gould & Curry at 1285 per foot.
4 shs Gould & Curry at 1275 per foot.
8 shs Gould & Curry at 1270 per foot.
60 shs Ophir at 440 per foot.
1 sh Savage at 1255 per foot.
3 shs Savage at 1260 per foot.
10 shs Sheba at 95 per foot.
2 shs Potosi at 800 per foot.
15 shs Burning Moscow at 21 per share.
5 shs Burning Moscow at 22 per share.
50 shs Wide West at 30 per share.
30 shs Wide West at 30½ per share.
9 shs Antelope at 13 per share.
4 shs Nevada, J. G., at 20 per share.
15 shs Imperial at 141 per share.
5 shs Imperial at 140½ per share.
25 shs Imperial at 140 per share.
5 shs Golden Age & Empire at 5 per share.
5 shs North American at 25 per share.
50 shs Lady Bryan at 6 per share.
20 shs Lady Bryan at 6¼ per share, b 15.

AFTERNOON SESSION.

8 shs Gould & Curry at 1260 per foot.
4 shs Gould & Curry at 1250 per foot.
4 shs Gould & Curry at 1220 per foot, s 30.
4 shs Gould & Curry at 1245 per foot.
5 shs Imperial at 139 per share.
60 shs Wide West at 29 per share.
10 shs Wide West at 26 per share, s 15.
30 shs Wide West at 25 per share, s 15.
20 shs Wide West at 27 per share.
10 shs Wide West at 26¼ per share.
16 shs Lady Bryan at 6¾ per share.
40 shs Lady Bryan at 6¾ per share.
$1,400 Legal Tender Notes at 46½ per cent.
$15,000 Legal Tender Notes at 46 per cent, s 30.
Amount of sales.....$55,662 00

Tuesday September 13.

15 shs Sheba at 95 per foot.
4 shs Gould & Curry at $1225 per foot.
4 shs Gould & Curry at 1205 per foot.
20 shs Gould & Curry at 1175 per foot, s 30.
20 shs Gould & Curry at 1150 per foot, s 15.
4 shs Gould & Curry at 1200 per foot.
4 shs Gould & Curry at 1200 per foot, r w.
8 shs Gould & Curry at 1195 per foot, r w.
12 shs Gould & Curry at 1150 per foot, s 30.
4 shs Gould & Curry at 1210 per foot, r w.
8 shs Gould & Curry at 1175 per foot, s 30.
4 shs Gould & Curry at 1205 per foot, r w.
12 shs Chollar at 620 per foot.
20 shs Chollar at 625 per foot.
8 shs Chollar at 630 per foot.
1 sh Savage at 1240 per foot.
1 sh Savage at 1235 per foot.
5 shs Savage at 1200 per foot.
10 shs Antelope at 13 per share.
10 shs Antelope at 12 per share.
25 shs Wide West at 20¾ per share.
20 shs Wide West at 20 per share, r w.
110 shs Wide West at 20 per share.
20 shs Wide West at 21 per share, r w.
10 shs Wide West at 20 per share, s 10.
10 shs Baltic at 16 per share.
10 shs Josephine, Coso, at 3¼ per share.
10 shs Willow Springs at 50c per share.
10 shs Lady Bryan at 5½ per share.
5 shs Imperial at 138 per share.
5 shs Imperial at 137 per share.
10 shs Burning Moscow at 22 per share.

AFTERNOON SESSION.

8 shs Gould & Curry at 1200 per foot.
12 shs Gould & Curry at 1205 per foot.
4 shs Gould & Curry at 1200 per foot, s 3.
1 sh Savage at 1200 per foot.
40 shs Chollar at 610 per foot, r w.
4 shs Chollar at 620 per foot.
4 shs Chollar at 620 per foot, s 60.
140 shs Sheba at 90 per foot.
10 shs Buckeye at 3¼ per share.
25 shs Buckeye at 3¼ per share.
15 shs Buckeye at 3¼ per share.
30 shs Buckeye at 3¼ per share.
10 shs Wide West at 21 per share, s 10.
10 shs Real del Monte at 17 per share.
10 shs Antelope at 11 per share, s 10.
10 shs Baltic at 28 per share.
10 shs Lady Bryan at 5½ per share.
10 shs State Telegraph at 35 per cent.
Amount of sales.....$71,740 00

Wednesday, September 14.

6 shs Savage at 1125 per foot, s 60.
1 sh Savage at 1120 per foot, s 00.
6 shs Savage at 1125 per foot, s 60.
1 sh Savage at 1160 per foot.
3 shs Savage at 1150 per foot.
4 shs Savage at 1150 per foot, r w.
24 shs Ophir at 400 per foot, r w.
12 shs Ophir at 400 per foot.
24 shs Chollar at 630 per foot, s 30.
30 shs Chollar at 620 per foot, s 60.
8 shs Gould & Curry at 1200 per foot.
4 shs Gould & Curry at 1200 per foot, r w.
9 shs Sheba at 90 per foot.
10 shs Sheba at 87 per foot.
293 shs Hope, N. T., at 1 per share.
50 shs Wide West at 24 per share.
5 shs Wide West at 23¾ per share.
20 shs Wide West at 24 per share, r w.
10 shs Wide West at 23½ per share.
61 shs Nevada, J. G. at 31 per share.
5 shs Nevada, J. G. at 32½ per share.
20 shs Nevada, J. G. at 32 per share.
10 shs Nevada, J. G. at 35 per share, b 30.
10 shs Nevada, J. G. at 34 per share, b 30.
5 shs Burning Moscow at 22 per share.
30 shs Santa Rosa at 32 per share.
90 shs Buckeye at 4 per share.
5 shs Imperial at 138 per share.
10 shs De Soto at 25 per share.
30 shs North American at $25 per share.
15 shs Baltic at 22¾ per share.

AFTERNOON SESSION.

4 shs Gould & Curry at 1160 per foot.
4 shs Gould & Curry at 1190 per foot.
20 shs Sheba at 75 per foot.
20 shs Sheba at 60 per foot.
20 shs Sheba at 58 per foot.
20 shs North American at 25 per share.
10 shs De Soto at 22 per share, s 30.
5 shs Baltic at 24 per share.
10 shs Baltic at 23 per share.
5 shs Nevada, J. G. at 32 per share.
10 shs Green, G. H. at 2¾ per share.
15 shs Wide West at 23 per share.
20 shs North Ophir at 32 per share, b 30.
10 shs North Ophir at 30 per share, s 30.
10 shs North Ophir at 31 per share.
1 sh Spring Valley W W at 3½ per cent.
5 shs Gal-ornia Navigation Co., at 59¾ per cent, s 60.
$ 5,000 Legal Tender Notes at 45¾ per cent, s 5.
$20,000 Legal Tender Notes at 45¾ per cent, s 5.
$ 7,000 Legal Tender Notes at 45¾ per cent, s 5.
Amount of sales.....$68,370 00

Thursday, September 15.

2 shs Savage at $1150 per foot, r w.
1 sh Savage at 1160 per foot,
1 sh Savage at 1175 per foot.
1 sh Savage at 1180 per foot.
3 shs Savage at 1185 per foot.
4 shs Gould & Curry at 1175 per foot.
2 shs Gould & Curry at 1200 per foot.
4 shs Gould & Curry at 1160 per foot.
4 shs Gould & Curry at 1175 per foot.
2 shs Potosi at 770 per foot, steamer day.
26 shs Sheba at 80 per foot.
10 shs Wide West at 21 per share, s 30.
20 shs Wide West at 22 per share.
40 shs Wide West at 20 per share, s 30.
200 shs Cortez, R. R. at 2¾ per share,
5 shs Real del Monte at 18 per share.
5 shs Sierra Nevada at 22½ per share.
5 shs De Soto at 20 per share.
10 shs North American at 25 per share.
20 shs Baltic at 20 per share.
5 shs Baltic at 18 per share.
10 shs Lady Bryan at 5½ per share, b 10.
6 shs State Telegraph at 35 per cent.
$ 5,000 Legal Tender Notes at 46¾ per cent, s 5.

AFTERNOON SESSION.

1 sh Savage at 1200 per foot, s 30.
2 shs Savage at 1200 per foot, s 60.
24 shs Ophir at 390 per foot.
12 shs Ophir at 400 per foot, b 5.
12 shs Ophir at 360 per foot, r w.
50 shs White & Murphy at 10 per foot.
10 shs Sheba at 8 per foot.
20 shs Sheba at 85 per foot.
3 shs Antelope at 12 per share,
20 shs Baltic at 17 per share.
10 shs Baltic at 20 per share.
10 shs Baltic at 21 per share.
60 shs Buckeye at 6 per share, b 30.
10 shs Buckeye at 6¼ per share.
20 shs Wide West at 2..½ per share, r w.
20 shs Wide West at 23 per share.
20 shs Imperial at 142½ per share.
5 shs Real del Monte at 18 per share.
10 shs Real del Monte at 17 per share.
15 shs Burning Moscow at 22 per share.
5 shs Sierra Nevada at 21 per share.
$7000 Legal Tender Notes at 46¾ per cent, s 30.
Amount of sales.....$35,381 00

Friday, September 16.

4 shs Gould & Curry at 1150 per foot.
4 shs Gould & Curry at 1140 per foot.
12 shs Ophir at 390 per foot.
72 shs Ophir at 325 per foot.
100 shs Amador, R. R. at 5 per share.
10 shs Lady Bryan at 5½ per share.
40 shs Lady Bryan at 5½ per share, b 10.
10 shs Mount Davidson at 3¼ per share.
40 shs Burning Moscow at 23@25 per share.
10 shs Burning Moscow at 24 per share, s 30.
25 shs Nevada, J. G. 30 per share.
10 shs Antelope at 11 per share.
20 shs Wide West at 24@25 per share.
10 shs Wide West at 24 per share, s 30.
25 shs Buckeye at 6 per share.
10 shs Imperial, 142 per share.
50 shs Baltic at 24 per share, b 30.
9 shs Cal Steam Navigation Co., at 60 per cent.
$5,000 Legal Tender Notes at 45¾ per cent, s 30.
$5,000 Legal Tender Notes at 45¾ per cent, s 30.

AFTERNOON SESSION.

8 shs Gould & Curry at 1175 per foot, b 30.
4 shs Gould & Curry at 1135 per foot.
24 shs Chollar at $650 per foot, s 30.
2 sh Yellow Jacket at 400 per foot.
48 shs Ophir at 325 per foot.
16 shs Burning Moscow at 25 per share.
10 shs Burning Moscow at 26 per share.
15 shs Burning Moscow at 29 per share.
10 shs Burning Moscow at 28 per share, s 30.
10 shs Burning Moscow at 28¼ per share.
10 shs Burning Moscow nt 27 per share.
25 shs Burning Moscow at 28 per share.
10 shs Wide West at 25 per share, s 10.
25 shs Wide West at 26 per share.
10 shs Wide West at 26 per share, s 10.
$5,000 Legal Tender Notes at 45½ per cent.
$5,000 Legal Tender Notes at 45 per cent.
$6,000 Legal Tender Notes at 44⅞ per cent.
30 shs Lady Bryan at 5½ per share.
25 shs Lady Bryan at 5½ per share.
Amount of sales.....$39,670 00

Our Patent Agency.

The Patent Agency of the Mining and Scientific Press has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of Letters Patent from the United States and foreign Governments cannot be over-rated, and the Proprietors of the Press, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

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Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the Mining and Scientific Press, from January 1st to July 1st, can be procured on application to the office.

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Monthly Dividend Paid	Recent Assessments Per foot	Total Assessments Paid.
Baltimore American	2 600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	24 00	25 00		Jan 7, $10; July 23, $6.	35 00
Bajazet and Golden Era	4 00	1	4 000	200 00	—	12 00		July 20, 5; Aug. 3, $5.	8 25
Best & Belcher	224	4	896	500 00	—	—		Jan 12, $25; May 17, $100	200 00
Burning Moscow	4,100	1	4,100	500 00	28 00	29 00		Jan 15, $15; June 24 $5	50 34
Burnside	2 800	1	2 800	500 00	1 00	—		Feb 16, $2; Aug. 31, 50c	9 50
Belcher	1,040	3	3,120	1,000 00	025 00	800 00	$24		
Buckeye	3,000	1	2 800	100 00	—	3 00		June 4, $1.50, Aug 15, $2.	20 20
Bullion, G. H.	2,500	1	2,500	200 00	30 00	60 00		Jan 5, $20 Sept. 13, $10	
California	300	12	3 600	500 00	—	—		July 12, $150 00	
Central	150	12	1,800	500 00	—	—		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		May 25, $3, July 12, $1½	19 50
Crown Point	395	2	786	100 00	8 50	600 00		Oct 15, $25.	100 00
Chas. Caney	1,800	1	1,800	50 00	—	15 00		Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,400	4	5 600	800 00	050 00	700 00		Jan 25, $60; Apr 15, $50.	350 00
Daney	2,000	4	8 000	60 00	25 00	27 00		Jan 26, $12; Sept 15, $10.	68 00
Eagle	500	1	2 200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	3 50	4 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M & M. Co.	75	16	1,200	825 00	—	550 00	$30		
Gould & Curry	1,200	4	4,800	600 00	1,125 00	1,1 5 00	$50		
Grass Valley	4,200	1	4,200	500 00	—	50 00		Dec 17, $3½; Mar 20, $10.	
Hale & Norcross	400	2	800	500 00	230 00	400 00		July 14, $50; Sept. 13, $50.	425 00
Imperial	184	—	4,000	500 00	141 00	142 00	$6	Dec 22, $12 50 per share.	2.0 00
Iowa	1,200	1	1,200	1,000 00	—	42 00		Nov 18, $1; July 16, $0.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	5 00		May 11, $3; July 19, $3.	18 25
Lacerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2 000	500 00	—	8 00		Feb 19, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	16 00	20 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2 100	100 00	30 00	31 00		Apr 9, $20; July 26, $12.	32 00
North Potosi	2,000	1	2,000	250 00	5 00	12 00		Jun 13, $12½; Aug 6, $12½	127 50
North American	4,100	1	4,100	300 00	25 00	26 00		Mar 23, $20. Sept 2 $2.	
North Ophir	1,600	1	1,600	500 00	25 00	30 00		Nov 11, $1; Mar 25, $5.	
Norlon	1,600	1	1 600	50 00	—	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16 800	500 00	310 00	325 00	$48		
Overman	1 200	1	1,200	500 00	—	250 00		June 7, $70; July 7, $20.	
Potosi	1,400	2	2,800	500 00	710 00	725 00		Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	2 00	4 00	$5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	1,220 00	1,250 00	$50		135 00
Sacramento & Meredith	3,600	4	14 400	125 00	—	—		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	20 00	25 00		Mar 8, $5. May 16, $10.	96 00
Spanish No. 2	1,600	1	1,600	500 00	—	10 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	70 00	130 00		Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	15 00	25 00		Aug 17, $ 0, June 17, $30	257 00
Yellow Jacket	1,200	1	1,200	1,000 00	380 00	410 00		July 21, $50; Aug 4, $110.	250 00

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	11 00	12 00		Feb 19, $25; Sept 14, $25.	102 50
Bamboo	600	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 60
Esmeralda	1,600	1	1,600	1,000 00	—	8 00			12 25
Falls of the Clyde	6,000	1	6 000	100 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,000	250 00	5 00	6 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 0, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	17 00	19 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	6 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,000	1	1,000	250 00	—	20 00		Jan 5, $3; Sept 3, $5.	19 00
Wide West	2,600	1	2,600	500 00	24 00	25 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000		3,600	600 00	—	2 00		Jan 29, $1; May 11, $1.	
Josephine	9,000	2	4,800	250 00	3 00	4 00		Oct 19, $3; July 31, 50c.	12 00
San Carlos			2 600	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	4 00		Sept 9, $2; Jan 0, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,080	1	1,080	100 00	15 00	20 00		May 21 $2.50; Ply 23 2.50.	14 00
Sheba	1,800	2	3,600	500 00	70 00	100 00		Mar 10, $10; Aug 12, $20.	62 35

REESE RIVER DISTRICT.

Amador	1,400							May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oregon	800	2	1,600	500 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	75 00	—		May 11, $10; June 25, $5.	16 00
Willow	2,800		1,400	200 00	—	—		Nov 21, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 28, $1, Sept 5, $3,	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Minor	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,020	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2 200	1	2,200	1,000 00	—	—		Feb 10, $30; Aug 23, $10.	150 00
Strado Guadelupe	3,000	1	3,000	1,000 00	—	—			9 00
San Marcial	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	200 00	—	—		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00		Jan 30 $2½; Jun 16, $1½	
Fellows	2,500	1	2,500	100 00	—	—			
Melones	3,000	1	3,000	50 00	10 00	13 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	—	75 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	—	25 00		June 18, $1; Aug 1, $1.	15 00

[From Mining and Scientific Press.]

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ANY'G—SALE.
Antelope, Esmeralda, $10	Oct 17—Nov 1
Asphwall, Lander co	Caution*
Astor, Gold Hill, $1	Sep 10—Sep 24*
Alameda Coal, $1	Sep 8—Sep 24
Alemania, San Antonio, $1	Sep 26—Oct 7
Aucho, Inyo, 10c	Sep 22—Oct 6
Apollo, R. R., 50c	Oct 1—Oct 20
Antiquarian, Lander co	Annual Meeting Oct 9
Buckeye and Old Hickory Cons., S. Cat., 60c	Oct 15—Nov 3*
Buckeye, Devil's Gate, $2	Sep 19—Sep 30
Baja California, San Antonio, 50c	Sep 22—Sep 28
Butte, Humboldt	Annual Meeting Sep 26
Big Blue Lead, Tuhire, $2	Sep 28—Oct 14
Bajazet & Gold Era Cons., $5	Sale Oct 8, Virginia
Enruside, Virginia, 50c	Oct 5—Oct 20
Big Canon, Tuolumne co., $3	Oct 1—Oct 13
Barreteros, Sinaloa, $5	Sep 28—Oct 11
Boston Copper, El Dorado co., $1	Sep 30—Oct 15
Bullion, $10	Virginia
Crown Point Ravine, Gold Hill, $1	Aug 30—Sep 24*
Citizens', Coal, Mount Diablo, $5	Sep 24—Oct 8*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Caldwell, Cove	Removal*
Cedar Hill T. & M., Virginia, 60c	Aug 27—Sep 12
Consolacion, Sinaloa, $2	Sep 11—Sep 26
Chrysopolis, Virginia, $1	Sep 5—Sep 20
Camargo, R. R., $1	Sep 1—Sep 17
Catalina Cons., San Pedro, 20c	Sep 5—Sep 20
Copp, Sierra, $1	Sep 17—Oct 1*
Chicago & Detroit, Amador co., 75c	Sep 17—Oct 1
Cordillera, Chihuahua, $1	Sep 21—Oct 1
Cortez, Lander co., $6	Sep 29—Oct 15
Central American, Gold Hill, $1	Aug 2—Sep 19
California, Virginia, $12.50	Aug 12—Oct 1
Codicia, San Antonio, $2	Sep 27—Oct 10
Central, No. 2, Virginia, $3	Oct 3—Oct 17
Cosala, Sinaloa, $1	Sep 30—Oct 12
Chihuahua & Western Summit	Annual Meeting Oct 1
Chicago & Detroit	Annual Meeting Oct 3
Colorado, Santa Catalina, $25	Sep 19—Oct 10
Caledonia T. & M., Gold Hill, $1	Oct 6—Oct 19
Crown Lead, Mariposa co., $1	Oct 9—Oct 20
Comstock, Lander co	Annual Meeting Oct 9
Comstock, San Antonio, 60c	Oct 8—Oct 22
Cosala, Sinaloa	Annual Meeting Sep 19
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Del Norte Comstock, 25c	Sep 18—Sep 30
Daney, Lyon co., $2.50	Oct 10—Oct 24
Dacota, R. R., $1	Sep 28—Oct 14
Dictator, Alpine co., 50c	Sep 24—Oct 1
Evoca, Del Norte co., 25c	Oct 8—Oct 24*
Eagle Quartz, Amador co., $2	Sep 10—Sep 26*
El Taste, Mex., $2	Sep 20 Sep 30
Eureka, Coal, Alameda co., $1	Aug 16—Sep 19
Eyla, Summit, 50 c	Sep 5—Sep 18
El Alamo de San Antonio, Lower Cal., 50c	Sep 10—Sep 24
Esperenza, San Luis Obispo, Sp. Meeting Sep 20 S. L. Obispo	
East Range, Humboldt, $8	Sep 28—Oct 18
El Tesoro, Lower Cal., $3	Sep 26—Oct 10
Evening Star, Humboldt co., $1.50	Sep 17—Oct 1
Ethan Allen, R. R., $1	Oct 11—Oct 26
Ellery, Lander co	Annual Meeting Oct 9
Elma, Esmeralda	Annual Meeting Oct 17
Fairview, Copper, Calaveras co., 40c	Sep 10—Sep 26*
Franco Americana, San Antonia, $1	Oct 10—Oct 26
Florida, Lander Co., $5	Sep 6—Sep 20
Fork, 25c	Sep 29—Oct 15
Gen. Jackson, Devil's Gate, 50c	Sep 24—Oct 8*
George Washington	Annual Meeting Sep 17*
George Washington No. 2	Annual Meeting Nov 17*
Gold Rock, Calaveras co., 50c	Sep 10—Sep 26*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Great Western, Keyes, Mono co., $1	Sep 24—Oct 8*
Goberuadora, Lower Cal., $1	Sep 3—Sep 17*
Goodwin, Simpson Park N. T., $1	Sep 7—Sep 22
Green, Gold Hill, $1	Sep 8—Sep 24
Gold Canon Cons., Gold Hill, $2	Sep 21—Oct 8
Gov. Nye, Alpine co., 50c	Sep 24—Oct 8
Great Cons. Boise, Idaho, $1.25	Sep 7—Sep 19
Gov. Seymour, R. R., $2	Sep 26—Oct 8
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Honest Miner No. 2, R. R., 62½c	Sep 3—Sep 17*
Heidelberg, Marin co., 50c	Oct 8—Oct 24*
Henry & Barnard, Weaver, 10c	Oct 1—Oct 15*
Humboldt Canal, Humboldt co., $3	Sep 17—Oct 5
Humboldt, Sierra District, $2	Sep 30—Oct 19
Hornitos	Special Meeting Sep 23
Humboldt T. & M., Humboldt co	Annual Meeting Sep 26
Independent, R. R., $1	Oct 8—Oct 23*
Illinois, El Dorado Canon. A. T., $2	Oct 1—Oct 17*
Illinois	Annual Meeting Sep 19*
Iowa, Esmeralda, $1	Sep 5—Sep 22
I X L, Alpine co., 75c	Sep 10—Sep 21
Isabella	Annual Meeting Oct 1
Irving	Special Meeting Sep 23, Virginia
Jewett, Gold Hill, $1	Sep 21—Oct 6
Jewel, Devil's Gate, $1	Sep 21—Oct 4
Josephine Quicksilver, Salinas, $5	Oct 7—Oct 18
Kanaka Quartz, 25c	Sep 19—Sep 30
Kentucky Copper, Madame Felix, 50c	Oct 3—Oct 22
Kohler Bros., San Antonio, Mex., $1	Sep 29—Oct 13
Logan, Arizona	Annual Meeting Sep 26*
La Candelarin, San Dimas, $2.50	Sep 24—Oct 8*
La Libertad, Cacachillas, L. C., $1	Sep 3—Sep 17*
Lady Bell, Low Divide, 20c	Sep 1—Sep 21
Louisiana, R. R., $1.50	Sep 12—Oct 1
Lady Bryan, Flowery, $3	Aug 21—Sep 10
Lolus, Gopher, 25c	Aug 31—Sep 21
Lily of the West, Esmeralda, 5c	Sep 14—Sep 25
Las Chureas, Lower California, $50	Oct 5—Oct 17
Legal Tender, Lander co., $1	Aug 9—Sep 24
La Fernandez, Hermosillo, Mexico, $2	Sep 26—Oct 11
La Blanca, Ures, $2 50	Sep 26—Oct 7
Las Cruzecitas, San Xavier, $6 25	Sep 26—Oct 8
Laura Johnson, Los Angeles, 50c	Oct 4—Oct 19
La Soledad, San Dimas, $1	Sep 10—Sep 22
Las Chureas	Annual Meeting Sep 14
Lucy Ella, Gold Hill	Sale Oct 18
Mejicana, Contia Costa, 15c	Oct 11—Oct 31*
Mosquito Quartz, Calaveras co., $2	Sep 10—Sep 26*
Mechanics', Clayton, 5c	Sep 21—Oct 8*
Maggie, Lander co., $5	Sep 9—Sep 29
Musidora, San Antonio, 50c	Oct 8—Oct 22
Maria, Chihuahua, 75c	Sep 24—Oct 8
Monte Cristo, Virginia, $1.50	Sep 28—Oct 14
Marin, Lower California, $3	Sep 24—Oct 8
Manzanillo, Sinalon, 25c	Sep 24—Oct 7
Mina Prieta, Ures, $10	Sep 23—Oct 5
Manchester, Monitor	Annual Meeting Oct 3
Mary Frances, Alpine co., 50c	Oct 10—Oct 22
Mina Rica de Las Flores, Calaveras co., $1	Oct 10—Oct 29
New Era, Cop., Tuolumne co., 50c	Sep 24—Oct 10*
North Star, R. R., $3	Oct 6—Oct 19
New Year Diggings, Tuolumne $1.50	Sep 10—Sep 24
North Potosi, Virginia, $12½	Sep 8—Sep 20
New England Cons., Santa Catalina, 5c	Sep 16—Sep 26
Nuestra Senora de Guadulonpe, Mex. $1	Sep 23—Oct 8
North American, $4	Virginia
New Hope, Lander co	Annual Meeting Sep 22
Ne Plus Ultra, Tuolumne co., 50c	Oct 8—Oct 22
Oxford Beta, Esmerpida, 50c	Oct 8—Oct 26*
Ossipee, Eldorado co., 5c	Aug 27—Sep 22*
Owens River, Inyo, $3	Sep 13—Sep 24
Overman	Sale Oct 6, Gold Hill
Providence, Nevada co., $1	Oct 22—Nov 5*
Porter, Virginia, N. T., $5	Aug 27—Sep 24*
Pena Silver, Lower California, $3	Aug 20—Oct 1*
Plumbago, Sierra, $1.50	Oct 13—Oct 27
Peylona, Virginia, $1	Sep 12—Sep 30
Providential, Lander co., $3	Sep 15—Sep 30
Pearl, Copper, Del Norte co., $25	Oct 2—Oct 12
Penole, Clayton, 20c	Oct 12—Oct 24
Peninsula, San Antonio, $10	Aug 25—Sep 2
Pacific, Esmeralda, 50c	Sale Sep 22
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Rose Linda, Alpine co., 60c	Sep 30—Oct 10*
Rhodes Diggings, Sacramento co., $1.50	Sep 10—Sep 24
Rising Sun, Clayton, 20c	Aug 21—Sep 21
Roxby, Gold Hill, 50c	Sep 21—Oct 3
Rose	Special Meeting Sep 24
Real del Monte, Esmeralda	Sale Oct 10
St. Paul, Lander co., 50c	Oct 15—Oct 29*
Salinas, Monterey, co., 20c	Oct 15 —Oct 29*
Seottle, La Paz	Annual Meeting, Sept 27*
Santa Cruz, Petroleum, 12½c	Sep 26—Oct 10*
Salamander, Calaveras co., 10c	Sep 17—Oct 4*
San Francisco, Moss Ledge, S. F. Dis., A. T. $1	Sep 17—Sep 28
Silver Creek	Annual Meeting Sep 17*
Silver Prize	Annual Meeting Sep 20*
Silver Prize No. 2	Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Sierra Nevada G. Q., Sierra co., 50c	Sep 3—Sep 17*
Sweet Vengeance, Yuba co., $1	Sep 6—Sep 20
Siskiyou, Siskiyou co., $1	Sep 10—Sep 24
Standard, Lander co., $1.50	Sep 13—Sep 28
Sierra, Genoa, $2	Oct 6—Oct 17
Sheba, Star City, Humboldt co., $10	Sep 12—Oct 1
Smith & Martin, R. R., $12	Sep 23—Oct 5
Smith & Martin, R. R.	Annual Meeting Sep 20
Seneca, Virginia, $5	Sep 2—Sep 23
Seneca, Esmeralda, 10c	Sep 14—Sep 25
Soloyome, Esmeralda, 5c	Sep 14—Sep 25
Sigel, Humboldt, $1.50	Sep 20—Oct 3
Scottish Chief, Humboldt co., $1	Aug 9—Sep 22
Silver Circle, R. R., $1	Sep 30—Oct 18
Sonoma Ledge, R. R., $1	Oct 7—Oct 21
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Sonoma, Cloverdale, 15c	Sep 8—Sep 28
Smoky Valley, Lander co., $1.50	Sep 24—Oct 8
Sierra, Genoa, $2	Oct 5—Oct 17
Stanislaus Copper, 25c	Sep 26—Oct 11
Tallulah, Sierra, $15	Oct 15—Oct 25*
Tiptop	Annual Meeting Sep 17*
Texas, R. R., $1	Sep 12—Oct 1
Teutonia, Gold Hill, 25c	Sep 16—Sep 29
Tecoripa, Hermosillo, $3	Sep 26—Oct 6
Tellurium	Annual Meeting Sep 22
Troy, R. R., $2	Sep 30—Oct 14
Toledana, Mariposa, 25c	Aug 22—Oct 1
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Lander co, $1	Sep 10—Sep 24
Union No. 2, R. R., $1	Sep 15—Sep 28
Union, Copper	Annual Meeting Sep 24
Uncle Sam, $100	Virginia
Utah, $5	Oct 8—Oct 22
Vealch, Clifton	Sale Sep 19
Wisconsin	Annual Meeting Sep 17*
White & Murphy, Virginia, $7.50	Sep 21—Oct 4
Washoe, Gold Hill $4.50	Sep 21—Oct 5
Wide West, Alpine co., 50c	Sep 24—Oct 8
Winnemuca, N. E. Ex., Esmeralda, $3	Sale Sep 28
Yuba, Brown's Valley	Annual Meeting Sep 20
Yellow Jacket, 11 per cent	Oct 4—Gold Hill
Yankee Blade, R. R., $5	Sep 16—Oct 3
Zenith, Calaveras co., 50c	Sep 17—Oct 3

Those marked with an asterisk (*) are advertised in this journal.

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.]

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

[Written for the Mining and Scientific Press.]

THE GREAT DECISION.

Editors Press.—Having survived a close perusal of Report of the Referee in the Gould & Curry and North Potosi case and reserved a synopsis of the same for a few comments, I find myself unable to lay hands upon the latter document and perforce can only attend to the leading and memorized ideas of the reading. Although financially unaffected by the decision, I feel a slight interest in the matter from the ecstatic commendation put forth in its favor, and the seemingly implied faith in the finality of the decree as affecting claims of a similar class with the North Potosi. So before it becomes an oft quoted authority of our courts, and ere the antiquity that clothes maxims and principles of law with the venerable robes of sanctity and trust, has spread its shadows around it, I may be allowed to throw a few words in the way of its Juggernaut-progress.

I would first ask the legal fraternity if ever in the annals of law's intricacies they knew the fate of property of so great a value decided upon the assumptions of so much hollow mockery of knowledge? If ever before weakly supported theories were considered transcendent to the legal requirements of evidence. Against the part that the talented Referee has taken in the premises I shall have little to say, because if a set of grannies should argue before him as to what quality of green cheese constituted the composition of our lunar orb, he might, in order to meet the arbitrary demands for a solution of an unsettled point decide in favor of Napa, A, No. 1; but certainly if actuated by a proper regard for what are generally supposed to be the charities of law, he would turn the evidence and theorists out of doors.

The main questions of the decision were two; first, whether the mass of clay lying between the respectively claimed lodes of the Gould & Curry and North Potosi companies really sustained the character of a wall flanking the west side of a lode claimed by the latter company or belonging entirely to the system of a contended solitary vein of quartz; and secondly whether an almost similarly situated stretch of porphyry constituted a wall rock or merely an intrusion amid the vein-stone? Without a great quantity of facts of a world-wide gleaning and more extended explorations of the Comstock vein, the ready solution of these questions, to an Alexander more anxious to unravel than cut the Cordian knot might seem little promising of a positive conclusion. But, perhaps, what was lacking in quantity was replaced by the quality, for several savans whose superior scientific abilities had pre-illumed what are now some of the darkest eclipses of silver mining, were brought forward to confound each other, and the less favored world, with their penetrative knowledge of quartz veins. The discernment and original observation brought to light it will be useless to detail—suffice the result.

It was decided by the Referee that the mass of clay was not the wall of a distinct lode, and that it was most probably produced by the friction of the porphyry sides of the seam against each other. Fragments of quartz and porphyry in the clay and markings on its sides are claimed to support the latter notion. Just fancy this grinding mill of vertical jaws, with every joint oiled and each part perfectly fitted to its place, the machine set in motion and regulated by the latest revised code of civil practice; and all the while a huge quartz lode with easy partings, delicately crystallized vein-stone and friable masses of ore remaining unscathed within a few yards of the ponderous grinders. When the next movement takes place may our savans and referees be there to furnish us with the full particulars. Why should there be any danger when the imp of the internal fires can conduct his convulsive operations so carefully and with such a nice discrimination as to anticipate the deep affinity of lawyers with all his works by preserving that now well knawed bone of contention—the Comstock lode. Of course it was not possible for the chemical or mechanical action of water to transpose the ingredients of the porphyry, of which clay forms more than one third the bulk and quartz another portion, not at any rate while lawyers take as naturally to fire as ducks do to water.

This decision also brands the intrusive or separating mass of rock as a "horse," a real Trojan deception introduced to allow of the sacking of the best quartz by other than the real owners. This portion of the decision rests upon the conjuction, at one or two points, of the otherwise separated lines of quartz. A learned gentleman from the East, whose scientific reports, from their proficiency in the simple rules of arithmetic, have astonished our native quartz miners and stock dealers, testified that the "horse" presented just such an appearance as would be given by a mass of porphyry falling into quartz in a fluid condition. It is our misfortune that the gentleman did not explain whether he had seen a parallel occurrence, or had merely ciphered it out.

As most veins are somewhere intersected in the line of their course, and according to igneous theory of the origin of quartz veins all such lines of matter must be connected with an inner depository, therefore, by the latest legal decision, all intervening masses of rock must be "horses," and the foundation of the world made up of hobbies which men are riding to their own aggrandizement. That is a huge "horse" separating the Comstock lode of Washoe from the Veta Madre of Mexico; so large that over it many a "mining" elephant may stretch its monstrous bulk. What a grand speculation it will be for some "Grooch Co." to purchase the interest of the owners of the first discovered quartz vein, and then charge upon the menagerie of stocks with a jubilant "Tally Ho!" or else submit their case to a referee.

In conclusion, I will suggest that in view of the liberal notions of evidence creeping into the mouldy chambers of the law, that hereafter the works of Andrew Jackson Davis, Munchausen, and all spiritualists should be accepted as standard law books. Pundit.

[Written for the Mining and Scientific Press.]

NEW YORK CORRESPONDENCE.

BY FRANK WANDELL.

New York, Aug. 10, 1864.

Editor of Mining Press.—I am on hand with another budget of news fresh from the Empire City. I doubt not but it may prove highly interesting to your numerous readers, and more especially to those who hail from this city. There is not much news stirring at the present writing, and most of the gossipers are out of town, enjoying the country air. The war news is as plentiful as ever, and quite as contradictory. One day a battle is reported in our favor, and the next day it is contradicted, and so it goes. It reminds me of the telegraphic dispatches which we used to receive in California; but I suppose the people do not go in such ecstacy over them as they formerly did, at least till they are confirmed. As to the state of

THE MARKET.

There has been more of a steady feeling in the Money Market, during the past week. Stocks, as a general thing, have shown more activity, and brokers of course feel in better spirits. Rail-road stocks have been the principal feature on the stock list. A large amount of shares having changed hands at greatly improved rates. Mining stocks continue rather dull, the fever for speculation seeming to run in another channel. There are any quantity of our Montgomery street operators here, "laying back on their oars," waiting for a favorable opportunity to place their wonderful and marvelously rich discoveries before a New York public. The time is anything but favorable for "showing them up" at present. I noticed among the passenger lists, that the president of the Pacific Board of Brokers had arrived here, but I have not as yet seen him. I hear that he comes on simply for the trip with the hope of improving his health. Such may be the case, although it looks very suspicious, during these times when so many are arriving, heavily laden with "feet" of all grades, from one bit to $100 per share.

Solon Cattie of Real Del Monte notoriety, who was formerly their secretary—the young man with a silent tongue, has also arrived. I suppose now that he has "raised a stake" by selling out what he held in that "famous bilk," for be it known he sold out at the right time, having had the "inside track." He can thus well afford to make a show, and splurge at our different watering places, this season. Wh wouldn't be a secretary and in league with the trustees, when there is a "good make" on hand? Don't all speak at once.

The Board of Directors of the Erie Railroad Company have passed resolutions of profound regret for the decease of their late president, Mr. N. Marsh, and have marked their respect for his services and memory by a record of the particulars of his long official connection with the road, from 1845 to the day of his death.

Prices continue extremely high, and what is more, they seem to increase instead of decrease. What poor people will do for provisions, clothing, etc., is somewhat of a problem to solve. It is to be hoped that this high price evil may be remedied soon, or the consequences arising from among the lower classes, will be very serious ones. Business is not very brisk, still there was a little more doing and a better feeling manifested towards the close of the week. Gold has of course been (as it always is) the chief feature of the Stock Board. It has taken its usual flights, during the week, and closed firm at 255—probably by the time you receive this it will be much below this quotation. I know bets to have been made that gold would reach 300 before the 1st of October—of course this is only mere prophecy.

EMIGRATION.

The number of emigrants arriving at this port, according to the latest returns, is at the the rate of 4,271 a week, or about 220,000 a year. Possibly, the gross emigration of the year will be something under this, but it is safe to reckon it at 200,000.

MOSES TAYLOR DECLINED.

I was in hopes that my much esteemed favorite, Mr. Moses Taylor, who had tendered to him the high and responsible position of Assistant United States Treasurer, at New York, *vice* Mr. Cisco, resigned on account of ill health, would accept of the same; but he has written a letter to the Department in Washington, declining the office, stating that he could not attend to the duties thereof, with advantage to the Government, on account of his own business, which necessarily occupied most of his time. It is a general regret by the business men of New York, that he was not able to accept of the position.

A HEAVY CONTRACTOR CAUGHT.

A man is now on trial before the Military Commission, at Washington, charged with contracting to furnish the rebel government with forty *millions* of dollars worth of goods, the contracts for which, signed by the rebel authorities, were found upon his person. It appears from the terms of the contract that the goods were to be purchased in the North, shipped to Nassau or Havana, whence they were to be transhipped to rebel ports, by blockade runners, and the payment therefor to be returned in cotton, by the same channel. It may well be said that this individual was doing the thing in rather an extensive way.

THE WEATHER.

The weather is very warm, and everything seems dried and parched. Rain is much wanted in the country. The little which fell a few days ago, did not do much good. If this drought continues, and failing of the crops ensues, it will prove a sad calamity indeed, and where prices would go to, is hard to conceive.

THE THEATERS AND ICE CREAM SALOONS.

The different places of amusement are doing a pretty fair business, taking into consideration the extremely warm nights; for a great many never visit them during the heated term. The ice cream saloons are doing the principal business. They are crowded night and day, and in many instances you have to wait to attain a seat, and that is saying considerable for a large city like this, with her hundreds of such places of refreshment.

THE LATEST NOVELTY.

The latest novelty, in London and Paris, is the Photograph Letter signature. Note and letter sheets are now gotten up with miniature oval photographs, of the person using them, affixed in the right hand lower corner of the last page, after the words "Very truly yours," which are printed in the usual place. They are getting to be quite as fashionable as the "*cartes de visite.*"

You will probably consider this quite a lengthy epistle, for such excessively warm weather as we are now experiencing, so with your permision, I will withdraw. *Au revoir.*

All Right and Tight.—Water was pumped into the hull of the Camanche on Sunday last, when she was found very tightly rivited and calked. A few unimportant leaks only were found, which are now being secured. Visitors to the city at this time should by all means take a look at this ship; she will be found in reality the greatest curiosity on the coast. Those visiting her will not fail to get the value for their money, besides adding to the fund for the wounded soldiers.

Rich.—The Blue Gravel Gold Mining Company, on Sucker Flat, Yuba County, made their fourth clean-up a few days since, after a thirty-one day's run. They realized the handsome sum of $52.000. The aggregate of the four washings has been $110,000. May their prosperity continue and increase.

Raising the Washoe.—Arrangements are in good state of forwardness for raising the Washoe. Chains have been passed under her bull, and fastened to barges along side. She will probably be raised sufficiently to be pumped out by to-morrow or next day, when she will be immediately towed down to this city for repairs.

The Iron Worker---Dignity of Labor.

The history of iron is the theory of civilization. The rough, shapeless ore that lies hidden in the earth folds in its unlovely bosom such a fate and fortune as the haughtier sheen of silver, gleam of gold, and sparkle of diamonds may illustrate, but is wholly impotent to create. Rising from his undisturbed repose of ages, the giant, unwieldy, swart, and huge of limb, bends slowly his brawny neck to the yoke of man, and at his bidding becomes a nimble servitor to do his will. Subtle as thought, rejoicing in power, no touch is too delicate for his perception, no service too mighty for his strength. Tales of fairy feats of magic, pale before the simple story of his deeds the facts of which they but faintly shadow forth. And waiting upon his transformation, a tribe becomes a nation, a race of savages rise up philosophers, artists and gentlemen.

Commerce, science, warfare, have their progress and their vicissitudes; but underneath them all, unnoted, it may be, or treated to a superficial and perhaps a supercilious glance, yet mainspring and regulator of all, runs by an iron thread, true thread of Fate, coiling around the limbs of man, and impeding all progress, till he shall have untwisted its Gordian knot, but bidding him forward from strength to strength with each successive release. No romance of court or camps surpass the romance of the forge. A blacksmith at the anvil seems to us a respectable, but not an eminently heroic person; yet, walking backward along the past by the light which he strikes from the glowing metal beneath his hand, we shall fancy ourselves to be walking in the true heroic age. Kings and warriors have brandished their swords right royally, and such splendor has flashed from Excalibur and Morglay that our dazzled eyes have scarcely discerned the brawny smith who not only stood in the twilight of the background and fashioned with skillful hand the blade which radiates such light, but passed through all the land, changing huts into houses, houses into homes, and transforming into a garden by his skill the wilderness which had been rescued by the sword. Vigorous brains, clear eyes, sturdy arms have wrought out, not without blood, victories more potent, more permanent, more heroic, than those of the battle-field.

Lack of ambition is not an American fault, but is too often an ambition that regards irrelevant and factitious honors rather than those to which it may laudably aspire. A mechanic should find in the excellence of his mechanism a greater reward and satisfaction than in the wearing of a badge of office which any filth rate lawyer or broken-down-man-of-business with influential friends may obtain, and whose petty duties they may discharge quite as well as the first-rate mechanic. The mechanic who is master of his calling need yield to none.—We would not have him like the ironmongers denounced by the old religious writer as "heathenish in their manners, puffed up with pride, and inflated with worldly prosperity"; but we would have him mindful of his true dignity. In the importance of the results which he achieves, in the magnitude of the honors he may win, in the genius he may employ and the skill he may attain, no profession or occupation presents a more inviting field than his; but it will yield fruits only to the good husbandman. Science and art give up their treasures only to him who is capable of enthusiasm and devotion. He alone who magnifies his office makes it honorable—Whether he work in marble, canvas, or iron, the man who is content simply to follow his occupation, and is not possessed by it, may be an artificer, but will not be an artist, nor ever wear the laurel on his brow. He should be so enamored of his calling as to court it for its own charms.

Invention is a capricious mistress, and does not always bestow her favors on the most worthy. Men not a few have died in poverty, and left a golden harvest to their successors; yet the race is often enough to the swift, and the battle to the strong, to justify men in striving after strength and swiftness, as well for the guerdon which they bring as for the jubilant consciousness which they impart. And this, at least, is sure; though may, by some rare mischance, be overlooked, demerit has no opportunity whatever to gain distinction. Sleight of hand cannot long pass muster for skill of hand. Unswerving integrity, unimpeachable sincerity, is the lesson constantly taught by the lives of these renowned mechanics. "The great secret," says one, "is to have the courage to be honest,—a spirit to purchase the best material, and the means and disposition to do justice to it in the manufacture." Another, remonstrated with for his high charges, which were declared to be six times more than the price his employers had before been paying for the same articles, could safely say. "That may be, but mine are more than six times better." A master of his profession is master of his employers.

Six thousand votes were polled in Storey county at the recent election.

THE HAMMER.

The following beautiful "waif," illustrating the power and magic of the most common implement of the mechanic will well repay a perusal, and will be read with peculiar interest while viewing the immense museum of industry now attracting to its precincts such crowds of our citizens :—

The hammer is the emblem of mechanics. With it are alike forged the sword of contention and the plow-share of peaceful agriculture, the press of the free and the shackle of the slave. The eloquence of the forum has moved the armies of Greece and Rome to a thousand battle fields, but the eloquence of the hammer has covered those fields with victory or defeat. The inspiration of song has kindled up high hopes and noble aspirations in the bosoms of brave knights and gentle dames, but the inspiration of the hammer has strewn the field with the tattered helm and shield, deciding not only the fate of chivalric combat, but the fate of thrones, crowns and kingdoms. The forging of a thunderbolt was ascribed by the Greeks as the highest act of Jove's omnipotence, and their mythology beautifully ascribes to one of their gods the task of presiding at the labors of the forge. In ancient warfare the hammer was a powerful weapon, independent of the blade which it formed. Many a stout skull was broken through the cap and helm by a blow of Vulcan's weapon. The armies of the Crescent would have subdued Europe to the sway of Mahomet, but on the plains of France their progress was arrested, and the brave and simple warrior who saved Christendom from the sway of the Musselman, was named Martel—'the hammer.' How simple, how appropriate, how grand—'the hammer.' The hammer, the saviour and bulwark of of Christendom. The hammer is the wealth of nations. By it are forged the ponderous engine and the tiny needle. It is an instrument of the savage and the civilized. Its merry clink points out the abodes of industry—it is a domestic deity presiding over the grandeur of the most wealthy and ambitious, as well as the most humble and impoverished. Not a stick is shaped, not a house is raised, a ship floats, or carriage rolls, a wheel spins, an engine moves, a press speaks, a viol sings, a spade delves, or a flag waves without the hammer. Without it civilization would be unknown, and the human species would become as defenceless as the brutes that perish ; but in skillful hands, directed by wisdom, it is an instrument of power, of greatness and true glory.

China at the Fair.—We now and then notice two or three "Celestials," moving leisurely about the Pavilion, and examining with much apparent interest the curious, ornamental and useful handicraft of the "outside barbarians," spread out there in such prodigious profusion. Some of our Chinese friends evidently take considerable interest in the Exhibition. Chy Lung & Co, 642 Sacramento street, have in the Pavilion the image of a huge monster, pretending to represent a Chinese lion, carved with characteristic exaggeration, and painted with a horrible deviltry, all lovely to Chinese eyes, but so disgusting to Christian view, we generally feel like giving it a wide berth when passing its locality. Nestled on the back of this queer looking object is a quantity of Chinese cotton also on exhibition, and near by, a show case well filled with neat and tasty articles of Chinese manufacture and art. Among them we notice several very pretty paintings on rice paper, carved boxes of various descriptions, elaborately wrought caskets, besides fans and other fancy articles. The Sanitary fund is not forgotten by this Celestial exhibitor, as he has donated for that object a curious and elaborately wrought Chinese lantern, and placed in the pagoda, on exhibition for the benefit of the fund, a Chinese temple in miniature, a rare and queer specimen of oriental ingenuity.

Live for Something.—Thousands of men, breathe, move, and live, pass off the stage of life, and are heard of no more. Why? They did not a particle of good in the world, and none were blest by them ; none could point to them as an instrument to their happiness ; not a line they wrote, not a word they spoke, could be recalled, and so they persisted ; their light went out in darkness, and they were not remembered more than insects of yesterday. Will you thus live and die? Live for something. Do good, and leave behind you a monument of virtue that the storms of time can never destroy.

Atwood's Self-Regulating Windmill.—In California, particularly in the agricultural districts, where irrigation is found the great essential towards the production of crops, where dependence must be placed chiefly upon windmills, a cheap and reliable motive power is a most important desideratum. Fortunately we are never without one of nature's cheapest and most universal powers—the wind. Ordinary windmills do not answer the purpose. They are too unreliable, and beyond the reach of ready control. The genius of our inventors, however, has not failed us in this particular, and among other inventions to aid the farmer, and to correct this fault, we have "Atwood's Self-Regulating Windmill," which most admirably answers the purpose desired, in supplying a cheap and uniform power for irrigating fields or for other uses requiring a limited amount of power. This windmill is a perfect self-regulator, and is capable of being adjusted to any desirable speed. It is so simple that any person, not a mechanic, can keep it in order. One of these mills is on exhibition in the lot on which the Pavilion stands—the only one there. The proprietor will take pleasure in showing to any one interested, the principle on which it works, which is quite new and ingenious. Visitors at the Fair, who may desire to procure some such cheap power, for irrigating gardens, ranches, or for other purposes, would do well to give Mr. Atwood a call.

A Curious Gift for a Minister.—Main & Winchester, among their articles on exhibition at the Fair, have an enormous long whip of great weight and thickness, which has been marked as being a "Pike county revolver," made expressly for Rev. Dr. Bellows, President of the Sanitary Commission. A rather curious article to give to a minister. The Doctor could crack a joke much easier than he could that ponderous whip, and he can hurt the rebels worse with his tongue than with such a weapon, which would require a giant to wield it.

Patronize Home Manufacures.—The Tehama Trunk Manufactory, James Longshore, proprietor, 307 Sansome street, exhibits a fine assortment of trunks, valises, etc. These articles are entirely of home manufacture, and one of the trunks is a most superb specimen, silver plate mounted and fastened. The stitching and finishing work, both inside and out, is done in a very superior manner. This trunk is valued at $300. He also exhibits a number of rocking horses, which are very much admired by the little folks.

Tay, Brooks & Backus exhibit a case of tin and Japan ware which, for elegance and taste of finish, cannot probably be excelled by any manufactory on the continent. Every article in this splendid case, which may be seen in the upper part of the pavilion, has been made at their establishment in this city, including the elegant copper urn, which is pronounced by all visitors to be an imported article. The Japan work is executed by an experienced artist in their employ. There are but six or seven experts at this business in the United States. The large Monitor cooking stove and fixtures, near by, was also manufactured by this firm, and is, so far as we can learn, the only description of cooking stove manufactured on this coast.

The Pacific Mail Steamer, Sacramento, sailed on Monday with 215 passengers for Panama, and $825,334 in treasure. The prices of passage were the same as before, to wit: Outside and ladies' saloon, $264 ; inside cabin, $238 ; second cabin, $184.35 ; steerage, $130.50.

The Camanche begins to assume quite a warlike appearance. The riviting of the hull is now fully completed, and all parts of the work are being vigorously pushed forward. The receipts at the gate for the Sanitary Fund, average about $45 on week days, and some $200 on Sundays.

A Bell cast in Sheffield (England,) weighing 1,500 pounds, has been hung in the Gold Hill N. T. Catholic Church.

An Important Invention.—Henricksen's Patent Chimney Top, a combination of the ventilator and consumer of smoke, is one of the most important inventions on exhibition at the Mechanics' Fair; as owing to its peculiar effects on the drafts of chimneys and smoke stacks, it aids combustion while increasing the amount of air in a most remarkable manner. The flue of the engine employed to drive the heavy machinery at the Fair has one of these invaluable inventions attached, where its appearance and properties may be examined. The engineer in charge of this engine informs us that until this top was fixed on the flue, it was almost impossible to keep a full head of steam, though the boilers and furnace were at an intense heat. But as soon as it was placed in position, though, the furnace was so cool that he could open it with his hand, and the quantity of fuel used was not more than half as much as it had been before, he found no difficulty in keeping up steam at a remarkably even pressure. A great many of these machines are used by brewers, foundries and steamboat owners, and all speak in the highest praise of them. Like all useful inventions, this is but a new application of a very old principle; one of nature's own laws. But Mr. Henricksen is entitled to the credit of first applying it. The great object gained by this invention—the consumption of smoke, will be of immense benefit to the people of this coast, by enabling them to use the peculiar kind of coal found here without the annoyance of the smoke it generates, when used with ordinary chimneys. J. E. Ferguson, 28 Third street, is the manufacturer of these chimney tops, where those interested may obtain every information concerning them.

Billiard Tables.—California is a wonderful patron of the billiard table. This game, in connection with chess, is looked upon by many as a great helper to mental attainments. Both require an active exercise of the mind, while billiards involve a small amount of physical exertion as well as philosophical calculation ; hence, the attention which is bestowed upon them in this State. Billiard tables are now being quite generally introduced into private residences among the wealthy, where they are made to accomplish their legitimate purpose. No city in the world, in proportion to its population, buys so many as San Francisco, and no where can we find more perfect or elegant ones than here. It is a source of much gratification that the chief portion of the tables now sold in this city are manufactured here by our own mechanics. Those who are interested in such things should go to the Pavilion and take a look at the splendid tables on exhibition there by Strahle, and see if there is any necessity for going abroad to purchase such luxuries. Mr. P. Liesenfield, who has taken two diplomas, also exhibits a table of his own manufacture. Jean Drouilhat, to whom the Mechanics' Institute awarded a diploma in 1860, exhibits a very elegant table finished in imitation of rosewood. M. M. Hughes also exhibits an elegant French carom table with Phelan's improved cushions.

Another Break Down.—About the same time with the occurrence of the above accident, Moore's Improved Howell's Rotary Crusher, which has been in progress of erection for several days, near the steam engine, was started up, for the first time in the Pavilion. It had, however, scarcely got into operation before the side walls of the machine were suddenly burst out, throwing off several large fragments of iron, one of which struck a gentleman standing near, upon the head, but fortunately without much force, and inflicting but a slight injury. We are informed by one party that the accident was occasioned by feeding too large a piece of quartz into the machine, while another informs us that it was the result of a hammer being dropped into it by the feeder. Either might have caused the accident.

A large number of miners are locating in the vicinity of Folsom, waiting for the Natoma Ditch Company to let in the water in their enlarged ditch. The *Telegraph* predicts that mining will be carried on more extensively this winter than for a number of years past.

A Freak of Nature.—Probably every visitor to the Fair has noticed the extraordinary bunch of pears, 59 in number, which were grown on a single stem of but eight inches in length, and some facts in connection with this unique work of nature, may not be uninteresting to the readers of the Press. This bunch of pears, weighing, when plucked from the tree, just 19 pounds, was grown on a tree in the famous Briggs' orchard, at Marysville ; it is of the Louise Bonne d'Jersey variety, which does not usually cluster while growing. Mr. Briggs' theory regarding the growth of this most extraordinary cluster, is that early in the spring, soon after the blossoms had set, and while the sap of the tree was in exceeding abundance, a slight frost killed nearly all the blossoms on it except those that produced this bunch, which were sheltered by a mass of foliage ; that as the tree continued to grow, the sap, which was quite sufficient to have supplied an ordinary crop, was concentrated in this one bunch, every pear on which is larger than usual with the variety. This theory appears to be well founded, for the tree, which is nine years old, never produced its fruit in a cluster before. None of the other trees in the orchard, of the same variety, made the slightest attempt to imitate this monstrosity. Mr. Briggs has had a photograph taken of this bunch of fruit, which, on the first glance, presents the appearance of a large bunch of grapes. An offer of $500 is made for the production of a similar bunch, with little danger of a taker, we think. The like has never before been seen, and probably never will be again.

Break Down.—While the people were standing around the Hydrostatic Engine, in the Pavilion, last evening, some one in attempting to carry a leading water hose through the crowd, created such a disturbance as to throw several persons off their balance ; one of whom, in attempting to save himself from falling, caught hold of the cam rod, by the handle, and lifted it out of its seat. The consequence was, the engine having no regulator, started off with a jump, and with such violence as to tear the driving shaft from its place, breaking the massive iron bed-plate in two, and turning the broken piece up on end. The bed-plate where it broke, measured about twelve square inches of cast iron. Fortunately no one was hurt. The tremendous force displayed in this break down, affords another evidence of the great power exerted by this machine. We understand that the engine will be put in running order again to-day, and extra precautions taken to guard against the recurrence of such an accident.

California Made Gold Pens.—Mr. W. B. J. Kenney, corner of Montgomery and Sacramento streets, exhibits at the Pavilion, a case of gold pens of his manufacture. Mr. K. has been a practical gold pen maker since 1837. These pens are used and approved of by great numbers of bankers, book-keepers, clerks, etc., who prefer them to the best imported article. They are now in almost universal use in all the leading mercantile and banking firms in this city. Try them.

The Heaviest Taxed Article in the Country.—It may not be generally known that lucifer matches are taxed more in proportion to their value than any other article manufactured in the United States. The new Revenue Law requires a stamp of one cent to be attached to every single box or package of these matches, which stamp is fully as much as the wholesale value of the article itself, an amount of taxation we believe no other article has imposed on it.

The Reese River *Reveille* says that a crime similar to sluice robbing in California, is rapidly coming in vogue in that neighborhood, and that is, the stealing of ores from the dump piles and inclines of the mines.

The San Francisco Branch Mint Superintendent has given notice that a tax of one half of one per cent. will be collected hereafter on all deposits of gold and silver bullion, in compliance with the Internal Revenue Act, approved June 30.

Mining and Scientific Press.

W. B. EWER, ... SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventors can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

San Francisco:
Saturday Morning, Sept. 17, 1864.

HOME FINANCES.

Monetary affairs have assumed no new phase this week, and the supply of capital for loan purposes is as abundant as ever. In view of the blighting effects of the early drought throughout the agricultural and placer mining districts of the interior, together with the almost universal collapse to the stock market, which recently overwhelmed so many dealers, it is a subject of some remark in financial circles that the money market is no less stringent than it was at this time last year, when the prosperity of all classes both here and in the country was thought to be equal to that of any preceding year in the history of the State. It would be idle to deny that a portion of the available means of many in this community has been lost through the inability of parties in the country to cancel indebtness due this city; while the losses upon the speculative arena of the stock exchange has been wide spread and severely felt in some quarters; and yet the money market has continued in substantially the same condition for months past, and good short paper passes readily in bank at 1½ per cent. per month. Loans upon mining stock collateral, are negotiable at the same rate, if the margin from current market value is made sufficiently large. Outside loans are effected at higher figures and are governed by the character of the security offered.

Eastern Exchange for the last steamer, was sold at 115 and 120 premium on gold for currency bills. Telegraphic transfers was current at former rates 5½ per cent. premium, and drafts payable in coin at 3½. The shipment of treasure was smaller than for sometime past, owing to there being no connecting steamer at Panama for Europe upon the arrival of the steamer from this side.

Legal Tender Notes have been largely dealt in this week, advancing from 45 to 46¾ and 47, at which rates some $100,000 were sold at the first Board of Brokers.

Gold declined on the 12th inst. in New York to 212, rose to 219 at the close of that day, and since then has closed at about 228.

"IF IGNORANCE BE BLISS, 'TWERE FOLLY TO BE WISE."—We thought of these words as we saw a number of beautiful young girls—perfect buds of beauty—of the sweet ages of from 15 to 18, who were collected around the strings of silk worm's cocoons on exhibition at the Fair. One "fair young thing," said they were dried fruits, but she did not know exactly of what kind, another said they were pea-nuts with the meats taken out, while a third declared them to be cotton seeds, as she could see the cotton round them, not one among them all appeared to know that there wrs such a thing as a silk worm, though most of them were dressed in the product of that insect's labor. The dear creatures were more happy and blissful in their ignorance than ever was sage or philosopher in his knowledge. If ignorance be such bliss' thought we, what folly it is to be wise.

It is reported that the Russian fleet in the Pacific had been ordered to rendezvous at Acapulco and salute the Mexican flag.

EASTERN FINANCES.

The absence of overland mail communication from the East, and the late arrival of the Panama steamer deprive us of later commercial advices than were received last week. A more careful review of Eastern exchanges leads to the conclusion that there are a number of causes at work in New York and other leading cities East, favorably influencing the condition of the money market and the fiscal measures of the government. The large disbursements of the government and the continued issue of six per cent. compound interest notes was tending to increase the volume of the currency and was facilitating the movements of capital, notwithstanding that a large amount of the legal tender fives of February and March were being withdrawn from circulation. There had been large orders from abroad for the 5:20 Bonds, and a rapid advance took place. An unprofitable and absurd rage for hoarding greenbacks had ceased, and this was enlarging the current of the circulation.

Gold had found a lodgment in the descending scale and as the telegraph has since advised us, has continued to decline.

The aspect of the military situation was becoming more hopeful, and business was reviving in many departments of trade.

Foreign Exchange, for gold, was below par, and it was difficult to sell sterling at 108½, at which rate a flow of specie from abroad was looked for. Money was abundant on Wall street at 6 @ 7 per cent. per annum, and lower rates were expected at an early day.

THE HUMAN VOICE, if very strong and sharp will crack a drinking glass. One evening, at a party at the London Coffee-house, Ludgate Hill, Mr. Broadhurst, the well-known tenor, by singing a high note, caused a wine glass on the table to break, the bowl being separated from the stem!

Alphabetical List
OF THE
NAMES OF EXHIBITORS AND ARTICLES
AT THE
Mechanics' Fair.

[The list will be made complete in our next issue.]

Anaheim, U—Three and one-half dozen California wine, and one-half dozen California brandy.
Appleton & Co., D. E., a case of cutlery.
Armes & Dallum, twelve dozen pails, three nests tubs, etc.
Atkinson, J—The model of a locomotive grate.
Atkinson, Mrs. S.—6 frames leather work.
Avery, E., a knit quilt; two quilts with figures of mariner's compass.
Authony, M.,
Alvarado, Miss Delfina, a picture in worsted, and a sofa cushion.
Aitken & Co., a marble center-table.
Adams, Dr., a case of zephyr worsted work, and a case of dentistry work.
Arnold, Fortunatus, three paintings in oil.
Adolph & Son, a case of imported tobacco pipes.
Allen, W, two specimens of scroll sawing.
Ayres, Dr W O, two cases of borax, refined and unrefined, from Lake county.
Adams, J Q, three pictures in pencil and water colors.
Abbott, C. L., a frame shell of moss-work.
Ames, Miss, a card of lace specimens.
Aram, W., two bottles white wine
Arthur & Son, J D., a reaper combined (Seymour & Morgan invention,) a model giant reaper, four cast steel plows, a pair of large elk horns, and a pair of small deer horns.
Andrews, C., a lot of furniture,
Asker, H., a robe made of guanaco skins, made by the Patagonian Indians, at the Falkland Islands.

Barrell, L. J.—Three bottles of California wine.
B. A. S., Mrs. a frame of ornamental needle-work.
Bertrand, R., one lady's skirt.
Belle, Dr., an apparatus for extracting teeth without pain.
Baxter, W. S., two crayon drawings
Bishop & Chalmers, a Scotch newspaper of 1707.
Beckford, D. R., three jars of eye-water and frame.
Blake & Co.—Two cases of military goods.
Bosqui & Co.—Samples of bookbinding and stock used in trade.
Brooks, R. F.—A case of hair-dyes and perfumery.
Baxter, W. H.—A patent churn.
Buswell & Co.—A show case containing specimens of bookbinding.
Brown, J. D., model boat (plunger).
Bausman W., two books, the first issued from the California press.
Bernhardt, B., needle work, framed.
Benoit, G., 1 daylight reflector.
Barker, J. B., the model of an excavating machine for ditches and levees.
Benoist, G., two samples of kerosene oil and three of crude.
Byrne & Castres one case Saleratus bitters.
Bewley, Mrs. M. L., an embroidered shawl pin.
Bell, Miss, two pictures in water colors.
Bunnell, G. F.—A case of dentistry.
Bartou Bros.—Two sacks of Carmen Island salt, and three selected samples of the same.
Brown, H. W.—A book of indigenous plants and flowers.
Barnes, C. A.—A child's embroidered dress, and two bottles of raspberry wine.
Bennett, Mrs. W—A parcel of fancy needle-work, chair covers—six pieces.
Barkhardt, G—A case of boots.
Bunner, Mrs.—One case preserved fruit.
Beebe & Lynda, Sacramento—A challenge washing machine.
Blum, J.—A specimen of penmanship.
Bayer, Mrs., Sacramento—A lot of bead, worsted and net work.
Blaisdell, S. F., San Francisco—Caloric engine, Roper's patent; four rotary pumps, invented by Stannard.
Barra, E. I., a small frame containing a piece of granite from Plymouth Rock.
Barnes, Mrs. C. A., a wine glass taken from the ship from which the tea was tossed overboard in Boston harbor, in 17—; also, a pewter tea pot, one hundred years old.
Bartling & Kimball, one ledger (blank book manufactory), two bibles, (to display binding).
Bell, E., a show case of anatomical instruments.
Brodie, J., the model of a patent amalgamator.
Bach, John, a show case of sportsmen's articles.
Bernhard & Wolf, a couple of shells.
Brooks & Co., C. W., two bags coffee; three kegs sugar; two kegs Metcalf; one barrel rice; one bale pulu; three boxes tapioca; five packages tobacco and cigars.
Brown, Mrs. E., an oil painting.
Brackett, M. s. E. M., a frame of crayon portraits.
Burrage, Mrs Aurelia, one pencil picture, a toy set of worsted furniture.
Bafter, Master F S, three framed specimens of penmanship.
Blasser, Mrs Adele, a crochet collar.
Brown, Mrs, one crayon fruit piece.
Burgess, H, six guides for cutting lead pencils, system of drawing in three numbers, system of penmanship in ten numbers, and one pencil drawing.
Brickwell, Mrs, a patch-work quilt.
Bien, Joseph, a combination lock.
Bacon, Louis, a plaster of Paris monument.
Brignardello & Bros., ten pieces of marble statuary.
Brown, Wm., three covered buggies.
Brooks, E C, a patent buggy.
Bessemer, H L, a case of cosmetic hair-oil; tooth powder and pomade.
Bibb, Robert, the model of a ship.
B. L. Solomon & Sons, a case of upholstery goods.
Baldwin, Miss L C, a case of hair jewelry.
Brignardello & Co, two boxes of San Francisco made macaroni.
Brydges, M C, four chimney tops; two ventilators and dampers.
B. P. Moore & Co., one lot walnut parlor and oak library furniture, reception chairs, wardrobes, inlaid marble tables, and school desk and chair.
Brayton, A. P., a "Peacemaker" stove, and a field coal burner.
Beth, J. M. a reducer and amalgamator.
Beale, Thos., one oil painting.
Behrens, Br., a tiger-skin buggy robe.
Berney, W, a patent circular saw filing machine.
B H Freeman & Co., a rosewood vase.
Burgess, H, a specimen of penmansbip, a pencil drawing, slate pencil sharpener.
Burgess, G. H., five water color pictures.
Bath & Morrison, a butcher cart
Brown, Mrs. H. S., a specimen of needle work.
Barbaries, Felix, a patent feathering paddle.
Brown, Miss B, a frame of needle-work.
Breidenstein, L, a show case containing fancy boxes.
Bower, G., one model fire-upsetter.
Barra, G. J., a half dozen blackberry cordial.
Brannan, Isaac, two bottles white wine.
Barnard, Charles, a giant loaf of bread.
Bragg, Robert, a test gag plank.
Brannan D., fifty-three pieces terra cotta ware and pottery, from San Antonio.
Bali, J. M., four specimens of wharf piles, perforated by the toredo.
Burke, J. E., a map and crayon sketch.
Brian, C. S., two packages of needle work.
Bryant & Strahan, a piece of carving in wood.
Burrows, G., an air pump (Richie's, of Mass.,) a telescope, from Pennsylvania, belonging to City College.
Brader, Louis, a sample of worsted work.
Brewer, W. B., a lot of canned fruit.
Bush, Norton, six oil landscape paintings.
Bateman, H. C., four specimens of book binding.
Brooks, S. M., fourteen frames of oil paintings and a bust.

Cutting & Co., Messrs., a stand containing samples of pickles, pie fruit, jams, jellies, ketchups, etc.
Congdon, G., three specimens gold and silver ore from Melones and Stanislaus Mining Co., Calaveras county.
Cavan, G., a ship joiner's banner.
Comfort, M., two vases of lilies in wax.
Calvert, Dr, a case of manufactured teeth and cerundum wheels.
Comfort, M. D., a boquet of wax flowers.
City College, a pencil drawing.
Copeland, W. W., a vase of wax flowers.
Cleary, Mrs, three specimens of preserved flowers.
Collins, D, an engraving.
Carduff, Miles, five oil on paintings.
Chase, G. W.—Six bottles of California horse-radish.
Churchill, J. H.—A coal oil test; stearic acid crystals, (new process;) bitumen in glass (new process).
Carlos, G.— hree saddles.
California State Telegraphic Company, fifteen telegraph instruments and telegraphic apparatus made by W. Lundberg.
Curtis, Mrs. M., four charts, for cutting dresses, pants and coats, four dolls and a doll chair.
Chamberlin, H. L., a crystallized water cooler
Clark, R. F., a pencil drawing, "The Scotch Gamekeeper."
Cohen, Mr.—A case of dried California insects.
Chadbourne, Mass—A piece of black lace.
Crowell, G. E.—Model of a house with furniture.
Campos, A. D.—A Mexican saddle.
Chipman, Mrs., a log cabin quilt.
Conrad, A, one writing desk chair, one shaving stand.
Cluver, H, a bag of specimens copper ore, from Bolinas, Marin county.
C. H. Hain & Co., an electric clock; a pair of sheep marking tongs; a turning lathe, and a pair of grape-cutting shears.
Cummings, G. J., a box of assorted fruits.
Chy Lung & Co., a case of Chinese fancy goods.
Canan, Mrs. W. S., a specimen of embroidery.
Christie, Mrs., five tidies.
Coyle, C., a racing boat.
Cook, R., a galvanized iron life boat.
Canseaur & Hobart, two tables of flowers.
Cady, L., a couple of specimens of quartz from the Potosi mine, Virginia City; a specimen of lava from the Sandwich Islands.
Chy Lung, a Chinaman on Dupont, near Washington street—A monster, carved in wood, and variegated with red, white, brown, yellow, black and green paints.
Chapman, Mrs. C. M.—One show case, containing hair coloring.
Clement, R. P.—Two sea-moss and shell frames.
Curtis, M—An express wagon for carrying pianos.
Clawson & Johnson—A patent churn.
Cummings, Mrs—A worsted picture, in frame.
Collin, Mrs—A tidy, the Quaker family, (a collection of images,) and one infant's robe.
Conrad, M D, two shell and moss baskets, framed.
Clark, Mrs P B, a vase of shell flowers, a case of moss-work in a shell frame.
Coppe, Victor, a child's bedstead in marble, a stand for glasses, a walking cane, a mirror, a bouquet holder, a small oval frame.
Clark & Perkins, Messrs.—Two cases of wool samples, of sundry kinds; also, a table of wool samples, of California manufacture; one case of Kerosene; three bales pressed wool.
Cook H. N.—3 leather hose, 1 blunderbuss, 3 sides leather.
Campbell, J. H. H.—1 lock.
Church & Clark—A frame of fire-works (blank).
Collins, Mrs. Alexander, San Francisco—Sea moss, framed—an ornamental picture.
Camp, Mrs. J. H., a piece of embroidery.
Chinmark, Moses, the model of a sliding bevel for ship joints.
Cameron, Whittier & Co., three mirrors.
Camp, J. H., a goblet made from the Hartford "Charter Oak," and a pamphlet.
Conroy & O'Connor, a patent pulley block.
Curtis, Mrs M L, fifteen pieces of furniture embroidery.

Dewey & Co., six volumes of the MINING AND SCIENTIFIC PRESS, as samples of newspaper printing.
Dubouque, E.—Three sigus.
Durkee, J. L., of Alameda county, a fireman's hat.
Dyer, W. D., fifteen photographs.
Drury, Mrs., glass case of down capes and trimmings.
Drouilhatt, two billiard tables.
Duquenry, J. B., a Corinthian capital of wood, a picture family frame of black walnut, and a Gothic oak panel.
Dyer, Mrs., a model water-wheel.
Drytown Quartz Mining Company, Amador county—A box of quartz specimens, gold bearing.
Doolittle, Mrs. M. A., one small vase of woollen flowers.
Dexter, A. G., two lever door-gongs.
DeYoung, Mrs. A., a crayon drawing of Gen. McClellan.
Dunn, John, a patent wine press.
Dunn, Peter—A case of riding boots.
Doane, Mrs.—A silk bed-quilt.
DeClair, Mrs.—Tapestry picture of Washington.
Durier, Charles, a pencil drawing.
Dewoo, Binsmore & Co., a model sugar mill.
Denney, Mrs. E., a case of tatting.
Daniel, John, a marble headstone.
Durier, Carl, double frame rural scene.
Deaf, Dumb and Blind, a show-case of bead and crochet work.
Dain, Miss Hannah T, a bible cushion.
Dickey, George S, a case of chemicals.
Dewey, J H, a patent churn; Wescott invention.
Doe, C. A., the model of a harvesting machine.
Dreyfors, A, four frames sample cards and penmanship.
Devancy, E., A pencil drawing.
Drury, Mrs., a frame of patent dress cutting charts.
Dutton, Harry—three pictures of flowers in water colors
Doolittle, Mr, three frames of penmanship.
DeCamp, Mrs Abbey G, a glass vase of shells and sea weed
DeYoung, C, a likeness of General Grant, in crayon, by M. A. DeYoung.
Dietrick, W. K., a case of hams, bacon and lard.
Dolliver, Thos., a case of boots and shoes.
Dennis, T. N., a picture in water colors.
Dunn, N. W, a rock drill.
Dr. Beers & Son, a vase of dentistry.
Dietrick, W. K., three boxes and one bag of bacon.
Davis, Hugh, 3 pumpkins, weighing in the aggregate 125 pounds.
Dolge, D., two of Talpey's Patent Self-feeding Handsawing machine.
Dunn, W. W., two cylindrical rubber sponges, of New York manufacture.
Despoix, F., fourteen varieties of grapes, and four of green beans.
Downey, J. G., eleven oil paintings.

Eureka Soap Company—Sixteen boxes soap.
Eastman & Keith, two frames of engravings on wood.
Englehorg & Wagner, a pyramid of cakes.
Elliott, Charles, a rotary steam and water engine, pump and water meter.
Easton & Bro., two French tables.
Eells, Mr., an oil painting.
Edouard, A, sixteen photographic pictures in frames.
Ensign, W F, one Lillie's monitor bank lock.
Ehrenfort & Co., two show cases of confectionery.
E. Downing & Son, one end spring covered buggy, and one side-spring ditto.
Eells, A M, a child's carriage.
Ellmaker, Mrs, an oil painting, four frames of moss-work, one piece of moss work, and two pieces of coral.
Eckel, L. G., a frame containing embroidery.
Edwards, G. W., oil paintings.
Elmore, M. G., a specimen of copper from Table Mountain, (Copperopolis).
Elseman, Miss R., a lamp mat.
Eells, R. L., the model quartz mill.
Ewing, Mrs. E., two bedspreads of Tapa cloth and a table cover woven from grass, from the Sandwich Islands.
Euler, H., a rosewood bureau.

Fletcher, Miss Grace, two water colored photographs.
Frick, A. J., a patent filling and packing machine.
Figel, Miss—A frame of needle-work.
Francis, F., a lady's work-box of California wood.
Folkers, J H. A., a case of surgical and dental instruments.
Fuller, O., an aquarium.
Fella, P.—Scripture quotations in a glass frame.
Field, S. W.—A shell what-not.
Felker, Miss—One box crochet work.
Foster, J. T., of the Cliff House—Three views of the Cliff House, a frame of mosses and a knit bedspread.
Farand, W. D.—A patent amalgamator.
Frazer, G. W., a breakfast shawl.
Free, W., three sections of suction hose; one pair suction spanners; a blunderbuss
Felt, Mrs, a silk quilt and silk cushion, in pencil.
Fubr, Charles A., a parlor set of furniture, seven pieces; a Turkish chair in black walnut, brocatelle.
Fitzgibbon, M E, two specimens wharf piles, submerged March 11th, 1864, taken up September 21, 1864, one of which was protected by Henry's silicious coating. A comparison instituted between the two.
Fletcher, C. A., five suits boys' clothing.
Fargo & Babco k, a shingle machine.
Field, Mrs., a frame of wax flowers.
Fennel, D., a pair of cavalry holsters.
From Fuca Straits, one specimen of coal.
Feukhausen, A., two kegs of liquors and thirty bottles bitters.
Ferguson, Mrs. M. H., frame of shell work, a basket of shell flowers, two leather work frames, one vase paper flowers, one of rosin flowers, one alum basket.
Foss, Mrs. Thora, a box containing four large chicken eggs.
Forney, Mark, thirty-eight varieties of pears, and nine of grapes.
Fish, Mr., three dozen large and small bottles.
Fisher, C. F., a card of hair jewelry and gold and ariz.
Gibbons, R., the model of a cannon, combining two improvements.
Guimaco, John, a table and specimen of stone flooring.
Green, G. W.—A specimen of penmanship.
Gender, Mrs.—Chenille work, in frame
Ghasky, Anna, Santa Cruz—1 shell what-not.
Goodwin & Co.—A lot of furniture.
Gelien, R. G., seventeen cases California tobacco, and a package of the same.
Glover, Geo. F. M., ornamental and fancy cut paper.
Gage, Miss M. A., an oriental table.
Gates Garden, a lot of aquariums, baskets, plants, etc.
Guion, G. W., two cases mechanics' tools.
Goodsell D. C. M., eleven models of boats, steamers, etc.
Golden, Thomas, a model panel for a brick house.
Glave, Mrs. D., a glass case of baby goods.
Garib, P. A., a specimen of penmanship.
Genot, S.—A specimen frame of seals and engravings.
Gaux, Mrs. G. B.—A dyed shawl.
Gibbs, A. G.—A specimen of iron ore, from the region of Portland, Oregon.
Gregg, W.—A pair of buck-horns.
Griswold, Mrs—A basket bed-quilt.
Gabbs, Miss—A glass case of artificial flowers and a frame of hair work.
Gilmore, Mrs. S. D., two tidies.
Ghirardelli & Co., samples of chocolate, cocoa, beans, prepared cocoa, cocoa shells, roast coffee, and ground coffee.
Graves & Smith, an anchor, in miniature, of copper taken from the Union mine, for Capt. Conklin of the steamer Cornelia.
Gleason, W. B., one vase and three pieces of carving in wood.
Gibson, H M, one crayon portrait and a crayon likeness of T. Starr King.
Griswold, Mrs M, one daisy lamp mat.
Greaves, W C, a chest of California wood, inlaid, the work of a sailor.
Gaston & Bro, four pieces of furniture.
Gerke, H, three bottles California wine.
Greves, H. F., a lot of wire samples.
Grannis, Mrs G W, a crayon portrait of General Grant.
Goode, Mrs. M., one bed quilt and three tidies.
Gender, Mrs., a frame containing an agricultural wreath.
Goders, J. B., twelve bottles of washing fluid.
Gray, W. V., two pictures.
Grathen, Mrs., specimens of fine washing.
Gelien, Mrs. Emma, specimens of bead and crochet work.
Gallagher & Wood, two moulds of brass sheathing nails.

Hallidie & Co., an improved wire rope machine, and lot of California made wire samples.

Hartman & Co., H., a set of parlor furniture, mirror, table stool, etc.
Hatchcock & Co., G. B.—Five sets blank hooks.
Hilton, Mrs. S., one rag ottoman
Harvey, Mrs. B., fancy needle work, shirt and chemise.
Huntington, H. L., a bundle of sawed shingles.
Hunter, Mr., a concentrator, amalgamator and separator.
Higgins, S. C., model of a house; on paper; 1 mechanical drawing; three Grecian paintings; 2 pieces worsted needle work (pictures); 1 moss wreath; 1 piece of needle work.
Hinkle, H.—A map drawing.
Hylton, B. D. M.—A hair wreath, in frame.
Holloway, L.—A gang plow, patent hames and horse collar.
Hodgdon, Mrs.—A shell bonnet.
Horner, J. M.—Two washing machines.
Hobson, H—Eight pencil drawings.
Harris, Jerome—A model brig.
Heald, E. P.—Three specimens of penmanship.
Harrison, W W, a case of feather pictures, and a photograph engine of the Kearsarge.
Hall, Mrs H, a case of fancy needle and silk embroidery.
Higgins, T J, a plain photograph of T. Starr King.
Harris, R L, model of an improved car turn-out, with car for horses and mining railroads.
Hofer, H. G., a large mirror, thirty-six by sixty-six.
Herzer, H., a case of assaying implements.
Hamburg, Augo-t, nine pieces of furniture, consisting of a dining room set, two double chairs, one piano stool, one reclining chair and a wardrobe.
Hunter, A., a patent grain separator.
Harvey, Mrs., n show case containing a steel-bond cushion.
Hawley & Co., seven plows, a Buckeye mowing machine.
Hotchkiss, T. B., a patent butter worker.
Hill, S., a lot of Florence sewing machines.
Haynes & Lawton, two cases containing china and glassware, imported.
Halstead, J., a cider and wine mill.
Hoskin, Richard, two hose-couplings for mining purposes.
Harrison & Co., W. P., a card press and specimens of printing, plain and in colors, for competition.
Hayes, C. G., a wreath of worsted flowers, framed.
Holt, Warren, two school desks.
Ramma, P.—Twenty jars of snuff and tobacco; one package tobacco in paper.
Hough, D. E. 113 varieties fruits.
Hoyt, H. C., a skeleton boat model.
Hopkins & Johnson, a 2-stamp prospecting quartz crusher.
Horicksan, B. A., four patent chimney tops.
Hendy, Joshua, a gang circular saw mill; n heavy piece of machinery erected in the main hall of the Pavilion.
Hucks & Lambert, samples of axle-grease, turpentine, pitch and rosin.
Hall & Co., E. G.—A case of re-cut files.
Hoie, H. R.—A gang plow.
Harrison, C. H.—A large wrecking pump; one ditto of smaller size; two small eccentric ditto; pumps and engines (centrifugal).
Hopkins, H. L.—An amalgamator.
Hughes, George—Seven drawings.
Hill, Mrs. S. J., San Francisco—A French calico quilt.
Hough, E. F., the model of a self-regulating windmill.
Hill, Thomas, fourteen oil paintings, landscapes and portraits.
Hittel, John S., two bottles of red Annheim (wine,) vintage 1861.
Hodge & Wood, three copying presses, (Hoes', New York).
Holland, Miss Lizzie, four worsted vase mats.
Hunstead, J. B., a case filled with art specimens of wax.
Haraszthy & Glovunna, four dozen Sonoma wines and brandies for competition.
Hopkinson, Mrs M C, Herald of Freedom, of 1789.
Haight, A J, a case of California manufactured gold pen.
Harmstead, J B, nine wax-work pictures in frames.
Holmes, M F, a covered buggy.
Herman, G, a case of stuffed birds and a coyote.
Heald, John, a case of dentistry.
Hobbs, Gilmore & Co, one sample of E D Wilson's Los Angelos wines and brandies.
Handley & Co., one lot Sonoma champagne, Sutter hock farm wine, and brandy bitters.
Hall, Mrs. M. J., two bars of copper, one of Galena; a copper condensor.
Hughes, M F, n billiard table for competition, and to be sold for Sanitary Fund.
Horner, Mrs. J. C., a basket of wax fruits and vase of flowers.
Heydnrn & Peterson, n reclining and amalgamating machine, and a separating machine.
Henderson, W. O., Afghan crochet work, in imitation.
Holt, W., a camp stool.
Holland, Mrs. Nathaniel, the famous Sanitary Commission "Skating Pond."
Hansbrow & Redding, a hydrostatic engine of fourteen horse power, and the model of n ditto.
Hounsbrow, T., a California pump, six do., and a model that took the prize medal over one hundred and eight competitors, at the World's Fair, London.

Industrial Drawing Academy, nine mechanical and architectural drawings.
Isaacs, C, n frame of shell-work and a pastoral sketch.

Jewett, Jarvis, an artificial leg (Palmer's patent).
Johnson & Reay, a rotary pump, a double-action pump and a chimney cap.
Jones, E. V., a wreath of flowers, framed.
Jones, Samuel—A fire proof safe.
Johnson, C. G.—Copper specimen.
Jamestown, Iron—A box of quartz specimens.
Jones, J. T., a yacht model.
Jacks, D., a box af white sand, same as used by glass blowers.
Johnson, A. P., thirty-nine frames of photographs, plain and retouched.
Johnson, N T, six paintings in water colors; a fruit piece in oil; two heads in pencil, and four in India ink.
Jobson, Mrs E, a frame of wild flowers.
Jacobs, S, a specimen of Worsted work, Joseph and David before Pharoah.
Johnson, E B, the model of Novelty amalgamator.
Joseph Bros., one case containing a silver figure of agriculture, and seventeen gold buckles, one of which is set with valuable diamonds.
Jump, Edward, his comic lithographic picture of distinguished characters at the Fair.
Josephino, Miss Anna, a chair tidy.
Johnson, T. R., a case of Masonic and Odd Fellows regalia, and a case of military goods.
Johnston, J H., two dozen ale, pints; half dozen ale, quarts two dozen porter, pints; half a dozen porter, quarts.
James Meeker & Co., a patent spoke-boring machine.
J. Joseph & Co., three strands of boys' clothing
Jackson & Johnston, samples of California cotton, and a cotton gin.
Jessup & Co., W. H., n show case of boxes, California matches, a glass sample case.
Jewett, Jarvis, two artificial legs.

Knapp & Co.—Two cans of Oregon turpentine.
Kellogg, Dr. A., a case of specimens of electrotyping.
Krause, Mrs., an embroidery rug.
Krietz & Cosble, thirty-seven horse-collars.
Kimball & Co., G. P., carriages and buggies.
Keene, C. C., n show case of lutinas, banjos, etc.
Kohler, A.—A parlor organ and case of musical instruments.
Kruse & Guler, a specimen of copper ore from Union mine, Del Norte county.
Koehler & Frohling—Wines and liquors.
Koehler, Anguet—A show case; trusses and braces.
Kimball & Theyer, the model of a schooner's hull.
Kendell, S., two patent pans for working gold; one model of an improved sluice.
Kimball & Co., G. P., a London Park Phaeton.
Korr, James, a crayon drawing.
Kibbo, Wm. C., an embroidered sofa cushion, of elegant style.
Kaltschmidt, Oscar, five water color paintings and a sketch in India ink.
Kalschmidt, Oscar, eight portraits and one landscape, in oil.
Kenney, W B J, a case of gold pens.

Krause, G H, three bottles of red California wine.
Koch, W., an oil painting.
Kaltschmidt, Oscar, three water color paintings, an India ink drawing, and three paintings on ivory.
Kittredge, Jonathan, one burglar-proof Monitor safe; one do do with Isham's patent locks.
Krasker, M, two specimens of penmanship.
Keller, M, a dozen bottles assorted California wines.
Kimball, G. P., a patent clothes pin, from Vermont.
Knapp, Burrell & Co., California raisins of 1864, made by M. R. Miller, of Solano county.

Lawrence & Houseworth—A case of optical instruments; stereoscopic goods and cutlery.
Lewis, R. J., five pieces burr work.
Long, Mrs. Mary Jane, four bead baskets, made by a blind girl.
Locke & Montagne, a lot of kitchen furniture.
Lissenfelt, P., a billiard table.
Lewis, Mrs. M. A.—A knit quilt and specimens of chemise embroidery.
Legay & Co., a case of hats.
Lovegrove, Geo. H., a what not and two picture frames.
Lawrence, A, a show case containing bead work
Livingston, Mrs., Redwood—1 frame leather work.
Linden, Harry—One sheaf of Neopold barley, grown by J Decke, near Oakland.
Lincoln, Mrs. N.—An ancient deed of sale, framed.
Lawrence & Houseworth, four stereoscopes, two California views, and two foreign views.
Lobenin, E F, a case of stuffed birds and two cases of insects.
Loomis, Pascal, a frame containing specimens of wax engraving.
Lask, Van L, a dozen California broom.
Longshore, J, one trunk and valise, (for competition); six valises; two Saratoga trunks; two sole-leather ditto, one folio trunk; one packing ditto; one concealed double trunk; one common valise.
Lamb, F B, one sheep shearer, one coffee roaster, and one washboard.
Lorquist, E. F., a stuffed eagle.
Lull, G W., a frame containing an agricultural wreath.
Lull, Mrs G W, an agricultural wreath, framed.
Leaphart, Francis, three boxes of chemical olive soap.
Levy, Mrs., two vases of feather flowers.
Lekins, Miss M, a show case containing gilding on wood.
Love, Mrs H. S., a needle-worked cape, a handkerchief case, and a sampler.
Lang, Mrs., a case of ladies' caps.
Lamb, P., a damp regulator for steam boiler furnaces.
Lissenfeldt, P., a billiard table.
Lawrence & Houseworth, a lot of stereoscopic California views, with camera of home manufacture; foreign views ditto.
Luthrop, Mrs., two tidies for the Sanitary Fund.
Lowell, M. D., a wind-mill pump.
Lind, A., n water wheel.

Miller, H.—Three double driving bolts; two pieces of water hose.
Morrell, Charles—Two banjos.
Marwedel & Otto—A foot lathe, of California invention; one door with patent bell hinges.
Martin & Folger, samples of spices, coffee, etc.
Moses, Ellis & Co., one brie double crown paper, six reams do., six reams single do.; twenty bundles straw, board, etc., from San Lorenzo Paper Mill, Santa Cruz.
Mayer & Son, T. C., a lot of furs
Mezzura, P., three busts, one statuette, one medallion, one case cameos.
Mangorini, D., five statuettes, four medallions, one bust.
McDougall, Mrs. A. C., two shell frames.
McKoon, A., a wire and straw bee-hive.
Monneck & Co., samples of wood and paper boxes.
Mallon & Co., John, twenty-one pieces of cut glass, framed and unframed.
Mojica, D., a specimen frame, veneering in rosewood.
M. Carpena, of Union College three water color drawings, one crayon sketch.
Mulney, Mrs. R. A., (87 years of age,) three pieces of needle-work.
Manchester, B., a shell frame.
Milrose, Zorn & Co.—Two cast iron burial caskets, two umbrella stands, one steal guage, one steam counter, three patent measurers, and one box India rubber samples.
Morton, G. M.—The model of an amalgamator.
Modena, F. P.—Seven frames of chenille and worsted work.
McDougall, J. T.—Five bars of copper and a bag of copper ore.
Morton, W. H.—An improved weather vane.
Maxwell, Mrs—A paper of box quilts and knitted work.
Metal & Son—3 rockinghorses.
Maxwell, Mrs.—One case of crochet work
Moody, W. G., a lot of copper ore, Nacasari District, Sonora, Mexico.
Miller, H., two rolls of kip leather, one of calf, in imitation of French manufacture.
Moffat, W. P., a portrait of Burns, by Nasmyth.
McFarlane & Filmu, a couple of horses' hoofs, showing the superiority of their shoeing.
Miller, J. M., a patent bee hive.
McCourtney, J F, three crayon pictures and one photograph.
Matthiew, Mrs, thirteen pictures in water colors.
Morgan, Elinore, a portrait of Christ in worsted-work.
Morgan, C, a water color picture of flowers.
Mandeville, E, a 40-inch extra bellows.
Marion, S, two models of ships.
McLennan & Grisar, six bales of wool.
Muller, A., one lot furs, capes, robes, skins, muffles, etc.
McGucken, Miss Rose, one quilt made by a girl ten years old.
McAuliff, F. T., two samples of polishing in imitation af rosewood.
Meyer, I. G. H., a case of billiard balls, ivory work and walking canes.
McDonald, Mrs., a vase of wax fruit, a case of hose made of dog hair.
Mission Woollen Mills, four cases of woollen goods.
McKinley, Mrs., two velvet ottoman covers.
Mason's Brewery, a hogshead of XXX stock ale, one ditto of XXX porter; one barrel of porter, three years old, and one ditto of cream ale.
May, Miss Ida, a sofa cushion.
Mission Woollen Mills, four boxes blankets.
Marsh, Mrs., needle-work, Japtha's Daughter.
Montezun, A., case of preserved eggs, three years old.
Mendoza, A., gold buckle and ribbon.
Meyers, Robert, a case of California stuffed birds; two papier mache portfolios, three do. do. tables, a glass shade and groups of figures; a weather house.
McPherson, Mrs., a sample of woman's walking dress, latest fashion.
Mena, J., a specimen of silver ore from the Maria Silver Mining Co., San Antonio, Lower California.
Mason, J. W., a water colored picture.
Mojisia, D., n guitar.
Mason, J. W., a picture in water colors.
Miller, G an improved feathering paddle.

Norcross, Mrs. H. M., a gimping machine.
Nahl & Bro, a lot of photographs, paintings in water colors, and India ink drawings.
Nevins, Mrs. T. J., a child's bonnet, made of pine leaves.
Norcross, Mrs. H., a case of fringes, cords, tassels and buttons, of own manufacture.
Norcross, D., large standing show case of Masonic and Odd Fellows' regalia, flags, etc., of San Francisco manufacture, and a case of military goods.
National Guard, two pictures, "War Roll" and "Flag Presentation."
Newman Bros., a case of California-made brushes and a boiler-flue brush.
Neagle, S. F., harness cask (for ship use,) and one cheese press hoop (encircling the mammoth cheese.)
Northey, Mrs. H. H.—A quilt.
Nagle, G., a photograph.
Nulz, F, a banner painted on silk.
Neall, Mrs James, one plate of fruit.
Notting, H W, four specimens of artificial flowers and two of needle-work.
New York Brewery, (Hunneberg & Co.,) two kegs prime lager beer.
Newman, C., a patent kerosene lamp.
Newman, C., a dozen patent sealing fruit jars; one dozen and a half specimens preserved fruit; one patent box for collecting fares.
Nester, John, Brown's papeat metallic weather slips.
Neil, Mrs. James S., California leaves in the anatomy.
Nile & Kollmeyer, seven oil paintings.
Neall Mrs. James, a frame of wax and phantom flowers, or flowers in the anatomy.
Neall, Miss Lilly, (nine years of age), a specimen of crochet work for competition.

Osgood & Stetson—A lot of tinware.
Occidental Hotel, a case of minerals.
Overmayer & Rappold, a show case containing boots and shoes.
Occidental Hotel Laundry—One case specimens of laundry work.
O'Hare, J., a lot of evergreens, green house plants, dahlias, verbenas and bouquets.
O'Conner, J F, a fruit piece.
Otto, F, seven pieces of wooden mouldings, a book on moulding.
O'Brien, M., a butcher's cart.
O'Hare, S., a plate of large sized apples.
O'Donnell, W., twenty-eight varieties of apples, twenty-eight do. of pears, two bottles white wine, two do. red, two do. peach brandy, one pear do., and one of apple do.

Prime, S—The model of a ship.
Page, N.—Eight piec s of redwood.
Perkins, D. L. 101 bottles California seeds, five varieties corn in ear, and a squash in good preservation, of 1861.
Patterson, John, twelve medallions and two busts.
Plate, A. J., a show case of guns, pistols, etc.
Pendegast, J., a hot and cold shower bath.
Patterson, J. D., two spanish merino fleeces, and one card sample of wool.
Perez, Antonio, four shell frames; one shell basket; one shell what-not; one pair white shells.
Peet & Son—Two Mexican saddles.
Pollock, James—A chess table.
Pfeiffer, E. I.—1 pencil drawing.
Popper, Miss—1 buggy robe.
Paine, C. A., Petaluma—1 bailing press.
Parker, Mrs. M. H.—Two cushions, crape and chenille.
Paulmson, Henry, San Francisco—4 fresco paintings.
Price, J., Petaluma—Hay press.
Peck, G. H., and G. Vernard, samples of a steam boiler cleaner, an antidote for scales and incrustation.
Pearson, Miss, a specimen of penmanship.
Pacton, Wm., an architectural drawing.
Parker, Mrs M, a knit quilt.
Parker, J W, a drawing of the Gould & Curry Mill engine.
Paine, H J, a case of dentistry work.
Prevost, L., a lot of California silk on paper, one lot on reel, one lot of cocoons, one lot of silk worms.
Pollard & Moore, a covered rockaway
Porter G K, five cases boots and shoes.
Prater, E. B., a concentrator.
Plummer & Co, five bags of salt; four smaller sacks; samples of the same.
Paltengai & Larsenmeier, nine specimens statuary.
Price, M., a case of cutlery.
Pfaff, Geo., three flutes and two clarionets.
Plummer, C A, two pencil drawings.
Pitzinger, Miss Eliza A, a frame of shell work, made by Mrs W N Slocum, of Santa Cruz.
Pratt & Co., a churn.
Page, W., nineteen pieces of sugar pine lumber.
Paine, G. G., a model window blind.
Patton, W., an architectural photograph, Church of the Pilgrims.
Pinkerton & Sherman, samples of machine planing and heading pickets for fencing.

Quick, J W, a couple of perforated quartz mills, a flouring mill and smut screens.
Queen, Mrs—A crochet bed-quilt.

Reid, H.—Eight silver specimens from the Cordillerin mine Mexico, and three ingots of silver and copper from the same mine.
Rice, Z., one case containing lock, keys, stencil plates, etc.
Roos & Wunderlich, one case of artists' materials.
Robinson & Snow, fourteen engravings and chromo lithographs, in frames
Read, Miss, an apron.
Ransom, L., three pencil drawings.
Rudolph, W.—One gun, in case.
Reed, John—A Whitehall boat.
Ryder, Mrs. J. T.—A frame of woollen work.
Ramsdell, P. H.—Two specimens of coal from the Black Diamond Mine at Mount Diablo.
Rice, C. R.—One parcel manufactured horse-shoes and shoeing hammer.
Rosenblat, Mr—A show case containing laces and fancy goods
Regues, Mrs., a piano stool, pin cushion, lamp-mat, and a piece of embroidery.
Russ House Laundry, a case of laundry work.
Roberts, James, a fruit piece, in oil.
Rotnazi, Mrs Amelia, two crayon drawings.
Rosenwig, Mrs, a specimen of worsted work in a gilt frame
Rosenthal, Toby, three views of the taking of Sebastopol.
Russell & Irwin, one show card of locks and door furniture; a fire and burglar-proof sideboard; one ditto combined, and one specie vault.
Randall, P W, a chess table of papier machie.
Reeves, T., an improved oil globe, a California invention
Ruggles, Mrs. A. H., a hair wreath in a frame.
Reynolds, L. E., twenty-five arithmetical drawings.
Roberts, M R, nine Italian oil paintings.
Ross & Wanderlich, fifteen pictures in frames.
Risdon, Mr., a self supporting pulley.
Reed, T., a model of a life boat.
R. Liddle & Co., a show case containing guns, pistols and sporting articles.
Roullier, Henry, three pencil drawings.
Rawson, Mrs. J. A., a crochet counterpane, an opera shawl, two tidies and a couple of nock collars.
Ramsdell, P. H., a specimen of coal.
Rappenthal, J. C., a six hundred gallon wine cask.
Ricci & Co., twenty-four bottles assorted punches.
Ridley, Thos., show case of gold and silver leaf.
Root, W. D., a patent tire-upsetting machine with a pauober combined.

Stoddart, David—A steam pump of California invention; seven of Gifford's injectors; a blacksmith's drill, California invention.
Schumann, H.—A show case of pipes.
Salmon, J. W. C.—An amalgamator and a churn.
St. Louis Brewery, two kegs of lager beer.
Smith, M. C., a specimen of penmanship.
St. John, B. G., three pictures in water colors.
Swaine, J. H., a case of boots.
Sack, J. C., a case of optical and mathematical instruments.
Stewart & Co., J., samples of rosin and turpentine.
Shaw, S. W., nine oil paintings.
Simms, John, a specimen of copper ore from Fall Creek lode, Josephine county, Oregon.
Searls & Co.—A, a lot of buggies.
Steele & Co.—Twenty-nine trunks, five valises, and twenty-two bags and satchels.
Swain & Co., R. A.—A lot of glassware and china.
Smith, A. J.—A brass and copper force pump.
Sessions, Mrs, J., two frames of sea moss, one frame of hair work, one card crochet-work.
Scheidell, C. W., three tidies.
Sweet, S., a box of natural leaf tobacco, grown by Larco and Williams, Tulare county.
Souther, Mrs., two quilts.
Short, Mrs. L. H.—Five pencil drawings.
Sherman, B. F.—A cotton quilt.
Sternberg, Mr—A pencil drawing.
Storm, Jacob—A pencil drawing.
Simons Mrs—A frame of hair work.
Sichel, Mr—A box of hair tincture and hair dye.
Saunders, Mr.—Two improved whiffletrees.
Stevens, J., Redwood City—1 Monitor washing machine.
Scovill, J.—A portable clamp drill.
Steele Brothers, Pescadara, Pigeon Point, Santa Cruz county—A cheese, weighing 3,500 pounds. For the Sanitary Fund.
Sikes, Z., Santa Clara—A roller and grain drill.
Sanford & Co., T. G., a lot af men's clothing and a worked buggy robe.
Swain, Miss, two crayon sketches, one oil painting.
Simmons, S, D., an egg and cake beater, and piece of needle work
Standard Soap Co., a number of samples of California manufactured soap.
Salamon, Miss L., one embroidered skirt and sleeves.
Snyder, Mrs. J. H., a shell whatnot, to be hung in a room corner.
Strauss, Miss L., one piece of woollen work; a rug and three tidies in bead work; a beadwork cover for steel.
Spaulding, N. W., two patent toothed circular saws.
Simmons, Mrs. Hannah, a picture of Ruth and Naomi in worsted.
Shaw, Jacob, ten frames cartes de visite, and fourteen photographs.
Snyder, Mrs., three oil paintings.
Swain, Miss, an oil painting and three crayon sketches.
Schmidt, Miss Mary, nine wax-work pictures in frames.
Sanford, J. L., a cheuille belt or band, a flannel shirt, a handkerchief, an infant's hat, two pieces of sea foam.
Sprunig & McArron, a side spring buggy.
Simmons, Melvin, model of a pilot boat.
Schmolz, W., a large case of balance scales; surveying and and engineering instruments, etc.
Stearns, D A, a specimen of coach painting.
Stillwell & Co., B. F., a patent frame for advertising, and n card case.
Strahl & Co., Jacob, a self regulating windmill.
Shoel & Wright, a half bbl. of Oregon pitch, a jar of bright varnish, from Oregon.
Scoffy, Mrs., a case of shells.
Schmidt, Mr. and Mrs., a show case containing hair work.
Strutton, A, N., a hydraulic pump and two hydraulic presses.
Sanderson, L. F., thirty-eight varieties of pears.
Shed, C. V., two frames landscape paintings.
Shew, W., forty-six frames photographs.
Smith & Haascom, Tyler's improved water wheel and model.
Stetson, E. F., a Reynold's cut-off for steam engines.
Sickler, C. M., three Stewart's New York stoves and furniture, the latter made here by Sickler.
Shaddock, W., samples, of carving and gilding for competition.
Stock, Ernest C., a copy of the Alta California for May 15, 1851.

Tofft, Mr., five pictures in water colors.
Torning, A. & T., a sign specimen in script lettering.
Turkington, E. J.—A banjo, with new style of head.
Trimble, Mrs—A quilt.
Talbot, R. L.—A specimen of drawing in India ink.
Tubbs & Co.—14 coils cordage.
Taylor, S. P., Pioneer mills, Marin Co.—14 bales wrapping paper.
Traver & Brother, San Francisco—8 Eureka wringers, N.Y.
Townsend, I. R, an architectural drawing.
Torney, G, two specimens penmanship.
Tenbner & Hellman, three show cases.
Ten samples of powder from the California Powdor Works, at Santa Cruz.
Tolle, Oscar, n piece of shell work.
Thomas, Mrs H, a head card basket.
Tolle, Mrs. M., a show case containing fancy needlework.
Trueworthy, F. M., three frames of stencil plate impressions.
Tay, Brooks & Bacon, a monitor stove and boiler, and a case of plain and japanned tin and copper ware.
Terme, Mme., a show case of fancy costumes.

Unger, A., two vases wax flowers.
Uszynski, Mrs., a frame of fancy hair work, set in gold.
Union College—One mechanical drawing and a water color drawing.
Union College, Pupils of—A couple of mechanical drawings.
Union College—5 water colors.
Union College, Pupils of—Pictures in water colors.

Van Vleck, Durbin, samples of wood engraving.
Van Reed, Mrs. J. H., a Japanese curiosity.
Verdier, Mme. Pauline, a case of bonnets and millinery goods.
Varney, Thomas, two large amalgamators, three small amalgamators.
Varney, Mrs. Thomas, an oil painting by Mrs. L. M. Spencer, of New York; a "Hebe," by Michael Angelo.
Van Winkle & Duncan, a fire repellingmachine, for competition.
Von Roan, Miss, crotchet bed quilt.

Wanlorsford, Mr., twelve pictures.
Wood, F. G., three pencil drawings.
Wasserman & Co., forty-three oil paintings.
Wheeler & Randall, a grinder and amalgamator.
Walton, E. W., a wine press, made in Amador county.
Wathen, H. G., a case containing the statistics of the Mariposa estate.
Williams, W. H.—A couple of architectural drawings.
Webster, Miss M. G.—Two pictures in oil.
Wilson, P.—A model ship.
Wade, Miss Abbey T.—Two worsted worked patterns and a table cloth.
Winter, D. & H. A.—1 Wisconsin seed planter and cultivator.
Wright, J. O.—Shepherd's patent window blind, hinge and fastening.
Waldemann & Chappaz, Marysville—A case of bitters.
Watkins, Mrs., a silk quilt.
Walter & Co., G. F., a lot of men's clothing.
White, J. C., a table of fruit.
Wheeler & McAuley, a hydraulic pressure wheel, and a model of the same.
Woolf & Sutherland, a gilt table; three pieces of statuary, and two oil paintings.
Winter, Daniel, two glass signs in gilding and embossing.
Winter, George, two glass signs in gilding and embossing, and a script sign on glass.
Winter, R, twelve photographic specimens and paintings in water colors, and eighteen cartes de visite.
Waterman, Mrs Adela, a Eugenia opera-glass.
Weeks, Miss Emily D, two specimens of worsted work, one of Washington.
Weisfareau, Mrs. Elisa, a crochet bedspread.
Wadsworth, W, a patent American tiller.
Webster, Miss M F, an oil painting.
Wilson & Son, J., six horse-collars.
Woods, Mrs M E, a frame containing hair work.
Wagner, Miss, a small frame of hair-work.
Wood, G. M., a frame of stencil plates and impressions.
Wenzel, G. L., a small cask for two kinds of liquors.
White & Noyes, three reins and headstall of a bridle, manufactured by the Pimo Indians.
White, J. T., four pictures in water colors.
Weichhart, M., a fire-proof safe and a lot of moulding tools.
Weil & Finck, a show case of cutlery and a hotel annuncia tor.
Wortbley & Co., three pumpkins, grown on the Sacramento river.
Wood, C. L., thirty photographs.
Wollenburgher, Miss, a piece of crochet work.
Weed, Miss B., a piece of crochet work.
Wetherwax, J. M. B., of El Dorado, thirteen Bartlett pears.
Webor, Mrs. R., a hair bouquet in frame, made by Mrs. A. Stein.

Yates, Mrs. C., seven tapestry pictures.
Yole, H.—A modern Indian canoe and an Indian bag.

Zeik, Frederick, two pianos.
Zeepiaro, Mr, eight water-color pictures.
Zwick & Lowen, nine boxes extract of coffee

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jllf

POSTPONEMENT.—The above sale is postponed until Saturday November 5th, 1864. 1t

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING

At less than half the cost of tin roofs.

READY ROOFING

More durable than Tin.

READY ROOFING

Suitable for steep or flat roofs.

READY ROOFING

For all kinds of buildings, in all climates.

READY ROOFING

Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING

Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inches wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.

Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,

Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6 tf 73 Maiden Lane, N. Y.

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco
GEO. H. BAKER.....San Francisco
P. T. ARCHAMBOU.....Geyserville.

19-3m

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F, $8.50. No. A, $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Plain Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER. Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

6-tf

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

Mining Notices.

Advertised in Previous Issues.

Aspinwall Gold and Silver Mining Company, Amador District, Lander County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt. Certificates No. 71, 12, 73, 74, 75, 76 and 77, standing in the name of W. D. Malhenay.

11 JOSEPH HEALY, Secretary.

Astor Gold and Silver Mining Company, No. 436 Jackson St., City and County of San Francisco, State of California, Gold Hill Mining District, county of Story and Territory of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 10th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John V A Lansing	25 27-25 ea	75	$75
D Elloff	18	25	25
J F Cornwall	43	25	25
I F Cornwall	85	20	20
F C Lovell	63	6	6
Mrs L T Lunt	70	7	7
L Joseph	73	10	10
S Lowenburg	78	10	10
R F Barton	80	10	10
R F Barton	108	25	25
Miss Carrie Smith	81	5	5
Augustus F Hay	82	4	4
B F Swan	87 88 10 ca	20	20
Harmon Rinkin	92	10	10
Thos Drum	93	6	6
Thos Drum	97	5	5

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of August, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on Saturday the the 24th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD C. LOVELL, Secretary,
11 Office, No. 436 Jackson Street.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Location, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees

B. C. AUSTIN, Secretary.
Office, 324 Clay street, San Francisco. 11-4

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco, Cal.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Crown Point Ravine Gold and Silver Mining Company, there will be sold at Public Auction, at the salesroom of Messrs. Jerome Rice & Co., 327 Montgomery Street, San Francisco on Saturday, September 24th, 1864, at 12 o'clock M., to the highest bidder for cash, in United States Gold coin, so many shares of the capital stock of said company, standing in the names of the following persons as will be necessary for the payment of assessment No. 8, of one dollar per share, duly levied thereon by the said Board of Trustees, on the 25th day of July, 1864, together with costs of advertising and expenses of sale, unless said assessments and charges are previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
E D Brown	280	25	$25 00
E H Bishop	233	10 12	85
M W Bailey	172 174 176	4 2-12 ea	12 50
Isaac Brewer	93	45	42 00
Mrs M E Cirson	95	12 6-12	12 50
D W Carter	425	5	5 00
A E Crane	65	5	5 00
D Corson,	89	12 6-12	12 50
T R Bichl,	35 1051	4 2 12 ea	62 41
A J Downer		8 3-12	8 25
Jennie M Downer,	1	1	1 00
Thomas Eager	231	25	25 00
Levi Hermance	115	1 8-12	1 67
D M Hyde	91	4 2 12	4 17
Wm M Harper	415	2 6-12	2 50
John Linus	197 198 199	4 2 12 ca	12 50
David C Lee	86	6	6 00
Isaac Livingston	5	39	5 00
Isaac Livingston	2	40	2 00
D Lachman 75 76 77 78	70	10 ea	50 00
D Lachman	80	8	8 00
D Lachman 81 82 83 84	5		20 00
S H Marletto	30	6	8 00
S H Marlette	31	7	7 00
R H Newton, 7 8 9 10 55 04		5 ea	30 00
M O'Brien	34	2	2 00
T B Prince	282	50	50 00
Chas Parrott	19	0 3-12	6 25
T H Pinkerton	32 33	15 ea	30 00
Joseph Reel	6	3	4 00
M L Robinson	337	7 5-12	7 50
Joseph B Richardson	88	5	5 00
L Simon	382	10	10 00
Geo Stoddard	389	4 2-12	4 17
Geo Stoddard 390 391	392	4 ea	12 00
Mrs A T Swain	3	1	1 00
Isaac Swain	49	16	16 00
A S Stacy	71	6	6 00
Samuel Smith	01	9	9 00
Isaac Tabor	62	20	20 00
Isaac Tabor		43	43 00
P Q Vroom	24	10	10 00
J P Van Hagen	73	3	3 00
W W Van Vleet	92	5	5 00
J A Wright	90	16	16 00
Martin White		50	50 00

By order of the Board of Trustees.
11 J. M. BUFFINGTON, Secretary.

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Caldwell Gold and Silver Mining Company, Cove District, Kern River, Tulare County, California.

Kern River Gold and Silver Mining Company, Cove District, Tulare County, California.

The office and principal place of business of the above named Companies, will be removed from the City of San Francisco to Cove District, Tulare County, California, after the necessary legal steps are perfected.

M. G. ELMORE, Secretary.
Office, 621 Clay street.
San Francisco, August 12, 1864. 7-5t

Citizens' Coal Mining Company, Mount Diablo District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of August 1864, an assessment, (No. 9,) of Five Dollars per each an every assessable share upon the capital stock of said Company was levied, payable immediately in United States gold coin, at the office, corner Post and Dupont streets, in San Francisco, to the Secretary of the company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent without further notice, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. [9-4t] B. J. PFEIFFER, Secretary.

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of August, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 29th day of August, 1864, in United States Coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday the 1st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.
Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 7th day of September, 1864, an assessment of thirty cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 10th day of October, 1864, will be advertised on the 15th as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary
Office, 204 Front Street. San Francisco, Cal., Sept. 8, 1864.
11-5t

Evoca Consolidated Copper Mining Company, Court Hill or Evoca District, near Black's Ferry, Del Norte County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment of 25 cents per share was levied upon the assessable capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 537 Washington street, City and County of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 24th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHARLES E. ABBOT, Secretary.
Office, 537 Washington street. San Francisco, California, September 10, 1864. 11-4t

Eagle Quartz Mining Company, Location, Amador County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 22d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N Blackstone	22	50	$100
J W Dwinello	123	55	110
C J Haunelh	28	10	20
S Hanford	73	10	20
S Hanford	74	10	20
R R Maurice	122	63	126
P Robinson	3	200	400
P Robinson	107	200	438
Eli Schell	50	20	40
Eli Schell	71	15	30
J L Thurber	41	5	10
R Williams	balance 7	50	50
Mrs S H Young	9	25	50

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery Street, on Monday, the 26th day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale

G. PARDOW, Secretary.
11 Office, 702 Washington Street, San Francisco.

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary at the office of the company, or to PETER BROWN, Silver City, N. T.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.
Office, No. 625 Clay street, San Francisco. 9-4t

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

Gobernadora Silver Mining Company, San Antonio District, Lower California.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 1st day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Brazer	27 41 42-ea 5		
	40 43 44 90-ea 10		
	45-25 shs		
	51-0 shs	110	$110 00
J C Beideman	100	30	30 00
Peter Brown	309	17	17 00
T H Downing	119	30	30 00
J L Farnsworth	320	13	13 00
N L Grimes	194	10	10 00
A N Humphreys	196	55	55 00
E R Hawley	269 270-ea 25	50	50 00
Thomas Hill	283	5	5 00
Hopps & McAbee	284	40	40 00
A H Jordan	280 287-ea 25	50	50 00
W H Knapp	70 71 98-ea 10		
	73 76-ea 15		
	74-20 shs		
	17-25 shs	105	105 00
H Kilham	235 236-ea 10		
	237 238 239 240 241 242-ea 5	50	50 00
W E Mayhew	111	20	20 00
G F Notte	245	20	20 00
J W Sprague	78 79-ea 60	120	120 00
D W Smith	325	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 17th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.
Office, No. 625 Clay Street, San Francisco. 10

Great Western Gold and Silver Mining Company, Keyes District, Mono County, California.

Notice is hereby given that at a meeting of the Board of Trustees said Company, held on the 19th day of August, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

BROCK JOHNSON, Secretary.
Office, No. 28 Government House, San Francisco. 9-4t

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 30th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
M. E. Goldsmith	balance 43	150	$5 00
Page Cutting	44	150	75 00
Page Cutting	45	150	75 00
F. M. Hooper	51	50	25 00
F. M. Hooper	60	25	12 50
F. M. Hooper	70	50	25 00
F. M. Hooper	72	13	6 50
Isaac Ayer	67	15	7 50
Isaac Ayer	68	15	7 50
Isaac Ayer	76	50	25 00
Treasurers Fund		140	70 00

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 25th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

11 UGO DRESCHFELD, Secretary,
Office, 14 Naglee's Building, S. W. Corner Merchant and Montgomery St., San Francisco. 11

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of ten cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.
Office, 607 Market street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 27th, 1864 and the sale thereof is postponed until September 12th, 1864. By order of the Board of Trustees.

8 GEO. W. GILDERSLEEVE, Secretary.

The advertisement of stock delinquent, on the above assessment, is postponed until September 3d, 1864, and the sale thereof is postponed until September 19th, 1864. By order of the Board of Trustees.

9-td GEO. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby further postponed until Saturday, September 17th, 1864, and the sale thereof until Monday, the 26th day of September 1864. By order of the Board of Trustees. G. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is hereby further postponed until Saturday, September 24th, 1864, and the sale thereof until Monday, October 3d, 1864. By order of the Board of Trustees. [11] G. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, October 1st, 1864, and the sale thereof is postponed until Monday, October 10th, 1864. By order of the Board of Trustees.

12 GEO. W. GILDERSLEEVE, Secretary.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.
Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of August, 1861, an Assessment of two dollars per share was levied upon the Capital Stock of said Company, payable on the 1st day of August, 1864, in United States gold coin to the Secretary at the office of the Company No. 324 Clay street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 14th day of October, 1861, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. B. W. MUDGE, Secretary

Office, No. 324 Clay street, San Francisco, California, California. 10-4t

Logan Gold and Silver Mining Company, El Dorado Canon, Arizona Territory

The Annual Meeting of the Logan Gold and Silver Mining Company will be held at the company's office, No. 324 Clay street, San Francisco, California, on Monday, September 26, 1864, at 2 o'clock P. M., for the election of Trustees, and the transaction of such other business as may properly come before it. (10-4t) B. W. MUDGE, Secretary.

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 23d day of August, 1861, an assessment of two dollars and fifty cents per share was levied upon the assessable stock of said company, payable immediately, in United States gold coin to the Secretary, at the office of the company, No. 623 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of September, 1861, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 8th day of October, 1861, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 9-4t

La Trayhita Gold and Silver Mining Company, Calaveras County, California.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 12th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L Reupsch	13 14	17	$8 50
C B Taylor	27	35	17 50
M Greenthal	73	9	4 50
A Stolz	35	17	8 50
S Cohen	42 63	48	24 00
J Rheinsburger	52 51	52	25 10
C J Stevens	56 57	10	5 00
M Weill	96 57	42	75
L Newmann	68 70	122	01 00
S Langstatter	71	18	9 00
L Blumenthal	79	5	2 50
Abrahams & Bro	78	4	2 00
J A Obergh	87	10	5 00
Geo Haze	92	70	35 00
R Cisar	95	13	9 75
Mrs White	105	5	2 50
J Mibielle	93	30	15 00

And in accordance with law and an order of the Board of Trustees, made on the 13th day of August, 1861, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on the 21st day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

AUG. KUNAST, Secretary.

Office, 510 Washington street, San Francisco. 8-1

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 10th day of May, 1861, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R R Maurice	179	8	$10
R R Maurice	180	9	45
R R Maurice	181	10	50
R R Maurice	1-2	9	45
R R Maurice	183	10	50
R R Maurice	184	10	50
R R Maurice	185	10	50
R R Maurice	186	45	255
Jared F Poole	balance 1-9	2	10
M Meyerfield	70	2	10
A Pavillier	123	1	5
A Teissoro	151	10	50
E S Goold	169	10	50
E S Goold	170	10	50
G Pardow	171	0	30
G Pardow	173	10	50

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton and Son, No. 400 Montgomery street, San Francisco, on the 26th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

JOSIAH H. APPLEGATE, Secretary.

11 Office, 702 Washington Street, San Francisco.

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 24th day of August, 1864, an assessment of five (5) cents per share was levied upon the capital stock of said Company, payable on the 27th day of August, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 322 Front street, or to J. W. CASSIDAY, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 8th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, 322 Front street, San Francisco. 9-4t

New Era Copper Mining Company, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23d day of August, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 20th day of September, 1864, in United States Gold Coin, to the Secretary, at his office, on the southwest corner of Washington and Stockton streets, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 24th day of September, 1861, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 10th day of October, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 9-4t

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1861, an assessment (8) of 50 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 26th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 11-4t

Ossipee Gold and Silver Mining Company, El Dorado County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Atwood, E T	86	50	$2 50
Atwood, E T	92	5	25
Atwood, E T	93	5	25
Atwood, E T	95	5	25
Atwood, E T	99	25	1 25
Butler, B F, Sen	47	100	5 00
Butler, B F, Sen	128	100	5 00
Butler, B F, Sen	129	100	5 00
Butler, B F, Sen	126	70	3 50
Cain, R K	112	50	2 50
Cain, R K	113	25	1 25
Cain, R K	114	25	1 25
Cain, R K	115	20	1 00
Cain, R K	118	20	1 00
Colby, A	142	10	50
Colby, A	143	10	50
Cheny, F M	158	25	1 25
Cheny, M E	159	25	1 25
Cheny, H L	100	25	1 25
Cheny, H B, Jr	161	25	1 25
Dyer, R C	39	1	05
Dugan, Ann M	190	5	25
Gleason, W H	170	50	2 50
Hutchinson, E F	140	10	50
Hi Ah	141	10	50
Harnett, E	144	100	5 00
Harnett, E	145	50	2 50
Hyland, H J	165	22	1 10
Hyatt, Caleb	167	10	50
Hyatt, Caleb	184	100	5 00
Hyatt, Caleb	185	100	5 00
Johnson, Thos J	188	25	1 25
Jones, T E	187	25	1 25
Ladd, C J	191	30	1 50
Lorrimore, R	192	50	2 50
Moody, E	169	150	7 50
Niebour, T	183	24	1 20
Pritchard, T	186	25	1 25
Regester, David	125	10	50
Sturdivant, R O	10	100	5 00
Sturdivant, R O	17	100	5 00
Sturdivant, R O	170	90	4 50
Silsby, W H	150	25	1 25
Silsby, W H	151	5	25
Scribner, W R	157	25	1 25
Tilton, S S	69	50	2 50
Tilton, S S	71	25	1 25
Tilton, S S	72	25	1 25
Tilton, S S	74	20	1 00
Tilton, S S	76	10	50
Tilton, S S	77	10	50
Tilton, S S	78	5	25
Tilton, S S	70	5	25
Tilton, C H	174	40	2 00
Tilton, C H	175	10	50
Von Rhein, O F	164	24	1 15

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 13th day of September, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco. 9

POSTPONED.—The above sale is postponed until Thursday the 22d day of September, 1864, at the same hour and place. [12] W. R. MAURICE, Secretary.

Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Buzzoleni, D	51	5	$25
Buzzoleni, D	52	5	25
Cole, Delos	1	10	50
Cole, Delos	2	10	50
Cole, Delos	4	10	50
Cole, Delos	5	10	50
Cole, Delos	6	10	50
Cole, Delos	7	20	100
Cole, Delos	0	20	100
Cole, Delos	10	20	1 0
Cole, Delos	11	20	100
Cole, Delos	12	20	100
Cone, W H	100	20	100
Moore, J A	97	10	50
Marston, P F	98	10	50
Marston, P F	99	20	100
McGown, Leo	84	10	50
McGown, Leo	85	10	50
McGown, Leo	80	10	50
Noyce, J W	33	25	125
Noyes, J W	34	25	125
Noyes, J W	35	25	125
Noyes, J W	30	25	125
Noyes, J W	40	20	100
Page, R C	44	13 1-3	66 66
Page, R C	45	13 1-3	66 67
Page, R C	46	13 1-3	66 67
Smith, E F	91	12 1-2	52 50
Smith, E F	62	12 1-2	52 50
Stanchfield, L G	55	10	50
Stanchfield, L G	56	10	50
Stanchfield, L G	57	5	25
Stevens, T H	87	5	25
Watkins, B F	18	10	50
Watkins, B F	23	20	100
Watkins, B F	24	20	100
Watkins, B F	25	20	100
		535	$2675

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 10th day of September, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. J. TREADWELL, Sec'y.

9 2t Office, 332 Merchant Street.

POSTPONEMENT.—The above sale is postponed until Saturday, September 17th, 1864, at the same hour and place. By order of the Board of Trustees.

J. J. TREADWELL, Secretary.

San Francisco, Sept. 10, 1864.

POSTPONEMENT.—The above sale is postponed until Saturday, September 24th, 1864, at the same place and hour. By order of the Board of Trustees.

12 J. J. TREADWELL, Secretary.

Penn Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Asull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parrinton	11	16 2 3	50
A R Wheat	14	16 2-3	50
G W Botts	142	8 1-3	25
R C Jacobs	52, 147	30 1-3	119
J J Corrigan	153	31	93
J F Borland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 150, 140	15 2-3	47
Miss M A Phillips	54, 55, 56 60		
	67, 88	38 1-3	100
J C Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
David Ross	80	9 2-3	29
Edgar Wakeman	84	8 1 3	25
J H Thompson	162	25	75
W J Leland	86, 94	5 1 2	18
Gilbert Palacho	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1 3	7
F Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 107	32	96
John Todd	105, 144	8 2-3	25
K G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peck	123	4 1 0	12 50
Wm Crocker	87	8 1 3	25
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tibleu	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delanny	152	2 1-3	7
H E Mathews	117	1	3
John Todd	153	2	0
Hugh McCorriston	160	1	3
Mrs P J Adams	107	3	9
A H Hagadorn	108	8 1-3	25
Wm A Sublett	169	2	8
H K Curtiss	171	2	0
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

Rose Linda Mining and Manufacturing Company, Mokelumne Mining District, Alpine Co., California.

Notice is hereby given, that at a meeting of the Board of Trustees of the above company, held on the 30th day of August, 1864, an assessment of sixty (60) cents per share was levied upon the capital stock of said Company, payable immediately, in United States Coin, to the Secretary at the office of the company, No. 522 Clay street, Room No. 3.

Any stock upon which said assessment shall remain unpaid on the 30th day of September 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. HENRY HALE, Secretary.

San Francisco, August, 30, 1864. 10

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 29th day of August, 1864, in United States coin, to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 1st day of October, 1861, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIRBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

"Refugio," U. S. Grant, Lucrecia Borgia, and La Mejicana Copper, Gold and Silver Mining Companies. Location—Clayton Mining District, Contra Costa County, California

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 8th day of September, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said companies, payable on the 8th day of September, 1864, in United States gold and silver coin, to the Secretary, at the offices of the Companies, No. 708 Montgomery street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 12th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 31st day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, No, 708 Montgomery street, San Francisco. [11-4t

Sierra Nevada Gold Quartz Mining Company, Allegheny, Sierra County, California.

Notice is hereby given that the annual meeting of the stockholders of the above named company, for the purpose of electing Trustees to serve for the ensuing year, will be held at the company's office, No. 212 California street, San Francisco, on Monday, September 12th, 1864, at 7½ o'clock P. M. By order of the President.

W. A. RUST, Secretary.

San Francisco, August, 24, 1864. 9-4t

Santa Cruz Petroleum Oil Works Company—Located in Santa Cruz County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of August, 1864, an assessment (No. 8) of twelve and a half (12½) cents per share was levied upon the capital stock of said company payable immediately, to the Secretary at his office, No. 338 Montgomery street, San Francisco, in United States gold coin.

Any stock upon which said assessment shall remain unpaid on the 26th day of September, 1864, will be advertised as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

J. A. RAWSON, Secretary.

Office, No. 338 Montgomery street, August 24, 1861. [9-4t

St. Paul Gold and Silver Mining Company, Amador District, Lander County N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of September, 1861, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 11-4

Sierra Nevada Gold Quartz Mining Company, Alleghany, Sierra County, Cal.

There are delinquent upon the following described stock, on account of assessment levied on the 3d day of August, 1861, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
H C Kirk	0	50	$25 00
J H Clute	23	50	25 00
J S. McReynolds	34	50	25 00
J S McReynolds	35	15	7 50
J S McReynolds	38	10	5 00
H Holland	38	25	12 50
H Holland	39	24	12 50
H Holland	40	12½	6 25
L A Booth	37	25	12 50
J G Akens	42	75	37 50
J G Akens	43	50	25 00
J G Akens	44	50	25 00
J G Akens	45	25	12 50
J G Akens	46	55	12 50
West Evans	56	12¼	0 25
R Collar	3	10	5 00
John Bullinger	61	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 3d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction by Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 17th day of September, 1864, at 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

WM. A. RUST, Secretary.

Office, 212 California street, San Francisco. 10

Scottie Gold and Silver Mining Company, La Paz Mining District, Arizona Territory.

The Annual Meeting of the stockholders of this company will be held at the Company's office, No. 523 Clay street, San Francisco, on Tuesday, September 27th, 1864, for the election of Trustees, and the transaction of such other business as may properly come before it.

10-4t B. W. MUDGE, Secretary.

Tellurium Gold and Silver Mining Company, Pine Grove District, Amador County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment No. 7, levied on the 13th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Boylan, Joseph	26 to 30 inc—ca 20 shs	100	100 00
Chevallier, V	113	5	5 00
Collins, E S	232	10	10 00
Dow, J G	234	5	5 00
Dunlp, J P	15	10	10 00
Hall, J H	79 80-ca 50	100	100 00
Gay, A C	256	53	53 00
Hughes, Chas	134	5	5 00
Marina, E J de Sla	214 to 217 inc—ca 10	40	40 00
Marina, E J de Sla	218 210—ca 5	10	10 00
Matthieu, A	138	10	10 00
Marguerlere G	159	10	10 00
Martinon, L M de	166	20	20 00
Smiley, James	96	50	50 00
Thonet, N	268	10	10 00
Whitney, Geo O	204	50	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of July, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, on the 27th day of August, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WM. H. MARTIN, Secretary.

Office, 627 Clay street, San Francisco, Cal. 7

POSTPONEMENT.—The above sale is postponed until Wednesday, September 7th, 1864, at the same hour and place. By order of the Board of Trustees.

9 WM. H. MARTIN, Secretary.

POSTPONEMENT.—The above sale is postponed until Wednesday, September 14, 1864, at the same hour and place. By order of the Board of Trustees.

10-1 WM. H. MARTIN, Secretary.

POSTPONEMENT.—The above sale is postponed until Wednesday, September 21st, 1851, at the same hour and place. By order of the Board of Trustees.

12 WM. H. MARTIN, Secretary.

Lost!

Certificate No. 191, of 150 shares, of the Table Mountain Copper Mining Company's Stock, standing in the name of N. B. Edmiston. All persons are cautioned against negotiating for the same, as transfer has been stopped.

M. G. ELMORE, Secret

San Francisco, August 25, 1864. [9] T. M. Cop. M.

A BIRD'S EYE VIEW OF BUSINESS.

During the early part of the week trade languished, with but few sales of importance outside of the Sugar Refinerics who entered the market nnd bought largcly of Muscovadas nt enhanced figures. At tbe close of tbe week a decided improvement was made manifest by nn active inquiry for Coffee nnd Rice, with free sales of the latter, and every indication of a better market for Coffees and Teas in the future.

The Oregon trade is fast augmenting in proportions. She is now one of our best customers—buys largely and pays promptly. The fall business with the interior of our own State has not yet fairly set in, though there are some indications of a revival in the demand from that quarter soon. Now Sacramento millers supply a large part of the Flour for the interior marts, whicb heretofore went from here.

Flour with us, now rules at $9@$9.50 for superfine, $10@$10 50 for extra; Wheat of choice quality $3.40@$3.50; Barley $3.25@ $3,45; Oats $2.75@$2.95; Potatoes 3¼@ 3¾c. per lb.; Bran $45 per tou; Hay $23@ $28; California Dniry Butter 55@60c., Isthmus 30@32½.

We quote Java Coffee 24@25c, Costa Rica 22c, Rio 21½c.; Candles 17@19c. per lb.; Crushed Sugar 16¼c.; No. 1, China and Hawaian 12@12½c per lb.; Golden Syrup 55@60c.; Codfish 14@15c per lb.

Engine House, Etc., Burned.—We regret to learn that tbe engine and shaft house of tbe Table Mountain Copper Mining Company, with its contents—900 ore sacks, carpenter's tools, ropes, tubs, mining tools, etc., togetber with about forty cords of wood, was destroyed by fire, about 4 A. M., ou the 13th instant. The fire is supposed to have been caused by sparks from the engine lodging in the woodpile. Work on tbe engine ceased at midnight when the hands above ground retired, leaving six men underground, who were extricated through the air shaft. The engine is but slightly injured. The damages by fire and delay will amount to about $4,000. The product of the mine for the present month, in consequence, of this accident, will not exceed 50 tons, instead of crushing 100 as was expected. We regret to hear of this accident, as the company was fast developing its claim, and was in a fair way to complete that work without any further expense to the shareholders. This disaster, however, will render another assessment necessary, and we understand it will be levied forthwith. This is too valuable a claim to allow of even a temporary suspension of work.

A Matter of Taste.—A connoisseur of liquors, or one who claimed to be such, in company with several ladies went into the fair restaurant this morning, and called for ice-cream for his companions and brandy punch for himself. The polite waiters promptly brought the compounds, when the gentlemen to show his taste and admiration for the ardent, ordered the waitar to make the punnh stronger. This was instantly done, when the 'connoissuer' became very much incensed, asserting that he had ordered a brandy, but had been served with a whisky punch! When it is stated that not a drop of whisky is kept in the restaurant, the correctness of the gentleman's taste becomes apparent.

Back Again.—The much itemised "Aquila," the reporters' god-send during the past winter and spring, has returned from Mare Island dock, with her hull in thorough repair. Much, however, remains to be donc to ber upper works and rigging, ere she ngain "walks the water like n thing of life." Strangers and all others wishing to see this famous craft can do so by going to Jacksou street wharf.

A copper mine has been found near New Almaden, and some rich specimens of carbonate have beeu taken from it.

Quartz Mill Burned.—A telegram from Aurora states that the Durand Mill was burned down on Tuesday night last. It is supposed to be the work of an incendiary. Two persons have been arrested on suspicion.

Communication.

Editor Mining Press:—I shall commend to your correspondent "Pundit" a more thorough and careful reperusal of my two articles, and tbeu if he is still dissatisfied, and is willing to risk his reputation as a geologist and mineralogist upon tbe views he may advance upon those questions, he may he called upon to answer during the discussion; and if he will sign his own name in full to his communications, I shall be very happy to discuss the matter with him. He may bring the "Shade of Humboldt" with him, as an aid, if he pleases, but they may find that facts—on which aloue I bave endeavored to take my stand—are stubborn things. O. W. Easton.

Tin.—If there be any substance more than another that has rendered England famous throughout the world, it is Tin. Camden, the historian, supposes that this country, from the abundauce of tin which it contains, was called Britain. In the Syriac language *varatanac* signifies *land of tin;* whence is derived Britain. The mention of Moses, in the 31st chapter of Numbers, 22nd verse, is proof of its being known from the remotest antiquity. Long before the Christian era the trade in tin caused many a vessel to spread its sails in the Mediterranean Sea, and to cross the Bay of Biscay to fetch it from these sbores. The alchemists of old considered tin to be a mixture of silver nud lead, but modern chemistry proves it to be a distinct metnl. About 10,000 tons of tin are extracted every year from the mines in Cornwall nnd Devon, nearly the whole of which is consumed in the manufncture of tin-plate (*fer-blanc*, or white iron, as the French term it), that is, sheet iron coated with tin; and it is this substance which constitues our famous tin-ware, which finds a market from Naples to Japan, from New York to Eupatoria. Melted tin forms a sort of varnish for iron, nnd prevents that metal from rusting; when copper is coated with it verdigris cannot be produced. Tin and lead melted together produce what is called "Britannia metal," of which teapots and similar domestic utensils are made. It is owing to a mordant of tin that the dyer produces the fine scarlet cloth so famous as the Royal and military color of this country. In many other ways we could show how very useful tin is; but it is enough for us to state that Englnnd is the tin-plate manufacturer for the whole world.—*Piesse's Labratory of Chemical Wonders.*

Great Numbers of Mechanics are now going to West Tennessee, in the employ of the Government, at $3.50 and $4 per day, with board. These workmen are chiefly such as are skilled in bridge and railroad building, and in the construction of engines and cars. A government agent was recently located at Hartford, Conn., to procure these workmen, and furnish them with transportation at government expense.

A Beautiful Thought.—A writer, whose life has passed its meridian, thus discourses upon the flight of time:

"Forty years once seemed n long and weary pilgrimage to make. It now seems but a step. And yet aloug the way are broken shrines, where a thousand hopes have was'ed to ashes; foot-prints sacred under their drifting dust; green mounds where the grass is fresh with the watering of tears; shadows, even, which we would not forget. We will garner the sunshine of those years, and with chasteued step and bopes, push on toward the eve."

A Fact Worth Knowing.—It is a fact worth knowing that at the south-east corner of the Pavilion of the Mechanics' Fair, H. Behre has an elegantly fitted up restaurant, where anything, from a cutlet to a chicken, tea, coffee, cakes nnd pies, may be had, served up in style at the same rates charged in restaurants. This is a great convenience to strangers from the country for whose information we write.

A little boy in New Haven drowned himself, to escape the cruel whippings of his father.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the Mining and Scientific Press on application at the office

Buy It for Your Friends at Home.—Buy the *Mining and Scientific Press* to send home to your friends at the East. It contains the fullest reports of the Mechanics' Exhibition published in the city. The last number is embellished with views of each of the three Pavilions, which have been erected in this city. No more acceptable newspaper can be sent to your friends. For sale neatly done up in wrappers for mailing, at the office of the Daily Fair Press in the Pavilion, and at the news depots generally.

Soap.—The Eureka Soap Company make a grand display of their manufactures at the Fair. Their imported chemical olive crasive soap appears to be as good as all the ladies represent it to be. Some of the articles moulded in this soap in the form of eagles, and other shapes, are as white as snow, and as hard as marble; while others moulded in forms such as the ladies cast their jellies, appear much more like that article than soap. The exhibition by this company is an honor to their branch of our local manufactures.

Grain.—About one thousand tons of wheat, and two hundred tons of barley are now stored in Lewis Pierce's warehouse, Suisun—most of the grain being of this year's crop. In addition to this, quite a quantity has already been shipped out of the warehouse to San Francisco.

A Machine Not Yet Invented.—It will scarcely be believed, but it is nevertheless as true as daylight, that a couple of quite interesting young ladies went up to the person in charge of Prater's Concentrator and enquired with absolute earnestness, whether that was the machine invented for the manufacture of lard? Ye gods and little fishes! People in this city, in this day, asking to see a machine for making lard.

Not Affected.—The Gold Hill *News*, speaking of the late dividend declared by the Confidence mine, of Gold Hill, says that "the Gold Hill mines which are opened, are not in the least affected by the crisis. There are plenty more mines here like them—and all that is necessary, is just to expend a little more labor nnd money to open them. Some of the companies are again commencing operations."

Capt. Price and party have reached Salt Lake from an exploring tour for the location of a wagou road from that Lake to the head of steam uavigation on the Colorado. He reports having found a route highly feasible.

Evening Instruction in Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

Having fitted up a laboratory especially for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 10th, 1864. 20

WHEELER'S

Amalgamating & Separating Pans.

It is acknowledged by all who have examined the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

PRATER'S

PATENT CONCENTRATOR.

The proprietors of this new concentrator, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 1mv8-tf

W. T. GARRATT,

City

BRASS AND BELL FOUNDER,

Cor. Market and First Sts., opposite Oriental Hotel,

SAN FRANCISCO.

Manufactnrer of Brass, Zinc, and Anti-Friction or

Babbet Metal Castings;

CHURCH AND STEAMBOAT

BELLS,

TAVERN AND HAND BELLS AND GONGS,

FIRE ENGINES, FORCE AND LIFT PUMPS,

Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,

HYDRAULIC PIPES AND NOZZELS

For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."

☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,

WHOLESALE AND RETAIL DEALERS

— IN —

JAPAN AND CHINA TEAS,

AND

GROCERIES.

Store fronting on

514 Market & 15 Sutter St.

☞ THREE DOORS ☜

BELOW THE MARKET HOUSE,

San Francisco.

Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**

513 Clay street, San Francisco.

122 J street, Sacramento. 3-6m

HUNT'S

IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

R. H. McDONALD. J. C. SPENCER.

R. H. McDonald & Co.,

WHOLESALE DRUGGISTS,

SACRAMENTO.

R. H. McDonald & Co.,

Cor. of Sansome and Pine Sts.,

SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS.	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

STILL IMPROVING!

VOLUME IX
—OF—
The Mining and Scientific Press
COMMENCES
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgments to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By ubi of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

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An Economist to Millmen,
An Assistant to Active Miners,
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An Incentive to Inventors,
A Reflector for Patentees,
And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
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For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the minimum.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion, and for these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims to his expectations accordingly. There are other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for this service varies from $10 to $20. The Government fee under the new laws is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $30. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. In this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have procured cases prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a nature. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed three inches in any of its dimensions; it should be neatly made, of wood, glass or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, which is the safest way to remit, or by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be prosecuted to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredient sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for foals, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil cloth, prints, paper-hangings, and other articles. Trade-marks, labels, cards, boxes, bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos..	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

No. 2—Volume IX.—July 9, 1864.—Department of Agriculture; No Cause for Despondency; Letter from Austin; Gun Cotton vs. Gun Powder; Scientific Explorations; Election of Officers; Brief Mention; Open Sesame Company; Wide West Company; Wall Street Gamblers; The Blue Ledge; Mining Share Market; Iron the Basis of Modern Industry; Gold a Novelty; Gold Productions; MINING SHAREHOLDERS' DIRECTORY; Roasting Silver Ores; Ductility of Gold; Copper Smelting in California; Brain Work and Longevity; Copper Smelting at Detroit; Beecher's Visit to a King; Man's Only Power over Nature; Mechanical and Patent Department—Labor Saving Machinery, Heavy Forging, New Inventions, Peltsch's Ore Separator, Washing and Pressing Machine, Improved Knapsack, Dodge's Amalgamating Machine; Summary of Mining News—Washoe, Reese River, Esmeralda, Owens River, Humboldt, Arizona, Holcomb Valley, Santa Catalina; Cricket War; Gold Hill Mines; Novel Cooking; Stock Reports and Miscellaneous Items.

No. 3—Volume IX.—July 16, 1864.—The Industrial Exhibition; The Art of Wart Power of the Magnet; The Consideration of the World as a Scientific Possibility; More about the Theory of the Mines of the Sierra Nevada; HOW to Detect Adulterated Quicksilver; The Cause of the Flow of Oil Wells; The World's Drought of 1864; The Salt Trade of Washoe; New Era in Agriculture; Formidable Foes from by Metallurgical Insects; Old Without Knowing It; Eating when Sick; Weather and Health; Efficacy of Onions; Boiling Water; Shareholders' Directory; Stock Reports—Sales and Prices Bid and Asked; Inventors and Inventions; The Lenoir Gas Engine; The River Process; Improved Hoop Fastening; A New Journal Box; Value of Evening Hours to Mechanics; Value of Skillful Stoking and Firing; Iron Ore in Reese River; Our Summary of Mining News—Humboldt, Washoe, Reese River; Washoe Coal Co.; Volcano in Butte Co.; Gold in a Corner; Looking Eastward; Esmeralda; Mining Share Market; From Owensville; Songs of Birds; Items of Interest; etc.

THE MINING AND SCIENTIFIC PRESS is published every Saturday morning. Each number contains SIXTEEN PAGES of SIXTY-FOUR COLUMNS. Terms, by City Carriers, 50 cents per month. By mail, $5 per annum, or $3 for six months. Single Copies 12½ cents. Advertising rates very fair.

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MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.

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GREAT TRIUMPH
—OF THE—
FLORENCE!

THIS CELEBRATED NEW SEWING MACHINE HAS THE FOLLOWING ADVANTAGES OVER ANY AND ALL OTHERS!

☞ It is the only Machine that will sew different thicknesses or over rough uneven surfaces making through or over all the same uniform and perfect stitch, WITHOUT CHANCE OF TENSION.

☞ It is the only Machine that has the *reversible feed motion*, which enables the operator, by simply turning a thumb screw, to have the work run either to the right or left, to stay any part of the seam or to fasten the ends of the seams, without turning the fabric.

☞ It is the only Machine that makes more than one kind of stitch. It not only makes the lock-stitch, but three others, which, for certain kinds of work, are much superior, especially where elasticity is required.

☞ It is the only Machine that will gather and sew on at the same time, and do it more evenly than it can be done by hand.

☞ It is the only machine that fastens the end of each seam securely, and does it in one fourth the time than it can be done by hand.

☞ It does not draw thin, fine goods down through the slot in the work plate, nor drop a stitch in turning a corner.

☞ Changing the length of the stitch, and from one kind of stitch to another, can readily be done while the Machine is in motion.

☞ *Every stitch is perfect in itself*, making the seam secure and uniform.

☞ It is almost *noiseless* in its operations.

☞ Its motions are all *positive;* there are *no springs* to get out of order, and its simplicity enables the most inexperienced to operate it.

☞ *It will not oil the dress* of the operator, as all the machinery is on the top of the table.

☞ *It is the most rapid sewer in the world*, making five stitches to every revolution.

☞ It makes a stitch alike on both sides of the fabric.

☞ *It does the heaviest or finest work* with equal facility, *without change of tension.*

☞ Every Machine has one of Jenck's patent hemmers attached, (the right to use which we control,) enabling the operator to turn *any width of hem desired.*

☞ There is no other Machine which will do so large a range of work as the FLORENCE.

☞ It does not require finer thread on the under side, than it does on the upper, and uses any kind of thread or silk.

☞ The needle is more easily adjusted than in any other Machine.

☞ It will sew across the heaviest seams without change of tension or breaking of thread.

☞ It is fully protected by nine patents; and licensed by Elias Howe, Jr., and associates.

☞ To avoid the *strain on the eyes, bent postures, close application and fatiguing care*, heretofore necessary on a large proportion of work done on other Sewing Machines, we now furnish each machine with "*Barnum's Self-Sewer,*" *which guides the work itself*, and is of great value, especially to inexperienced operators.

☞ While possessing the above and many other advantages, the FLORENCE is sold at corresponding prices with other first class Machines.

☞ We warrant every Machine to do all that we claim for it, and will give a written warranty if required.

☞ *Over Seven Hundred Florence Machines* have been sold on this Coast in the short time since the agency has been established here, and in no instance can a person be found who has a FLORENCE that would exchange it for a Family Sewing Machine of any other manufacture, which is convincing proof that they are what we claim,

THE BEST FAMILY SEWING MACHINE IN THE WORLD!

☞ Do not leave the Pavilion before seeing the FLORENCE and securing Circulars and Samples.

To fully appreciate it, parties should see it in operation, so how easily and with what little change in the Machine it does all the different pieces of work.

SAMUEL HILL, General Agent,
1-tf No. 111 Montgomery Street, San Francisco.

COPPER SMELTING.

By one of those unavoidable, but at the same time most annoying mistakes that the reporters of the press fall into when mentioning the objects or exhibition at Mechanics' Fairs, with so many of which they must of neeessity be wholly unacquainted, in meutioning the processes for smelting eopper in yesterday's Fair Press, we got thiugs so mixed np that great injustiee was done to a very enterprising and energetic eitizen, who has spent many thonsand dollars in perfecting processes to smelt the ores of eopper in our own State. Tho report stated that the bars of copper on exhibition were made by Mr. McDougal hy a new and rapid proeess, nnd by the use of the flux of his discovery, and that he was erecting a furnace at North Point to operate on a larger scnle. While it is true that Mr. McDougal exhibits some fine bars of eopper, obtained by his process, that gentleman is in no way connected with the smelting works now in eourse of creetion and nearly eomplcted nt North Point—these works are the sole property of Mr. C. E. Johnson, who has a patent right for this process of smelting copper, and exhibits a splendid bar of that metal obtained by thie process, which will he found, duly labelled, on a tahle in the central avenue near the telegraph stnnd.

We have been induced to make this lengthy explanation from a knowledge of the importanee of Mr. Johnson's process, and the benefits it will confer on the copper mining interests of the State when it shall become generally known. The works he is having erected at North Point, on which he has already expended upwards of $10,000, will shortly be in operation, nnd we have every reason to believe that they will profitably operate upon that class of ores which will not pay to export; a result that will render copper mining one of the leading interests on the Pacifie Const. Mr. Johnson's process also saves and separates the large percentage of gold and silver present in many of the ores of eopper found in this State. Another important object of this notice is that so important a matter as the erection of the North Point Copper Smeltiug Works, may he eredited to Mr. C. E. Johnson, whose money, skill and enterprise have caused their erection.

A Bad Bargain.—The editor of the Daily Fair Press, has been presented with a piece of pine wood taken from the planking of the hottom of the yaeht Eureka, recently purchased hy the Board of Supervisors of this city, for polico serviee in the hnrbor. If the whole of the planking of the vessel is in the same condition as that presented to the editor, the Board have most certainly made a bad bargain in purchasing the Eureka. The specimen is litternlly honey-eomhed by the toredos which have eaten away nearly the whole suhstanee of the wood. But that's the wny the money goes. The specimen may be seen at our stand in the Pavilion.

Our Fair Paper.—We are especially pleased to learn that our efforts to bring out a "Fair Paper" which should he worthy of the splendid exhibition which the mechanics, manufacturers and others of this eity and State, have got up, are duly appreciated. Inasmuch as the exhibition has so far exceeded, in magnitude and interest, the original conception, so we have endeavored to keep up with the interest, and have produced a paper just twice the size which we hnd intended. The avidity with which it is called for, by the passing crowd, is an encouragement to our labors, nnd an earnest to our advertising patrons that their business cards are not falling listless and unnoticed from the Press. When the rush is at its hight, our steam press can scarcely furnish copies as fast as they are called for.

Unfortunate Occurrence.—A little daughter of Mr. Stevens, one of the proprietors of the San Lorenzo Hotel, Santa Cruz, last week swallowed a quarter of a dollar coin. It is probable, from symptoms in the child, that the coin has not reached the stomach, but has lodged in the œsophagus. She has been brought to this city for surgieal assistance.

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
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Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
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AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,
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Have Superior Facilities for Making
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STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
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San Francisco, May 24, 1864. 22-tf

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unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.
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☞ The public are invited to examine specimens at my Gallery. ☜ **JACOB SHEW.**
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Steam Engine Builders and Boiler Makers, Iron Founders and General Engineers,
Pumping, Hoisting, Mining and Quartz-Crushing machinery. Shoes and Dies of the hardest Iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Jonval and other Turbine Water Wheels with latest improvements.
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MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
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JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.
It is adapted to high heads or low—it is not liable to get out of repair—it can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address SMITH & HANSCOM,
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To Mexican Mining Companies.
A person in every way qualified desires a situation as Superintendent for some Company working in Mexico. Is a first class Assayer and Metallurgist and can give the best of references. Address, Mexico, Lock Box 2113 P. O. San Francisco. *9-3t

Furnished Tools for Your Boys.

We know many an excellent mechanic made just from the fact that in boyhood he learned the use of a few joiner's tools. A boy, if he be not utterly stupid, takes to using a hammer and driving a nail as soon as his right hand can lift the one or the left hold the other. And as boys grow older, nothing engages their attention or fixes their thoughts, when wanting recreation, like puttering about something or other, with a saw, a hammer, some nails and a gimblet. No matter what they make—whether it be a martin or a wren-box, a rat-trap or a hen-coop; it is all the same, so that they make *something*, amuse themselves and learn the use of tools. In fact, we consider a well-furnished tool-chest for boys of as much consequence, and as profitable an investment as we do a set of school-books; and a boy who, at the age of fifteen years, cannot make a good, substantial dry goods box to pack his traps in, why, that boy's education has been neglected. We do not confine these remarks to farmer's boys alone; they apply to everybody's boys—city, village and country. Nor where there is a gardener, or farmer, should the little garden tools be omitted. The boys should have the best of tools, and fitted to their own size and strength. We have seen many a bright, ambitious boy driven out of the garden, the field and the meadow, because he could make no headway with a a miserable cast-off tool given him, which no one else would use, but "it was good enough for a boy!" We consider it an outrage, as well as an injustice of the grossest kind, to turn a boy out to labor with a poor tool. If you hire a man and expect him to do anything, he has got to have *good* tools, and if a man of any spirit, he will not work without them. And so with the boys; they should be taught that their labor is worth something, and nothing will so readily convince them of the fact, as to furnish them with the best of tools, such as they are.—*American Agriculturalist.*

TIME IT WAS STOPPED.—We clip the following well timed paragraph from this morning's *Alta:*

Many of the holders of season tickets for the Industrial Fair have been in the habit of giving their tickets to children, generally half-grown boys, and so allowing them to visit the Fair unattended by parents or guardians. The children have generally managed to "ring in" one or more companions, and many of them have so grossly misconducted themselves while in the building, that the managers have been compelled to enforce the rule, and will hereafter take up the tickets when presented under such circumstances. Holders of season tickets will do well to bear this fact in mind in future.

A NOVEL GUNBOAT.—The great Iron Company of Marseilles have just completed, at their dock-yard at La Seyne, near Toulon, an iron-plated steam gunboat on a new model. It has already been tried, and the result was most satisfactory. It may be easily separated into eighteen pieces, and each of these forms a small boat, which may travel over land or navigate the sea with equal facility. The gunboat, when entire, accomplished eight and a half knots an hour. When taken to pieces a whole fleet of gunboats may be moved from one place to another by railway at the rate of thirty-five miles an hour.

A BEAUTIFUL THOUGHT.—A writer, whose life has passed its meridian, thus discourses upon the flight of time:

"Forty years once seemed a long and weary pilgrimage to make. It now seems but a step. And yet along the way are broken shrines, where a thousand hopes have wasted to ashes; foot-prints sacred under their drifting dust; green mounds where the grass is fresh with the watering of tears; shadows, even, which we would not forget. We will garner the sunshine of those years, and with chastened step and hopes, push on toward the eve."

DEW.—On no subject have there been more incorrect notions than on the nature and origin of dew. Even at the present day, commonness of the phrase, falling dews, shows how erroneous are the prevalent notions. The dew never falls, at least no perceptible distance; it is deposited from the layer of air in actual contact, with the bedewed object. That it does not fall is evident from the under side of a plate of ice cream being bedewed. The coolness necessary to produce dew is produced by clearness. A heavy dew proves the clearness of the air, and warns the astronomer to lose no time in getting out his telescope.

QUICK WORK.—We saw the owner of one of the churns on exhibition at the Fair, make good butter from fresh milk, in less than five minutes.

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK GOLD AND SILVER ORES in large or small quantities.

Working assays a matter of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merit of rock.

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C. C. JONES, Amalgamator.
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PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo Illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Is written for the people in good plain English and finely illustrated.

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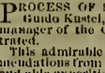

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t-3m

A MAGNIFICENT

LITHOGRAPHIC VIEW

OF THE

Mechanics' Fair Pavilion.

PUBLISHED AND SOLD BY

DEWEY & CO.,

GEORGE H. BAKER, Artist.

At the office of the "Mechanics' Fair Daily Press," entrance nave of the Pavilion, and at the office of the Mining and Scientific Press, corner of Washington & Sansome streets.

☞ *READ WHAT OTHERS SAY OF IT.* ☜

MECHANICS' FAIR PAVILION.—We have received from Dewey & Co., Patent Agents and publishers of the SCIENTIFIC PRESS, Government House, corner of Washington and Sansome streets, a finely executed lithographic view of the Mechanics' Industrial Fair Pavilion, on Union Square. The picture is mathematically correct in proportion, and will be valuable hereafter as a souvenir of the greatest industrial exhibition ever held in our city.—"Daily Alta."

We are indebted to the publishers of the MINING AND SCIENTIFIC PRESS for a copy of a very excellent engraving they have issued of the Fair building and the Fair grounds.—CALIFORNIAN.

LITHOGRAPHED.—The Mechanics' Fair building has been pictured in good style, by George H. Baker. We acknowledge the receipt of a copy. DEWEY & Co. are the publishers.—CALL.

VIEW OF THE MECHANICS' INSTITUTE PAVILION.—MESSRS. DEWEY & Co. have published a lithographic view of this building. Size, 12 by 19 inches. The workmanship does credit to Geo. H. Baker, the Lithographer. The dimensions of the Pavilion are 375 feet in length, breadth 220 feet; dome 108 feet high and 100 feet diameter, the area being 55,000 square feet. P. J. O'Connor Esq., is the Architect. We hope the sheet will prove highly remunerative.—ARGUS.

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Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

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A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.

San Francisco, May 6th, 1864. 20

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DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

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Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF SEPTEMBER, 1864.

Sep. 13—SACRAMENTO.....Geo. F. Bradbury.
Sep. 23—GOLDEN CITY.....Capt. W. F. Lapidge.

From Folsom street Wharf, at nine o'clock A. M., punctually.

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PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOGRAPHICAL MAPS AND MINING ENGINEERING IN ALL ITS BRANCHES.

☞ References given where required. ☜ 26-3m

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Gold Quartz suitable for Cutting Jewelry.

By FRONTIER & DEVIERCY.

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To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are boxing manufactured. THOMAS VARNEY.

sep21

THE STATE SANITARY COMMISSION.—The Californaia Board of the U. S. Sanitary Commission is now sending out agents through the State for the purpose of organizing local associations in all the principal towns aad mining camps of the interior. Three agents are already in the field. A report was received on Tuesday from Rev. Mr. Chapin, who was the first agent sent out, and whose department comprises Nevada and Sierra eouaties. He began his work last week in the towu of Nevada, and organized a subordinate Commissioa of a hundred members, who subscribed fifty cents a month, to be forwurded regularly to the parent office here. All collections are to be made by the offieers of the local organizations and forwarded direct by them to the Treasurer of the State Commission. No money will pass through the haads of traveling agents.

As the local organizations will select their own offieers, it is expected that none but the most effieieut aad trustworthy will be entrusted with the funds. When this system of organization is perfeeted it is expeeted that California will contribute from $30,000 to $50,000 monthly in aid of this great aud humaue objeet. This, in greeabacks, will foot up a telling sum for the sick aad wounded soldiers.

Californuia is not called upon to furnish men for the armies, but she is doing more by her liberal aad patriotic coatributions. She is aetually *saving* more lives than would be her quota under the eall for volunteers. Nearly one half of all the lives lost in all wars, are from the uaavoidable neglect of sick and wounded soldiers, in and after hattle, when their eare is left to hired army nurses. Florence Nightingale immortalized her name hy starting the idea, out of whieh has grown the great National Sanitary Organizatioa of the United States. Californuia has been denominated the right arm of that organizatioa. Let her *deserve* as well as wear the laurels. The mission of California is to save life. Her's is a work of love and benevolence in wbich all of every shade of opiaioa in politics or religion can heartily join. For, be it remembered that the Sanitary Commission knows no sectarianism, no politics. The christian aad infidel, the rebel aud loyalist, are all alike to it. Wherever a sufferer from the horrors of war is found, there its work begins and stops not till the last one is relieved.

STANNARD'S PUMPS.—Ia the article of pumps tbe exhibition at the fair is particularly complete, froai the powerful machine of Capt. Harrisoa to the miniature modcl. But ia cheapness, durability and non-liability to get out of repair, Staanard's Rotary lift and force pumps possess several advantages. One of these pumps has been used by the Beasley Water Company for the last seveu months, and though but 8¼ inches in diameter, it supplies 100,000 gallous of water to that company every 24 hours. The largest oae on exhibition at tbe fair, is 12½ iaches. The small ones, which will lift 30 gallons of water per minute, 25 feet high and force it through aay leagth of hose, are only 5½ inches in diameter, and cost but $30, and require so little force to work them that a child cau tura their bandle. Tbese pumps are worthy the notice of farmers on the plains, miners, as well as of every onc requiring a supply of water from a well or cistern.

RICH LEAD.—A quartz lead, hut receatly opeaed, near the French mill on Little Deer Creek, says the Nevada *Transcript*, now yields the haadsome sum of $60 to the ton. Last week the "clean up" amouated to $3,000. Tbis lead was struck last March.

COLDS AND COUGHS CURED.—The poor man's riches, the rich man's blessing, is health, which is secured by the use of Brandreth's Pills. The wise use is when we are in pain or sick—say in doses of four or five every day or two, until we are well. These pills are not only good for the body, but for the mind; they cure restlessness, impatience, and irritability of temper, and no medicine can be compared t them for the cure of coughs and colds. Sold by all druggists.

THERE is nothing equal, in the way of a plaster, to the Porous Plaster of Mr. ALLCOCK. Everything is pleasant about them. They are the plaster of the day, and a fit type of our present advancement in science and art. In Asthma, Cough, Kidney Affections, and local deep-seated pains, they afford permanent relief.

J. F. JOHNSON, M. D., on "Topical Remedies."
Sold by all druggists.

THE WHEELER AND RANDALL PAN.

This new addition to the amalgamating machiuery of our State, is on exhibition, botli in model and working size, at the Pavilion, where it is attracting eonsiderable attention. The priaeiple on which this pan is coustructed is quite aew, although much resembliag another pan located near it, and well and favorably known to most of our quartz miners. All who bave paid any especial attention to tbe mechanical philosophy of grinding surfaces, as employed in the form of plancs, know there is a great difference hetween the amount of wear of the plates and mullers in the ceater of the surfaee and those at the circumferenee. A very simple mathematical demonstration, shows the preeise amount of this differenee, which may be stated with absolute precision as follows:

The mechaaieal work of plane, circular plates of the usual ring form, is niaety-eight.

The mechaaical work of conieal plates of the most approved form, is one hundred and tea.

The mechanical work of tractory formed plates, as iatroduced ia the iavention of Wheeler & Raudall, is oue huadred and seveuty-seven.

That is, the tractory formed grinding plates will reduce one hundred and seventy-seven tons of ore, the conieal grinding plates oae hundred and ten toas, and the plane circular griadiag plates ninety-eight toas, to the same degree of fincaess ia the same time.

Thc first of the above forms is tbat generally employed; the secoad has been employed by Peterson & Hepburn, and the third has now heen brought out by Messrs. Wheeler & Randall. The idea of adopting the tractory conoidal form of plates originated with Messrs. Wheeler & Randall, and the perfected plan as now exhibited hy them, has been tbe result of mach study aad calculation. The mathematical demoustratioa of the aechaaical properties of the traetory curve which they have adopted, occupies some twenty pages of maauscript, and has been pronounced by Professor Silliman, to use his own words, as "original and very interesting, and satisfyiug perfectly the praetieal requirements of the problem." The caleulatious have also been submitted to F. D. Hodgson, Professor of Mathematics at the College of Californuia, in Oakland, who, after a careful examinatioa of the demoastrations and calculations, has pronouaced them "correct."

The inventors will take pleasure in exhibiting to visitors at the Fair, who are especially interested ia such matters, the peculiarity of this machine, and the important fact which it develops of tbe superiority of the conoidal over both the plane and coaical surface, as applied to quartz reduction. This inveution is one of the most successful aud interesting applications of strict mathematical science to practical mechanics, which is ofteu met with, aad reflects much credit upon the iagenuity aad scieatific researches of tbe iaventors.

SUNSCRIBE.—No more opportuae time for subscribing to the MINING AND SCIENTIFIC PRESS cau be had than the present. Commencing with its last issuc, and running through three or four more numbers, will he found the fullest report of the Great Industrial Exhibition now in progress, which will be published. The PRESS is the miners' and mechanics' owu paper, and the oaly one on tbe contiaent entirely devoted to their specialities. It is also a most excellent *Family Paper*, all the matter which it gives, beiag coafined strictly to that whicb is useful aad instructive. Persons from the iaterior who would like to subscribe for the most valuable paper on the coast will do well to call at the office of publication, No. 57 Governmeat House, corner of Washiagton and Sansome streets, or at the desk of the DAILY FAIR PRESS, in the Pavilion, at both of which places specimen numbers may be seen.

THE fifth annual Fair of the San Joaquin Valley Agricultural Society opened in Stockton on Tuesday, aud will continue four days.

MUSIC OF THE ANCIENT HEBREWS.—M. Salvador Daniel lately published, in Freaeh, a work entitled "Arab Musie." In this publieation tbe following passage occurs: "One cau say, guided by history, that the ornate style has always been pre-emineatly the style of the Orientals aad partieularly the Jews. In order to sbow the large sbare whieh tbe latter had in propagating and preserving the florid style, we will only cite two faets—one we borrow from aneient, the other from contemporary bistory. The ornate chant was introduced into Greece at the time of Plato says Aristines Quiutilian, by a Jewisb singer, Timothy, of Miletus; when tbe emperor of the French visited Algiers, a Jewish singer was selected from among many others to sing Arab airs before him on aeeount of his eminent talent. It may therefore be averred without paradox that the ornate chant is bêtter in its place as a leal characteristie in the mouth of the Jews, the Egyptians of Moses, and the Bablyonians of Semiramis than ia that of such persoaages as Barbier and Count Oru.

THE PAVEMENT of London is one of the greatest marvels of our time. It covers 3,000 aeres, two-thirds whereof coasists of what may be called mosaic work, done in plain style, aad the other third of smooth flagging. Sueh a series of works far transeends in quantity the Appiaa Way, whicb was the wonder of aneient Rome, and whieh would eut but a poor figure contrasted with one of our commonest streets. The ancient Cousular Way was but fifteen feet wide in the maia, and was filled with blocks of all sizes and shapes, jointed together and planed on the surface; the leagth of its devious course, from north to soutb of Italy, was under 300 miles. The paved streets of London number over 5,000, aad exceed 2,000 miles in leagth.

A BAD CALCULATION.—The managers of the Gould & Curry mine reeently reeeived a large east-iron balauee wheel, weighing 4,600 pounds, designed to be attaehed to their under grouad engine. On its arrival it was found too big to be taken into the tuanel. A had caleulatioa, certainly. They had another wheel, however, wbieb was cast ia two sections, aad has been substituted. The hluader was thus remedied.

CHEAP, STRONG AND ELEGANT.—These characteristics may be hoaestly applied to the tnaks manufactured by Steel & Co., 224 Sausome street, whose trunks, carpet-bags and satchels are exhibited at the Fair, and are really elegaat, strong and cbeap.

New This Week.

Fairview Copper Mining Company, Gopher District, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 3d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J S Owens	7	10	$4 00
J S Owens	10	10	4 00
J S Owens	14	10	4 00
J S Owens	19	10	4 00
J S Owens	20	10	4 00
J S Owens	22	10	4 00
J S Owens	24	20	8 00
J S Owens	25	20	8 00
J S Owens	26	20	8 00
J S Owens	27	20	8 00
J S Owens	30	50	20 00
J S Owens	60	3	1 20
W W Lee	47	5	2 00
A W Owens	31	75	30 00
J M Williams	37	100	40 00
J M Williams	38	50	20 00
J M Williams	39	50	20 00
J M Williams	40	25	10 00
J M Williams	41	25	10 00
J M Williams	42	17	6 80
A H Parks	44	15	6 00
I I Brooke	48	25	10 00
I I Brooke	49	25	10 00
I I Brooke	53	20	8 00
I I Brooke	54	10	4 00
I I Brooke	55	10	4 00
I I Brooke	56	10	4 00
I I Brooke	57	10	4 00
I I Brooke	59	100	40 00
I I Brooke	61	10	4 00
Alf Shaw	73	20	8 00
Alf Shaw	74	20	8 00
Alf Shaw	75	20	8 00
Alf Shaw	77	20	8 00
Alf Shaw	78	10	4 00
Alt Shaw	79	10	4 00
Alf Shaw	80	10	4 00
Alf Shaw	81	10	4 00
Alf Shaw	83	3	1 20
Herman Donner	88	50	20 00
H M Beers	118	10	4 00
Henry Donner	102	50	20 00
J E Graves & Bros	108	50	20 00
J E Graves & Bros	120	77	30 80
Wm Leckey	113	25	10 00
L Ocenbrook	119	10	4 00
James Glass	121	10	4 00
H M Owens	122	20	8 00
S B Serrington	123	25	10 00
Thos H Hutchinson	124	10	4 00
James Ritchie	131	200	80 00

And in accordance with law, and an order of the Board of Trustees made on the 15th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the Company, on the 1st day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. WILMOT, Secretary.

Office, No. 537 Washington street. 12-4t

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of September, 1864, an Assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 3d day of October, 1864, in United States gold coin to the Secretary, at his office, or to H. MORRIS, in Markleeville.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [12-4t

Providence Gold and Silver Mining Company, Works at Nevada County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 16th day of September, 1864, an assessment of one ($1) dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at his office, No. 8 and 10 Government House, Corner of Washington and Sansomo Streets, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the Twenty-Second day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, November 5th, 1864, at 12 o'clock M. to pay the delinquent as sessment, together with costs of advertising and expenses of the sale.

12 J. M. BUFFINCTON, Secretary.

Salinas Gold and Silver Mining Company, Sa- linas, Monterey County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of September, 1864, an Assessment of twenty (20) cents per share was levied upon the Capital Stock of said Company, payable on the 12th day of September, 1864, in United States gold and silver coin to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. S. JOSSELYN, Secretary.

Office, Room No. 27 Covernment House, corner Sansomo and Washington streets, San Francisco. 12-4t

Tallulah Mining Company, Sierra District, Humboldt County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 6th day of June, 1864, an assessment of $15 per share was levied upon the Capital Stock of said Company, payable immediately then, in United States gold coin, to the Secretary, at the office of the Company, No. 623 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 1st day of Nov. 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CEO. A. HILL, Secretary,

Office, No. 523 Montgomery Street, San Francisco, Cal. 12

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 15th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Roteh Augier	242	10	$5 00
J P Bell	59	12	0 00
H T Booraem	6 7 8—ea 25	75	37 50
H T Booraem	9	12	6 00
H T Booraem	10	10	5 00
A E Burr	222	22	11 00
W F Barnes	245	87	43 50
Joseph Coulter	80	10	5 00
E Franklin	4	12	6 00
J W Fox	03	8	4 00
J M Fulton	217	5	2 50
S A Fisher	236	100	50 00
E Graham	235	2	1 00
J T Hinds	146	10	5 00
J T Hinds	194	15	7 50
J H Hall	156	10	5 00
Mary G Hall	208	5	2 50
J A Hunt	240	10	5 00
G H Johnson	25	10	5 00
A P Johnson	224	5	2 50
B R Johnson	234	40	20 00
W H Knapp	91	12	6 00
Eben Johnson	239	10	5 00
W S Lyons	186	5	2 50
W S Lyons	187	7	3 50
W H Lentz	199	2	1 00
W H Lentz	225	3	1 50
S H Leland	219	97	48 50
F E Nourse	244	20	10 00
Wm Osborn	51 53—ea 25	50	25 00
John Potter	241	10	5 00
J G Perkins	147	10	5 00
H G Partridge	124	10	5 00
J G Read	16 17 18—ea 25	75	37 50
J G Read	19	12	6 00
A Torning	190	10	5 00
H Regensburger	228 230—ea 10	20	10 00
H Regensburger	229	5	2 50
H Regensburger	231	15	7 50
H Regeusburger	232	50	25 00
H Regensburger	233	2	1 00
C A Tomlinsou	103	5	2 50
C A Tomlinson	220	10	5 00
A F Tilden	243	30	15 00
J M Vizini	227	10	5 00
C Wood	196	5	2 50
D Wredo	142	5	2 50
Mrs Sarah Winters	240	5	2 50
S J Waters	121	20	10 00
S J Waters	166	12	6 00

And in accordance with law, and an order of the Board of Trustees, made on the 15th day of August 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 3d day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. M. G. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 12

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, SEPTEMBER 24, 1864. | VOLUME IX. Number 13.

"Pundit" on the "Mathematics of Mining," Once More.

EDITORS OF THE PRESS:—Lest the clause "contrary to all scientific usage" in my former communication, where treating of the use made of the word "traps" should be misunderstood, I will state that although in its strictest sense as relating to the purely scientific, the statement is correct, yet Mr. Easton is not alone in a departure from the restricted use of the term. Prof. Jukes, a quite recent geological authority reports it as a vague general title for a certain class of erupted rock, but unlike Mr. E., does not confound it with *volcanic* rocks, place it as an absolute affix to self-invented or the original names not entitled to it, nor immediately league it with epithetical designations rendering the combination equivalent to the expression a "false truism." When George Washington Hannibal Snooks acquired his happy patrimonial prefixes his parents undoubtedly felt that they had bestowed upon their offspring a dignity and endowment above that of common mortals; pretty much the same parental regard I should judge had induced the originator of a new order of "traps" to designate the wall rock of one metallic vein "talcose, amorphous greenstone trap" and that of another "amorphous, greenstone talcose trap."

The number of changes that can be thus rung upon half a score of names he adds to the list of traps depends apparently upon the number of mineral veins he may examine. At any rate like that thoughtful old tyrant of ancient times who possessing beds of standard lengths stretched or cut of the limbs of his guests to make them fit their respective couches, thereby adapting ends to means, Mr. E. will not probably fail to find "traps" to be baited with anaconda titles, certainly not when he can discover massive formations before unknown in nature.

In first questioning the mathematical accuracy of the articles entitled the "Mathematics of Mining" it was not my intention or desire to detract in any manner from whatever might be meritorious and at the same time possessed of originality either in form or connection in said articles; for he who adds a single fact to the elements of a science has accomplished a work worthy of praise. But if a solitary fact must be received in a setting of errors I doubt the benefits immediately conferred as I would if presented a nugget of gold concealed in a mountain of earth. Amid the mass of errors in Mr. Easton's communication there struggles an idea deserving of a better fate than being gibbetted with bad names.

This idea, which is not new with Mr. E. relates to a system in our mines represented by rocky belts running northwest and southeast, along which in precisely similar connections occur mines of the same general order and character. He narrowly escapes giving the number, width and order of these belts, and thereby a data wherewith other observers might compare their own knowledge of them in other situations. It is evident that Mr. E. has studied these belts in the vicinity of copper and quartz veins, where chemical action, whether we consider it as creative or merely a consequence of the vein formation, must be continually operating to produce changes in the surrounding rocks. Metamorphism is something overlooked in the formulas of "Mining Mathematics," and per consequence every gradation or alteration in the ordinary character of rocks—changes consequent upon the geological position of the primary deposition, or else subsequent to the assumption of a rocky form—assumes a new face. The claiming of positively new features in old general forms, marks a research as slight as a child's view of a kaleidoscope, wherein a few rude fragments of rock reveals to its vision a multitude of structures. He talks of a black metamorphic clay slate, forming the wall rock between the veinstone of a lode and the less altered general formation of clay slate as an individual belt of "black talcose slate." In what respect it can be considered talcose, it would puzzle a mineralogist to find out, unless by reason that over it, at the surface, the metamorphism is often talcose, while beneath, the characteristics are different; the notable appearance being a black color due either to iron or carbon and a close fibrous structure, though otherwise clay slate. Some of the talcose positions he notices are due to the causes I have mentioned, and are quite limited in area, while others more extensive have to all appearances been wrought from original magnesian sedimentary formations. It is through a failure to recognize the living and ever operating powers of nature and their results, that Mr. E. has given eccentric orbits to his mathematics. With him all true slate must be primitive and attended by anthracite coal, because, in countries where the strata is but little disturbed, they form considerable beds. And yet, slates are but the effects of metamorphism of structural form; either pressure or chemical action having produced cleavages more or less at right angles to the plans of stratification, and in the direction which Mr. Eaton sees glimpses of internal fires and of their igneous origin. Wherever we find an upthrust of erupted matter among obviously sedimentary beds, there we will either discover slates or silicious masses, regardless of the geological age, and the teachings of one who only discerns in such the primitive epoch of geological creation is reduceable to the primitive or the fossilized stage of geological knowledge.

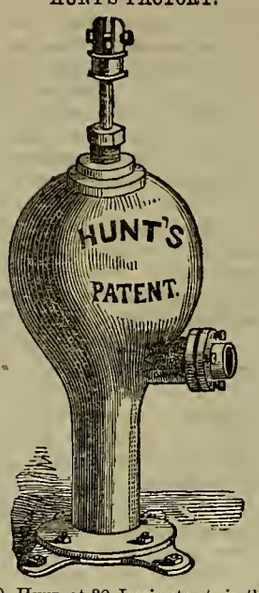
PUNDIT.

NOVEL UNDERTAKING.—Some individuals in Chicago have constructed, on the most primitive principles, an odd craft called the "Idaho," in which they propose to sail to the Territory of that name by water. A superstructure of old boards is erected on the hull of an old scow, and in it are located the berths, and on each side, together with a cooking stove and larder well stocked, while round the walls are hung in most admired confusion, rifles, revolvers, bowie knives and other weapons. The hurricane deck is covered with all manner of articles suitable in a new country, and a complete stock of mining utensils. The boat is propelled by means of a 12-horse power engine, which turns a stern wheel, such as are frequently seen in western waters.

It is anticipated that a speed of from eight to ten knots an hour will be attained; but whether she will be liable to make good headway against the rapid current of the Missouri River remains to be seen. It is proposed to sail up the Chicago river into the canal, and onward to the Illinois River; thence by the Mississippi into the Missouri River, sailing as far up as Fort Benton, the head of navigation. At this point the engine of the boat will be taken out, and with the cargo and baggage, conveyed across the country two hundred miles on wagons at Bannock City. On the arrival of the party to Bannock City, a brewery, distillery and saw mill will be erected. The engine of the boat will furnish the motive power when the buildings are completed.

GILBERT'S MUSEUM.—The Albinos; the Lightning Calculator; the Juvenile Giant—a boy of 18, eight feet high; the Swiss Warbler; the Snake Charmer; and an entirely new series of Cosmoramic Views, are a few of the things at Gilbert's Museum, on Market street.

HUNT'S FACTORY.



E. O. HUNT, at 28 Jessie street, in this city, manufactures a great variety of machinery, such as pumps, windmills, horse powers, etc., which have acquired great popularity among ranchmen and others requiring such machinery. Hunt's Endless Chain Power is a very useful machine for running small machine shops. The speed of this power is regulated by a common ball governor, creating a uniform and steady motion to all the machines driven by the horse. Hunt's windmill is too well known to need any special commendation from us. Scores of them are in constant operation in various parts of the State, and orders for others are constantly accumulating. Hunt's Pump is quite as generally and favorably known. It is adapted for all kinds of wells, and is both cheap and durable.

Hunt's Rotary Shears for cutting iron, is quite a novelty; also, his mill for grinding horseradish. The demand for bolts and nuts is so large in his business that he has set up all the machinery necessary for manufacturing these things on his own premises. He is also manufacturing a useful apparatus for running sewing machines, which latter is a rare blessing to those who are wearing their life away in this unnatural exertion of driving these useful and indispensible articles by "foot power." This apparatus is propelled by a weight, and the motion properly regulated by a governor working a brake against the balance wheel. A small but useful little machine for coring and paring apples is also made and sold by him. He has recently finished a pattern of a twelve foot lathe, and the first, we believe, ever built in California with all the modern improvements. Mr. Hunt has a veritable "Old Curiosity Shop," which it were well worth the while of people interested in such matters to visit.

SANITARY FUND.—The receipts of the skating pond in two days were $82; of the cheese, Thursday, $35; Friday, $37.50; making $154.50 for the Sanitary Fund in two days from those two sources.

CLASSIFICATION OF ARTICLES ON EXHIBITION AT THE FAIR.

Class I. Agricultural Implements and Machinery.
Class II. Mining Machinery.
Class III. Manufacturing Machinery and Steam Engines.
Class IV. Hydraulic, Hydrostatic, Pneumatic Engines and Machines, Turbines, Fire Engines, Pumps, Windmills, etc.
Class V. Copper, Brass, Iron, Tin, Lead, Etc.
Class VI. Stoves and Hardware.
Class VII. Watches, Clocks, Jewelry, Plate Ware, Chasing, Engraving, Etc.
Class VIII. Mathematical and Philosophical Instruments.
Class IX. Surgical Instruments and Cutlery.
Class X. Musical Instruments.
Class XI. Billiard Tables, Furniture and Upholstery.
Class XII. Carriages and Wagons.
Class XIII. Carving and Gilding.
Class XIV. Timber, Lumber, Scrolling and Turning Work, Staircases, Etc.
Class XV. Wood and Willow Ware, Coopering, Etc.
Class XVI. Wool and Its Manufactures.
Class XVII. Minerals and Mineral Products.
Class XVIII. Sugar and Its Manufactures.
Class XIX. Wire and Its Manufactures.
Class XX. Leather and Its Manufacturers.
Class XXI. Paper and Its Manufactures.
Class XXII. Glass, Porcelain and Crockery.
Class XXIII. Soaps, Oil, Glue, Rosin, etc.
Class XXIV. Stone Cutting, Masonry and Building Materials.
Class XXVI. Oil Painting, Photographs and Drawings.
Class XXVII. Architectural and Mechanical Drawings.
Class XXVIII. Statuary, Sculpture, Marble Work. Wax and Modeling.
Class XXIX. Sign and Ornamental Painting, Graining, Staining' Etc.
Class XXX. Ships, Boats, and Naval Stores, etc.
Class XXXI. Cordage and Ropes.
Class XXXII. Arms and Ammunition.
Class XXXIII. Wines, Liquors, Cordials, etc.
Class XXXIV. Horticultural, Botany, etc.
Class XXXVI. Domestic Machinery (Washing Machines, Coffee Roasters.)
Class XXXVII. Domestic Preparations, (Preserved Fruits, Pickles, etc.)
Class XXXVIII. Regalia and Military Goods.
Class XXXIX. Hats, Caps and Furs.
Class XL. Men's and Boy's Clothing.
Class XLI. Hair, Shell, Paper and Leather Fancy Work.
Class XLII. Millinery, Dress Making and Fancy Goods.
Class XLIII. Fancy Needlework, Worsted, Crochet and Knit Work.
Class XLIV. Curiosities.
Class XLV. Miscellaneous.

REAL AMAZONS.—Among the wounded rebel prisoners taken by Sherman at Atlanta were two women. The sex of one was discovered during the amputation of her leg. The other was mortally wounded by a grape-shot through the breast.

Gold in New York.

Friday, Sept. 16	223.
Saturday, Sept. 17	221.
Monday, Sept. 19	225@226.
Tuesday, Sept. 20	224.
Wednesday, Sept. 21	222.
Thursday, Sep. 22	221@222.

Legal Tender Notes.

San Francisco, Friday, Sep, 23 ..... 46¾ per cent.

The Mechanics' Fair.

From The Daily Fair Press of September 19th.]

The news from the East continues to be of the most cheering character. The Union armies have been victorious in a number of fights within the past few days, and Farragut with his fleet has Mobile at his mercy—three Federal ironclads being within the line of obstructions in the harbor ready to operate on the enemy. The government, in view of the importance of Atlanta as a base for military operations, has decided to make it a military station; and with the view to prevent the treachery that has so much impeded the operations of the army by informing the enemy of its commander's intentions, all the inhabitants have been ordered to leave, while traders and sutlers will not be permitted within the lines.

An entire regiment of North Carolina troops were captured by our forces on the 14th.

It is generally believed that the rebels, finding they cannot prevent Grant capturing Petersburg, are making preparations to retire from its lines toward Richmond—their last ditch.

The Southern papers like the Northern Copperheads are fearful in their denunciation of Sherman because he has hurt the rebels. Andrews of Massachusetts and Seymour of New York have been nominated for re-election as Governors of these States.

We notice that "Old Sanitary," the comical looking figure which has done such good service in behalf of the sanitary cause at San Andreas, Stockton, and the Christian Commission Fair in this city, has made his appearance at the Pavilion. The figure occupies a very prominent position by the side of the central fountain, and directly in front of the main entrance.

Messrs. Hansbrow & Redding have repaired the damage to their hydrostatic engine, and that beautiful machine is once more attracting the attention which it so richly deserves. The "Novelty Works" made a "clean up" on Friday, and retorted on Saturday, with the following result: 475 pounds of ore from the Ella Frances, Esmeralda, yielded $159.41; worked by E. B. Johnson. This little prospecting institution appears to be doing a good business.

The curiosity of our Chinese residents appears to be quite generally awakened, and we notice the attendance in increasing numbers, of the more intelligent and respectable portion of this class of people. The information which they will there obtain will not be without profit either to us or themselves.

The Sanitary fund, during the past few days, has received the following additional contributions: Ten specimens of silver ore from the "Esther" claim Reese River, worth as they stand, $50, presented by Mr. Reynolds of Placerville. A splendid robe by the people of Woodside, San Mateo County. This robe is made from the skins of the grey mountain squirrel and is really a fine affair. J. S. Harbison, of Sacramento, has donated six cases containing 24 section boxes of honey, weighing in the aggregate 360 pounds. Mr. Geo. H. Lovegrove, of this city has presented the Commission with a pair of elegant leather picture frames. Several other valuable contributions have also been tendered which will be introduced and described hereafter.

The receipts from the skating pond on Friday and Saturday amounted to $150; for the big cheese $102.

Scoundrelism.—Some malicious scoundrel has sprinkled the elegant miniature flower garden exhibited in the pavilion, with salt water, thereby killing, or seriously injuring that neat and attractive floral display. The proprietors offer a reward of $100, for the detection of the villain. We earnestly hope he may be found out.

The Total Receipts at the Pavilion, up to Saturday evening, had reached about $27,000, and the sale of the tickets still continues so encouraging that the managers have not yet began to think of fixing a day for the closing of the exhibition.

Hepburn & Peterson's Amalgamators.—These most effective machines, which introduced quite a new form and increase of power to amalgamators, and which have led to almost innumerable improvements in the direction these decidedly led, form one of the most interesting features of the fair. The beauty with which the pans of this form, there exhibited, have been finished at the Vulcan Works, attract the attention of those not initiated in mining, while their excellence for the purpose for which they were designed gains the approval of those whose interests are involved therein.

The peculiarity of these pans, and that which constitutes their excellence, is the conical shape of the pan bottom. The mullers or grinders being made to fit close to this bottom by a sort of lap, which is so arranged by means of a screw worked from the center, that it can be raised or lowered to any acquired degree of distance. These mullers, set in a diagonal form on this cap, when set in motion, force the pulp, after being ground and falling to the center under them, to raise over them and be re-submitted to the grinding process till fine ground as fine as required. There have been several improvements, or what are claimed to be improvements, on this motion, which is the best application of science to practice yet made in amalgamating processes. The fact that nearly fifty of the largest mills in this State and the adjoining territories, after using all the pans, have fitted up their establishments with these pans, and find them answer their expectations, is a greater proof of their excellence than any thing we can write on the subject.

How to Detect Mining Operations.—The application of saps and mines in the conduct of siege operations is the highest branch of military science. The advantages gained by Grant at Petersburg in the destruction of a strong rebel fortification by this means, is a forcible illustration of the advantages of such knowledge to a military commander. The detection of these operations to guard against them by a counter mine, is the most delicate and dangerous of military engineering.

An engineer of experience says that to ascertain if mining operations are going on in any vicinity it is only necessary to dig deep holes and place men in them to listen. He says that in some kinds of soil the work of excavation can be detected by sound at sixty rods distance. Had the rebels been aware of this fact Grant would not have scared them as he did at Petersburg.

[Tuesday, September 20th.]

This evening's dispatches to the *Bulletin*, contain the following brief but important paragraphs:

Detroit, September 20.—The steamer Parsons, plying between Detroit and Sandusky, was seized last night by 35 Confederates, who had taken passage on board of her at Detroit. They were armed with navy revolvers and hatchets. They subsequently captured the steamer Island Queen, and scuttled and sunk her. They then steamed towards Sandusky, but afterwards returned to Sandwich, where the vessel was seized by the Canadian authorities.

Washington, September 20th.—Yesterday Sheridan attacked the rebel forces under Breckinridge and Early near Bunker Hill, and fought a hard battle all day. A brilliant victory was won by our forces. The enemy was driven over twelve miles—2,500 prisoners were captured, nine stands of colors, and five pieces of artillery were taken. The rebel killed and wounded were left in our hands. The rebel Generals Rhodes and Gordon were killed. Four other rebel Generals were wounded.

Stanton.

The latest news from Petersburg corroborate the previous report that the rebels were about to evacuate that place and retire to Richmond. Several important changes are about to be made in the diplomatic corps. H. J. Raymond of the New York *Times* is reported as the next Minister to France, and Mr. Chase is to be sent as Minister plenipotentiary to the Court of England. General Binney has been shelling Petersburg in retaliation upon the rebels in firing on our pickets. It is reported that great damage was done the place, as the firing was kept up briskly for several hours.

The most extraordinary portion of the news, is the fact that the French troops in Mexico have got mixed up in this war.

It appears that a force of French troops were about to attack Matamoras, and were met by Cortinas with a large body of Mexican Nationals, who caused the French to retire in disorder—while the battle was going on a Rebel colonel, Ford, arriving with supplies for the French, took a hand in the fight to help the French—a Force of Federals, consisting of the 91st Illinois, hearing the firing, hastened to the place and drove the French and the Rebels a distance of five miles.

Don't Take our Paper.—A Poet whose name we have forgotten, says and he says truly:—He as takes what is'nt his'n, when he's cotched is sent to prison."

The truth of these lines we desire to impress on the minds of those who take the copies of our paper placed on file at our office in the Pavilion. We distribute about three thousand copies of the *Daily Fair Press* gratuitously, each day, and would cheerfully print more if the public or our patrons required it; and we must say that it is not high-toned, honest nor decent, to steal the few copies we save for our files. We hope such a hint will prevent a repetition of the annoyance; if it does not, we'll invent a machine that will put a black mark on the nose of him who thus prefers to filch what would be cheerfully given if asked for at the proper time and place. "Beware of the dog."

An Amorous Æronaut.—Late French papers tell us that while Mons. Goddard was recently inflating his monster balloon, he amused the audience by sending up an inflated figure of a man—a perfect resemblance, of natural size. The little æronant was soon lost to the sight of the crowd, but subsequently descended near the open window of a lady who was engaged at her toilet and whose isolated mansion was supposed to be safe from any prying eyes. While thus engaged she was surprised by the apparition of a man who suddenly entered the window, unannounced, and moved towards her. In her fright, she could only utter an exclamation of terror as she pushed the apparition from her, which immediately rolled under the bed. The screams of the lady quickly brought her husband and two or three servants to her door, armed for a fight. She could only point beneath the bed with an intimation that a man was there. One of the attendants cautiously approached, and catching the intruder by the leg, drew him forth from his concealment, when lo! Monsieur Balloon, no longer held down by the bedstead, raises himself erect, swells out, and rises majestically to the ceiling, to the immense amusement of the spectators; while the poor jealous husband slinks away, sword and all, heartily ashamed of his causeless wrath.

The Lincoln Pen.—About four hundred persons have placed their autographs in a book kept for the purpose at the Pavilion, and paid each one dollar, as contributors for the "Lincoln Pen," a superb gold representation of a goose quill pen, in which thirty fine diamonds are set as an embellishment. This beautiful article was donated to the Sanitary Fund by a manufacturer in this city. The money collected from the signers enrolled in the book, will be forwarded to that Fund when the pen shall be sent to the President.

A Crash.—The freshly erected cupola crowning the Church of the Transfiguration at St. Petersburg came down on the 18th ult. with a terrific crash. The loss of life would have been comparatively limited had not crowds of townspeople forced an entrance into the edifice beyond all control from the police or military in immediate attendance, The concussion created by the falling dome in a short time brought down the whole structure, overwhelming several hundreds in the ruins.

Another Novelty in Quartz Crushing. Rix, Logan, Small & Co., have set up in a room alongside our printing office at the Fair, decidedly the most novel of all the novelties in quartz crushing machinery, which they call a trip hammer crusher. It is something in the manner of a trip hammer that the crushers of this ingenious machine operates. To describe this machine were as impossible as to paint a sunbeam or describe the feeling of love. The machine consists of a central iron beam about two feet in length, something like the walking beam of a steam engine, to each end of which is attached by a pivot bolt a square faced hammer with a curved iron handle. This beam, set in motion by a wheel and belt, bring the force of these hammers alternately in contact with a post, curved so as to admit them to just pass in the circle formed by the revolution of the beam, till they arrive at that point where their own weight causes them to fall upon a die with an immense force, sufficient to crush the hardest rocks at a single blow. These hammers revolve at a velocity of eighty times in the minute, within a circular iron covered frame, to which a most ingeniously contrived hopper is attached; the size of this iron box is but thirty inches in diameter, and the weight of each hammer forty-five pounds, the face of each being three inches by five. With this very simple arrangement a one-horse power engine can crush five tons of rock during an ordinary day's work. There are some contrivances about this machine which deserve the notice of practical men—such as the method of feeding the rock to the hammers; the cleaning the crushed rock from the die, which is done by means of holes around—the crushed rock passing on to a sieve, through which none but such as is fine enough for the amalgamating pans can pass, the remainder, by means of a very novel form of an elevator, is repassed under the hammers till crushed fine enough. This machine, which works like anything rather than a quartz crushing mill, is very compact in structure, and we are informed cost about $1,000. Roper's caloric engine runs this machine, in addition to our printing press, a circular saw, and a large size Stannard's rotary lift and force pump; this engine is only two horse power, but it performs an immensity of labor.

A Cheap, Simple and Perfect Pump.—Among all the pumps on exhibition at the Mechanics' Fair—and there are a legion of them—for simplicity of construction, ease of motion and effectiveness, there are but few that excel M. D. Laswell's pump.

This plain, black painted, iron pump, of the old fashioned long handled form, by a very simple arrangement of an air valve below the water, enables a child to raise a very large stream with scarcely an effort. By the merest movement of the lever handle, its extreme end not moving more than three inches up or down, a stream of water the full size of the nozzle of the pump is delivered in such a continued flow that it is as clear and as solid as an icicle. There is no flutter, or break, or splashing, to mark the length of each stroke but one solid continuous stream, such as no other pump on exhibition delivers.

These pumps—so easily fitted in well-holes, so cheap, and requiring so little pressure to work them—are just the things for farmers who have to irrigate their lands. A five-feet windmill would be sufficient to work half a dozen of them, which would raise water enough to irrigate 1,000 acres. To families who use well water, this pump offers the advantages of cheapness, durability, simplicity of structure, and power. The specimen on exhibition at the Fair, might pass unnoticed by many, in consequence of its unobtrusive appearance, but a trial of its powers will satisfy any one that it is all we say of it.

A Vein of rich iron ore has recently been discovered at Walnut Grove, N. J., and which is eleven feet wide. A portion of it runs along the surface of the ground, and from appearance can be mined for at least two years without the use of machinery. The ore contains about eighty per cent. of iron.

Gold Mining in Great Britain.—A writer in the *London Mining Journal* appears to think that the gold fields of Great Britain are deserving of more attention than has hitherto been devoted to them. He thinks it strange that they should have been digging and delving after gold in Australia, New Zealand, and California, and neglected looking after their own gold fields at home; especially after a prospectus has been put forth by a well known and reliable company, in which it is stated that 788 ounces have been obtained from 1 ton of ore, that 909¼ tons of ore have produced 7,148 ounces of gold, all of which has been sold to the Bank of England. Now, if such results can be obtained from the quartz rocks of Wales, why, asks the writer, should not like results be obtained from similar rocks in England? The writer claims that the silicious rocks of several districts, and known to be impregnated with the precious metals, both gold and silver, and thinks the only reason why they are not made to pay is the lack of experience and knowledge in treating the ores.

The Whole Process.—Hopkin's novelty Quartz Mill and Amalgamator on exhibition at the Fair, performs the whole process of crushing the rock, amalgamating the metals and forming the bar of bullion, so that those curious to know how the gold and silver is obtained from the rock may have an opportunity of witnessing the interesting process without taking a trip to the mountains. On Saturday Mr. Hopkins obtained quite a large bar of bullion from a quantity of ore from Aurora, much to the satisfaction of the owners of the claim from which it was taken, and to the interest of a crowd of visitors who watched the process to completion.

The Wide West.—The Wide West commenced crushing from their old vein, recently re-opened in their upper chamber. They will make a two weeks' run before cleaning up. The Superintendent writes that the rock is improving, and hopes to realize $60 per ton. After this cleaning up he expects to be able to keep the mill running full time. It is now running only during the day.

The Blue Lenge, El Dorado, are down with shaft No. 5, 102 feet, and commenced drifting last week; they also started up the mill on rock from this shaft, which is in the regular "blue ledge," and will make a ten day's run before cleaning up. The Superintendent writes encouragingly with regard to the appearance of the rock.

The Overland Mail has resumed its regular trips. The stations have been rebuilt, and station-keepers, stock and provisions distributed along the route.

The Postmaster of this city, gives notice that all letters will hereafter be sent Overland, unless otherwise ordered by their writers.

The Sanitary Fund has realized over $1,800 from the fees derived from visitors to the Camanche. The collectors at the gates have recently been furnished with a small card, just the size for a gentleman to tuck in his vest pocket, which they present to the visitors as they pass in, on which is printed the measurement and weight of the most important parts of the Monitor.

Lusus Naturæ.—The Stockton *Independent* says there is a "Side Show" at the Fair Grounds in that city, which consists of a ten-toed ox, a three-legged bull calf, a three-legged dog and the celebrated upright game cock. Of all the curious freaks of nature these cap the climax, and their equal is rarely to be seen.

Heat and Light.—If a body, such as a piece of iron, be heated and allowed to cool in the open air, the heat gradually passes off from the surface in straight lines, in the form of rays, in the same manner as light proceeds from the candle or the sun; this is called radiant heat. Radiant heat is supposed to move with the same velocity as light; that is, at the rate of 192,000 miles per second.

Treasure Arrived.—The steamer *Sierra Nevada* arrived Monday, from Portland and Victoria, bringing $205,000 in treasure, the mails, and a large number of passengers.

[From The Daily Fair Press of September 21st.]

THE LESSON OF THE AGE.

An American citizen whose heart is warmed with the emotions that characterize the patriot, must feel proud at the progress his country has made in all the arts, sciences and manufactures, during the comparatively brief period of its existence, and pain intense at the thought of the dangers which peril the continuance of those free institutions that have caused this glorious progress, and made America the leading nation in the world's civilization. The experiment we have made before the world, that men are capable of self-government, has proved so successful that crowned monarchs, fearing the progress and spread of the doctrine that all men are created free and equal, have conspired to destroy the grand monuments of Republicanism reared on this soil, and view with satisfaction the fearful internecine strife now raging between Right and Wrong, between Freedom and Slavery. But laying this deplorable view of the subject aside, what a matter for pride and rejoicing is all else connected with our country's history and progress. When the independence of the original thirteen States was first achieved, on the records of the whole civilized world not more than one thousand inventions were entered; within the past sixty years, only, more than sixty thousand inventions have been recorded at the patent office at Washington. Inventions that have revolutionized the ideas of the world in the arts, sciences and manufactures, as much as our free institutions have revolutionized the thoughts of men in the theory of government. The steam engine has here received its greatest improvements and most various application to human industry. The electric telegraph is peculiarly an American institution, while sawing, planing, turning, and agricultural machines, have won the prize for American genius, against a world of competitors. The sewing machine, that has made millions of homes happy by rendering woman's toils lighter, is another monument to American genius, while look at the objects at the Mechanics' Fair, a peculiarly local exhibition. Here, where a dozen years ago the wisest of men discarded the idea of effecting a permanent location in a district of ever moving sand and rugged rocky hills, we find laid out one of the finest cities in the United States, crowded with more than 120,000 of the most vigorous, energetic and enterprising people in the world—whose intercourse and trade ramifies to the Orient and the Occident; to whom India, China, Japan and the Islands of the ocean on the one hand pay tribute of their products, while on the other the trade and commerce and markets of the whole of Europe are governed by the supply of her staples of gold, silver, grain, wool, and wine. Look around the huge Pavilion crowded with the products of our soil, our mines and manufactures. Is there a single branch unrepresented? If in twelve years we have accomplished so much while overcoming the prejudices and a yearning for home that distracted the love of the majority between the new State of their adoption and that of their birth, what may not be expected of a country so blessed in climate, soil, products and people as California. The lesson of the age to us teaches fidelity to ourselves, our duty, and justice, and the imagination cannot reach the limits of our progress. But if we betray the trust reposed in us, by destroying the cause of country and humanity, our prosperity will be blighted and progress delayed. The country we possess was the possession of our neighbors; who by petty wars and subdivisions of their country prevented the development of its resources. Let this be the lesson of the age to us; let their example be a beacon to guard us from foundering on the shoals of division. Let us never forget that united we stand, divided we fall; and remembering this, let us battle for the Union.

To Prevent Milk from Turning Sour.—To each quart of milk add fifteen grains of bicarbonate of soda. This addition will not affect the taste of the milk, and it promotes digestion.

"Multum in Parvo," is a most appropriate expression to apply to Mr. Fauchery's miniature turbine wheel which he exhibits at the Pavilion. Last evening a two stamp battery, weighing 250 pounds, was hitched on to this little wheel, which walked off with the load quite easily, and at the usual speed for such work. This is quite a feat for a wheel 2½ inches in diameter. It is a double turbine, of Mr. Fauchery's invention, and is driven by an inch water pipe, with 200 feet head. The driving shaft is only 12 inches long. The wheel makes 5,000 revolutions a minute. The power is taken off from the driving shaft by two pulley's of about the same diameter as the wheel, and the speed reduced by intervening pulleys and gearing.

Hudson's Pump—The great improvement on a most useful machine by Mr. Hudson and one which gained for him the silver medal at a previous Mechanics' Fair, is well illustrated by the splendid pumps he has on exhibition at the present one. The peculiarity of this pump is that while it has more valves than any other, enabling it to combine the powers of the rotary-lift and force pump principles, it is so arranged that it is almost impossible for it to get out of order. These pumps work so easy that a child can raise a respectable stream of water from a depth of 100 feet and force it up an hight of 100 feet or more. The beautiful working model on exhibition at the Fair is well deserving of notice.

An Excellent Return.—Mr. Joseph Healy has shown us the certificate of a working assay of ten pounds of rock from the Aspinwall Company's lode, Amador District, Reese River, giving us a result of $8.26 in gold and $240 in silver. The bar accompanying the certificate is a handsome guaranty of the quality of the ore. We understand the pay quartz of the lode is now developed two feet in thickness at the depth of forty-five feet. The members of the Aspinwall Company are in earnest, and are bound to prove the ledge.

Another Rise.—The California Navigation Company, raised the rates of fair between this city and Sacramento to $3, immediately after the late disaster to the Washoe. We understand that another advance was made on Monday last, to $5, which we presume is to be the regular rate in future—or until another opposition boat makes its appearance on the river.

A Meteorological Phenomenon.—A heavy mist loaded with dust, and accompanied with a fierce, hot sun overhead, occurred on the coast, below Point Concepcion, on the afternoon of Sunday, the 11th September. The thermometer rose to 90 degrees in the shade, without a breath of wind, and it is supposed it was from the tail end of a Colorado or Mojave sirocco, which had got blown out as it drifted towards the coast. It was attended, we are informed, with great heat and lassitude.

Buy a Ticket.—Visitors at the Pavilion should bear in mind the fact that the beautiful and costly French carom Phelan billiard table, there on exhibition, is to be raffled off at the close of the Fair, and that Mr. Hughes has donated the entire proceeds to the Sanitary Fund. A dollar paid for a ticket is a dollar given direct in aid of the sick and wounded soldiers of the Union.

Another Steam Fire Engine, for the Tigers, No. 14, arrived on the steamer Golden City. It is similar to the one on exhibition at the Pavilion, and by the side of which it will be placed on exhibition, in a day or two.

City Valuation.—The assessment rolls of this city, which have just been completed, show a valuation of real estate at $47,292,904; and personal property at $33,433,261, making a total of $80,738, 164, as the property valuation of San Francisco.

The Oldest Bell in America is to be found in the Catholic chapel in the village of St. Regis, on the St. Lawrence river. It was taken from Deerfield at the period of the French and Indian invasion, 1704, suspended on a pole, and carried by Indians through the wilderness to its present location.

New Books.—Among the long list of new books received at the extensive establishment of A. Roman & Co., 417 and 419 Montgomery street, is the most valuable work on metallurgy ever published on the Pacific coast—Knistel's great work on the process for extracting gold and silver—containing the recent discoveries in this important branch of science, with details of tests, descriptions of ores and apparatus, written in terms so plain that and one can understand them—price $6; every miner and mill owner, and those interested in mining, should possess one of these books of reference.

Funo Fano, a Chinese merchant of Canton, now in this city, has entered his autograph signature in the book kept at the Pavilion for that purpose, as a contributor to the "Lincoln Pen." The Chinamen are contributing quite freely to the Sanitary fund.

Hanscom's Crusher.—The engraver is now employed in executing a fine drawing of this modest, but very important machine. It is really one of the best inventions brought out at the present Fair.

Revival of an Old Art.—Nile & Kollmyer, ornamentors and gilders, in the Russ House Block, have revived the ormolu style of gilding, so much in vogue in the middle ages. They exhibit a number of elegant articles at the Fair, in this ormolu and other methods of gilding, which are beautifully done. They have a good and established reputation.

Quartz Mill Burned.—The Hinchman Mill, Placerville, was burned on Thursday night. This was one of the finest mills in the State and was insured for $10,000. The fire was the work of an incendiary.

Knowledge is Power.—If you desire to have this power, and require any description of book on Mechanics, Engineering, Mineralogy or any other ology or science, just send your orders to H. H. Bancroft, 609 Montgomery street, who has the largest stock of such books in the State.

It Pays for Itself.—Dunbar's Patent Self-Adjusting Piston Packing, on exhibition at the Pavilion, is one of the most economical of all the modern appliances to steam engines. It is equally good for new or old cylinders. No engineer or machinist should leave the Fair without seeing them.

Preserve Your Paper.—As many important articles are inserted in this paper which do not find their way into any other journal, parties receiving copies will do well to file them, as oftentimes reference to a single paragraph may prove of great value.

Mr. Jacob Shew, at his extensive photographic gallery, 315 Montgomery street, shows at the Fair, what he can do in the art of which he is such a proficient. The pictures in his gallery are executed in the very highest style of the art.

New Gunpowder.—A correspondent mentions that a new kind of gunpowder, manufactured by the use of saw-dust, is being used with success for mining purposes at Dutch Flat. Will some one give us more light on the subject.

How to Stop a Leaky Roof.—The season is fast approaching when it will be essential to have tight roofs. This may be easily obtained and all leaks stopped by attending to the following directions from a correspondent of the *California Farmer:*

Cover the roof with canvass of some kind, boil coal tar till it lays still in the kettle; make a swab of a piece of sheepskin with wool on, and swab the tar on hot; give it two coats and the job is done. I had a roof that leaked, four years ago last fall; I simply covered it with drilling, and the next fall I swabbed two-thirds of it with pine or common tar, and the other third, as an experiment, I covered with coal tar as above; the result was that the part covered with pine tar, all rotted and came off in one year, while that portion covered with coal tar, is apparently as good as ever.

Excellence and Economy.—These two important qualifications are combined in the beautiful photographs taken by Beardsley & Swasey, No. 205 Third street, near Howard; a fact which may be proven by a single trial.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Sept. 24th, 1864.

The Stock Market has shown considerable strength since Saturday last, and almost every share dealt in recently, has been well maintained. The aggregate transactions have been, however, smaller than those of last week. A better feeling is discernable and most stocks are strongly held in expectation of a further rise. The average yield of the productive claims of Nevada Territory, is now larger than for some time past, and, from all that we can learn, the probabilities favor a still greater production tho ensuing fall.

Receipts of Treasure from the interior and north coast during the past ten days exceed *two and a quarter millions*, three fourths of which sum came from California and Washoe.

The money market is easier and the available supply of capital continues to augment. Loans upon stocks are made with rather more facility, and if the margin from current market value be ample, 1½ per cent. per month is the current rate in Bank. Outside negotiations are reported at higher figures, but these are usually effected upon securities of less certain value.

Legal Tender Notes advanced from 44¼ to 46½, and closed last evening at 46 bid; $22,000 were sold.

Gould & Curry has been less actively dealt in, but did not fluctuate materially; 52 feet were sold, receding from $1,125 to $1,080, steadily advancing to $1,170, and closing yesterday, at $1,140. No new developments have been made the current week, and the condition of the mine is substantially the same. The regular dividend of $50 per foot will be declared the ensuing month.

Savage is in more favor and advanced from $1,200 to $1,325; 8 feet changing hands. At the close $1,250 is bid, $1,350 asked. The product of this claim for the month will reach some 4,000 tons of ore, and it is said that the Company have already a larger surplus in their treasury than will be required for the payment of the next dividend.

Potosi has been sold to the extent of 23 feet within the range of $705 and $670, and is now held at $710. The suit of this Company with the Bajazet is still pending before Judge Mesick, but it is presumed that a conclusion will be reached in a few days.

Yellow Jacket is in decided request and rapidly advanced from $400 to $570, selling on Thursday at $700, and last evening at $660. Reliable information touching recent developments in this claim are not yet at our disposal, but it is said that important discoveries have been made.

Challenge continues to be well held and is very steady at about $665 bid; 5½ feet were sold during the week at from $650 to $660. A recent crushing of 135 tons of ore at the Ogden Mill, (from the south mine,) yielded some $83 per ton. In addition to this mill, the Rhode Island, Rigby & Co., the Summit, and Laird & Co. mills, are now employed by the Company and will be able to reduce about 100 tons per day.

Belcher remains inactive, but is in rather more favor at $650 bid The affairs of this Company are thought to be assuming a more promising condition.

Crown Point is meeting with more enquiry, but is rarely offered. Overman was sold to the extent of 16 feet at $160.

Ophir has been very actively dealt in and 68 feet were sold, declining from $325 to $295, then rallying to $340 and now held at $325. So far as we can learn the present receipts of the Company are sufficient to meet their current indebtedness.

Hale & Norcross fell from $300 to $230, rose to $250, declined to $240 and closes at about $240 b. 30. Two drifts are now under way from the 500 feet and the 545 feet levels, and are running south.

Sheba is steadily maintained. 51 feet have changed hands, declining from $77½ to $70, advancing to $76 and closing at $70 bid. We incorrectly stated last week that "40 tons of ore crushed at the Company's mill had yielded $19,000." The product of this first crushing was $7,000 and from 30 tons of ore.

Imperial has obtained more favor and rose from $142½ to $155 buyer 30, selling yesterday at from $147 to $155. 167 shares were sold within this range. This Company's present condition and their prospects for the future are thought to be flattering. Receipts of Bullion are larger than formerly. A dividend of at least $7½ per share will be declared for the current month.

Wide West was less active, receding from $27½ to $25 and closing with sales at $24. The last crushing of 35 tons of ore yielded about $49 per ton.

North Ophir advanced from $32½ to $50 and then sold at $40 seller 60. An impression prevails that this stock has been concentrated. $65 is bid at the close.

Burning Moscow has been much more active than usual and 528 shares were sold, declining from $27½ to $25 and advancing to $32½, at which latter rate sales were made yesterday.

Nevada (J. G.) is in much better favor and 223½ shares have been sold, steadily advancing from $28 to about $40. The prospects of the company are more flattering.

Lady Bryan fluctuates but little and 605 shares changed hands within the range of $5½ to $6¾.

Utah was sold at $5@$6. The assessment of $5 levied on the 3d inst. has been rescinded and one of $12.50 levied in lieu thereof.

Antelope was sold at $20; Sierra Nevada at $20; Santa Rosa at $20; Real Del Monte at $19; Baltimore American at $25; Baltic at $23; and Buckeye at $6¼.

Spring Valley Water Company is enquired for at 30 per cent. on amount paid in. California Steam Navigation Company is in request at 60 @ cent. bid, and San Francisco Gas at $85½.

The total sales of Stocks and Legal Tender Notes since Saturday last amount to $217,248.50.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, September 17.

16 shs Gould & Curry at 1125 per foot.
4 shs Gould & Curry at 1090 per foot, s 30.
4 shs Gould & Curry at 1105 per foot, r w.
4 shs Gould & Curry at 1100 per foot, r w.
14 shs Chollar at 620 per foot, s 60.
4 shs Potosi at 700 per foot.
4 shs Potosi at 695 per foot, r w.
4 shs Potosi at 690 per foot.
1 sh Savage at 1250 per foot.
120 shs Ophir at 300 per foot, h 30.
12 shs Ophir at 300 per foot, s 30.
10 shs Burnside at 2 per share.
73 shs Burning Moscow at 27½ per share.
73 shs Burning Moscow at 25 per share.
5 shs Burning Moscow at 27½ per share.
20 shs Burning Moscow at 27½ per share, h 30.
20 shs Burning Moscow at 27 per share.
10 shs Burning Moscow at 26 per share.
20 shs Burning Moscow at 27 per share, h 30.
78 shs Mount Davidson at 3½ per share.
10 shs North Ophir at 32¾ per share.
10 shs North Ophir at 30 per share, s 30.
10 shs North Ophir at 36 per share, h 30.
53 shs Lady Bryan at 5½ per share.
15 shs Wide West at 27½ per share.
10 shs Wide West at 27 per share.
10 shs Nevada, J. O. at 28 per share, h 30.
15 shs De Soto at 20 per share.
$10,000 Legal Tender Notes at 44¼ per cent, r w.
$ 20,000 Legal Tender Notes at 46¾ per cent,

AFTERNOON SESSION.

20 shs Gould & Curry at 1100 per foot.
3 shs Savage at 1225 per foot.
1 shs Savage at 1216 per foot.
1 sh Savage at 1220 per foot.
103 shs Ophir at 300 per foot, h 30.
120 shs Ophir at 300 per foot, h 30.
10 shs Sheba at 77½ per foot.
10 shs Sheba at 75 per foot.
8 shs Chollar at 660 per foot.
10 shs Burning Moscow at 25 per share.
15 shs Burning Moscow at 25 per share, r w.
12 shs Lady Bryan at 6¼ per share.
3 shs Sierra Nevada at 20 per share.
Amount of sales.....$63,027 00

Monday, September 19.

60 shs Ophir at 300 per foot, h 30.
84 shs Ophir at 300 per foot, h 30.
36 shs Ophir at 290 per foot, r w.
8 shs Gould & Curry at 1080 per foot.
4 shs Gould & Curry at 1080 per foot, r w.
8 shs Gould & Curry at 1090 per foot, r w.
2 shs Hale & Norcross at 250 per foot.
15 shs Overman at 160 per foot.
10 shs Utah at 5 per share.
10 shs Wide West at 23½ per share.
10 shs Wide West at 24 per share.
40 shs Lady Bryan at 5¼ per share.
30 shs Nevada, J. G. at 28 per share, h 30.
5 shs Real del Monte at 19 per share.
7 shs Imperial at 142½ per share.

AFTERNOON SESSION.

4 shs Gould & Curry at $1080 per foot.
8 shs Gould & Curry at 1090 per foot.
6 shs Gould & Curry at 1080 per foot.
12 shs Ophir at 295 per foot.
8 shs Chollar at 655 per foot.
10 shs Hale & Norcross at 295 per foot.
15 shs Wide West at 26 per share.
10 shs Wide West at 26½ per share.
10 shs Wide West at 27 per share.
10 shs Wide West at 26 per share, a 10.
10 shs Wide West at 27½ per share, s 15.
10 shs North Ophir at 30 per share, s 60.
10 shs North Ophir at 50 per share.
10 shs North Ophir at 32 per share, s 60.
13¼ shs Nevada, J. G. at 28 per share.
10 shs Nevada, J. G. at 30 per share.
60 shs Lady Bryan at 5¼ per share.
10 shs Lady Bryan at 6¼ per share.
80 shs Lady Bryan at 5¾ per share.
40 shs Lady Bryan at 5¾ per share, b 10.
Amount of sales.....$29,440 00

Tuesday September 20.

24 shs Ophir at 300 per foot.
36 shs Ophir at 300 per foot, s 40.
14 shs Ophir at 300 per foot, s 60.
36 shs Ophir at 300 per foot, s 60.
12 shs Ophir at 300 per foot.
12 shs Ophir at 300 per foot, s 30.
12 shs Ophir at 315 per foot, r w.
12 shs Ophir at 315 per foot.
8 shs Gould & Curry at 1080 per foot.
10 shs Gould & Curry at 1090 per foot.
4 shs Gould & Curry at 1100 per foot.
4 shs Gould & Curry at 1100 per foot, r w.
4 shs Gould & Curry at 1110 per foot.
16 shs Gould & Curry at 1085 per foot, s 30.
2 shs Hale & Norcross at 250 per foot, r w.
10 shs Sheba at 70 per foot.
10 shs Burning Moscow at 26 per share.
41 shs Burning Moscow at 27 per share.
10 shs Burning Moscow at 27½ per share.
20 shs Burning Moscow at 28 per share.
30 shs Burning Moscow at 30 per share, h 30.
10 shs Burning Moscow at 27½ per share.
5 shs Santa Rosa at 20 per share.
10 shs Nevada, J. G. at 30 per share.
10 shs Baltic at 23 per share.
10 shs Wide West at 27 per share.
70 shs Lady Bryan at 5½ per share.
20 shs Bullion, G H., 39 per share.

AFTERNOON SESSION.

2 shs Gould & Curry at 1125 per foot.
4 shs Gould & Curry at 1235 per foot.
3 shs Gould & Curry at 1132½ per foot.
10 shs Sheba at 70 per foot.
10 shs Sheba at 70½ per foot.
10 shs Baltimore American at 25 per share.
15 shs Lady Bryan at 6¾ per share.
20 shs Lady Bryan at 6¾ per share.
45 shs Lady Bryan at 6 per share.
10 shs Burning Moscow at 30 per share, h 30.
10 shs Burning Moscow at 27½ per share, r w.
10 shs Antelope at 20 per share.
Amount of sales.....$28,400 00

Wednesday, September 21.

8 shs Gould & Curry at 1137½ per foot.
4 shs Gould & Curry at 1145 per foot.
4 shs Gould & Curry at 1150 per foot.
2 shs Hale & Norcross 230 per foot.
1 shs Hale & Norcross at 250 per foot.
2 shs Hale & Norcross at 240 per foot.
1 sh Yellow Jacket at 575 per foot.
12 shs Ophir at 315 per foot.
12 shs Ophir at 320 per foot.
12 shs Sheba at 75 per foot.
10 shs Imperial at 145 per share.
30 shs Burning Moscow at 23 per share.
20 shs Burning Moscow at 27½ per share, s 30.
25 shs Wide West at 26 per share.
10 shs Wide West at 26 per share, r w.
10 shs Wide West at 25 per share, r w.
65 shs Lady Bryan at 6¼ per share.
20 shs Lady Bryan at 6¾ per share.
10 shs Nevada, J. G., at 31 per share.
13¾ shs Nevada, J. G., at 32 per share.
20 shs Green C. H., at 2½ per share.
10 shs Bullion G. H. at 40 per share.
30 shs Utah at 6 per share.

AFTERNOON SESSION.

1 sh Savage at 1325 per foot.
2 shs Hale & Norcross at 240 per foot.
10 shs Sheba at 75 per foot.
10 shs Nevada, J. G. at 35 per share, h 30.
15 shs Burning Moscow at 28 per share.
10 shs Burning Moscow at 27½ per share, s 30.
10 shs Burning Mosbow at 30 per share, h 30.
10 shs Burning Moscow at 30 per share, 30 d.
15 shs Lady Bryan at 6 per share.
5 shs Wide West at 24¾ per share.
40 shs Wide West at 25 per share, r w.
20 shs Mount Davidson at 3¾ per share.
Amount of sales.....$13,401 00

Thursday, September 22.

8 shs Gould & Curry at $1170 per foot.
8 shs Gould & Curry at 1172½ per foot.
4 shs Gould & Curry at 1170 per foot.
20 shs Potosi at 670 per foot.
6 shs Potosi at 680 per foot.
5 shs Yellow Jacket at 650 per foot, a 30.
5 shs Sheba at 76 per foot.
3 shs Uncle Sam at 75 per foot.
10 shs Wide West at 27 per share.
10 shs Wide West at 26 per share, r w.
10 shs Wide West at 26 per share, s 5.
10 shs Real del Monte at 19 per share.
5 shs Nevada, J. G., at 32½ per share.
10 shs Lady Bryan at 6 per share.
10 shs Imperial, 147 per share, s 60.
10 shs Imperial at 147 per share, s 60.
$2,000 Legal Tender Notes at 46½ per cent.

AFTERNOON SESSION.

8 shs Gould & Curry at 1175 per foot, 16 ds.
2 shs Gould & Curry at 1165 per foot.
4 shs Gould & Curry at 1170 per foot.
1 sh Yellow Jacket at 700 per foot.
1 sh Yellow Jacket at 670 per foot, s 30.
1 sh Yellow Jacket at 705 per foot.
1 sh Yellow Jacket at 675 per foot, s 30.
1 sh Yellow Jacket at 700 per foot.
70 shs Lady Bryan at 5¾ per share.
5 shs Lady Bryan at 6¾ per share.
20 shs Wide West at 20 per share.
6 shs Nevada J. G., at 35 per share.
10 shs Nevada J. G., at 38 per share.
20 shs Buckeye at 6½ per share.
10 shs Imperial at 152 per share, h 30.
10 shs Imperial at 150 per share.
10 shs Imperial at 125 per share, h 30.
10 shs Imperial at 150 per share, s 30.
10 shs Bullion, G. H., at 42¾ per share.
Amount of sales.....$45,360 50

Friday, September 23.

2 shs Halo & Norcross at 240 per foot, 10 d.
12 shs Ophir at 350 per foot.
12 shs Ophir at 355 per foot.
12 shs Ophir at 330 per foot, s 60.
12 shs Ophir at 345 per foot.
24 shs Ophir at 340 per foot.
4 shs Gould & Curry at 1150 per foot, s 30.
4 shs Gould & Curry at 1147½ per foot, s 30.
4 shs Gould & Curry at 1150 per foot.
2 shs Yellow Jacket at 700 per foot, h 30.
5 shs Sheba at 80 per foot.
120 shs Wide West at 24@25 per share.
10 shs Wide West at 23 per share, s 5.
10 shs Burning Moscow at 30 per share.
41 shs Nevada, J. G., at 40@39 per share.
5 shs Nevada, J. G., at 39 per share, b 10.
15 shs Golden Age & Empire at 6 per share.
10 shs Lady Bryan at 5¾ per share.
5 shs Bullion, G. H., at 41½@41 per share.

AFTERNOON SESSION.

20 shs Imperial at 155 per share, h 30.
10 shs Imperial at 152 per share.
10 shs Imperial at 150 per share, s 30.
10 shs Imperial at 150 per share.
10 shs Imperial at 147 per share, s 30.
10 shs Imperial at 152 per share, h 30.
10 shs Imperial at 149 per share.
10 shs Imperial at 150 per share.
24 shs Ophir at 325 per foot.
24 shs Ophir at 325 per foot.
8 shs Hale & Norcross at 240 per foot, h 10.
5 shs Nevada, J. G. at 40 per foot, h 30.
20 shs Nevada, J. G. at 38 per foot.
75 shs Blue Ledge at 2 per share.
45 shs Golden Age & Empire at 6 per share.
50 shs Buckeye at 6 per share.
5 shs Burning Moscow at 30 per share.
5 shs Burning Moscow at 31 per share.
5 shs Burning Moscow at 32 per share.
10 shs Wide West at 24 per share, 30 days.
4 shs Potosi at 705 per foot.
5 shs Lady Bryan at 6¾ per share.
Amount of sales.....$32,620 00

A Challenge.—Mr. Varney, the inventor of the famous amalgamating pan, which bears his name, has challenged any of the exhibitors at the Pavilion, to a trial test of the working power of their pans with his for the amount of $1,000. The method of trial suggested is to take a certain amount of sand containing a known quantity of gold, and the pan collecting the most of this known quantity, to be declared the winner. Such a trial would certainly be most interesting and useful, and we trust that this sensible proposition of Mr. Varney's will be made the basis of some action of the kind. Indeed, we understand that the Committee on Mining Machinery, contemplate arranging some public trial of the kind, in which all may compete.

The Washoe.—Orders were received on Tuesday evening by Capt. Harrison, for one of his wrecking pumps, to pump out the hull of the steamer Washoe. The Andrews' Centrifugal pump, with engine attached, which has been on exhibition at the Pavilion, was accordingly taken about noon yesterday and conveyed to the wharf for shipment to the wreck. Before, however, it was placed on board the steamer, a telegram was received by Capt. Harrison saying that the party at work on the Washoe had succeeded in freeing her from water and that the pump would not be needed. We presume from the above that the hull of the Washoe cannot be seriously injured, as she must have been pumped out by a very small pump. We have further learned that the wreck has been removed from the locality where she was sunk, into Sutter's Slough, out of the way of passing boats. She will probably be towed down to this city to-day or to-morrow.

Sudden Death.—Mr. William Fitzgerald, aged 34 years, for a long time employed in the finishing shop of the Miners' Foundry, died suddenly in the shop, at about 8 A. M. yesterday. He went to work, as usual, but soon complained of being faint, called for a glass of water, and died in about fifteen minutes. A *post mortem* examination revealed the fact that he died of a valvular disease of the heart.

Bloody Tea.—Brick tea is nearly all shipped to Russia. Probably very few people out of China know what brick tea is. It is the refuse and powder of various kinds of tea worked up with blood into cakes looking like bricks.

A New Firearm.—A gun-maker of Paris has invented a new firearm, which has a revolver affixed to the stock in such a manner that the soldier can fire it with his left hand, while defending himself with the bayonet.

CALIFORNIA MADE CRUCIBLES.

In a position at the Pavilion, near the entrance to the right hand artists' gallery, may be found an assortment of crucibles and muffles of California manufacture. They have been offered for sale, to some extent, by several hardware dealers and others in this city. So far as mere inspection goes they appear to be serviceable, and we have never heard anything otherwise with regard to them. It would be interesting, however, if the exhibitor would accompany them with specimens which had been subjected to the furnace, or would furnish visitors and persons interested as to the temperature to which they have been subjected in the process of manufacture, and consequently that for which they may be considered adapted. We shall be happy to communicate any information on that point which may be furnished us.

The wide interest and importance attached to these facts may be inferred from the following paragraphs which we quote from the opening portion of a paper, read by Mr. J. H. Churchill, (now of Front street in this city,) before the American Institute, of New York, in the fall of 1861, upon the subject of "Crucibles and Fire Proof Materials:"

This subject is of the greatest importance to the owners of glassworks, the manufacturers of steel, the assayers of gold, the workers in brass, stockholders in gas works. Proprietors of veins of quartz, or of dry river bottoms, of lime kilns, of clay beds, of magnesia quarries, are all interested. Salt, even, contributes to the general result.

As one instance of it, a recent report to the Emperor of the French, estimates the difference of cost for fireproof materials in making steel, as thirty francs per ton, between that country and England. Another, the cost of working of a quarter of a ton of platinium, for the Russian government, was reduced five hundred fold, by a process growing out of the work of M. Deville, by the use of lime capels, and gaseous fuel.

This valuable paper is given in full in the transactions of the American Institute, published by the State of New York, and we propose to re-print it in the MINING AND SCIENTIFIC PRESS, as soon as we get through with our reports of the Fair.

STAPLE GROCERIES.—Among the numerous extensive business houses, in the line of groceries, which have recently been built up in this city, none is more worthy of mention than that of BOWEN BROS., located at the corner of Montgomery and California streets. These gentlemen are among the pioneers of California business men. They commenced business in Stockton, and for a long period carried on an extensive and lucrative trade in that city. Being ambitious of a wider field of enterprise, in 1860 they removed to this city, where their superior mercantile qualifications and general business correctness enabled them at once to take a front rank in the San Francisco trade. Their superior facilities for purchasing in the Eastern market gave them a decided advantage over most other dealers, and the reputation they have established in this city and throughout the interior, for probity and promptness, has made them a host of friends. Each returning year has added to the expansion of their trade until their present annual sales are probably not exceeded by any similar business house in the city. Interior merchants, who may order goods of them, by letter, can depend upon getting precisely what they send for, and at the lowest market rates. All goods sold by them for the interior are delivered on the wharves free of charge for cartage; while their city orders are always answered with promptness. The speciality of this house consists in keeping staple articles of first class goods, and selling them at remarkably low rates.

DULL AT THE BOISE.—Jonathan Baker, of Amador county, California, (says the Reese River *Reveille* of the 11th instant), passed through here yesterday, direct from Virginia City, Idaho Territory, where he has been since last February. He reports the times very dull there, and that everybody is leaving who can get away—some returning to the States, but the larger portion going to California, Oregon, and this Territory.

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month'ly Divid'd Paid.	Recent Assessments Per foot.	Total Ass'ts Paid.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	22 00	25 00		Jan 7, $10; July 23, $0.	35 00
Bajazett and Golden Era	4,000	1	4,000	500 00	—	12 00		July 30, $5. Aug, 3, $5.	58 25
Best & Belcher	224	4	896	500 00	—	—		May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	400 00	32 00	33 00		Jun 19, $15; June 24 $5.	56 34
Burnside	2 800	1	2,800	500 00	1 00	5 00		Feb 16, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	650 00	800 00	$24		
Buckeye	3,000	—	2,800	100 00	6 00	7 00		June 4, $1.50, Aug 15, $2.	20 20
Bullion, G H	2,500	1	2,500	200 00	42 00	45 00		Sept 13, $10; Sep 17, $10.	
California	300	12	3 600	300 00	—	—		July 12, $150 00	
Central	150	12	1,800	500 00	—	—		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		May 25, $3, July 12, $1½	10 50
Crown Point	3 3	2	780	100 00	400 00	600 00		Oct 13, $25.	190 00
Chas. Caney	1,800	1	1,800	50 00	—	15 00		Nov 30, $5; Mar 16, $3.	23 00
Chollar	1,300	4	5,600	800 00	605 00	690 00		Jan 25, $60; Apr 16, $50.	320 00
Dancy	2,000	4	8,000	60 00	26 00	30 00		Jan 26, $12; Sept 15, $10.	58 00
Desert	2,200	1	2,200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	3 50	4 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co.	75	10	1,200	833 00	—	550 00	$30		
Gould & Curry	1,500	4	4,800	500 00	1,140 00	1,150 00	$50		
Grass Valley	4,200	1	4,200	500 00	—	20 00		Dec 17, $3½; Mar 20, $10.	
Hale & Norcross	400	2	800	500 00	240 00	250 00		July 18, $50; Sept. 13, $50.	425 00
Imperial	184	—	4,000	500 00	151 00	155 00	$6	Dec 22, $12 50 per share.	2,0 00
Iowa	1,200	1	1,200	1,000 00	—	12 00		Nov 18, $1; July 16, $0.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	6 00		May 11, $3; July 19, $3.	18 25
Lucerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	10 00	20 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G	2,100	1	2,100	500 00	39 00	40 00		Apr 9, $20; July 26, $12.	32 00
North Potosi	2,000	1	2,000	250 00	—	12 00		Jun 13, $12½; Aug 6, $12½	127 50
North American	4,100	1	4,100	300 00	20 00	25 00		Mar 23, $20; Sept 2 $2.	
North Ophir	1,000	1	1,600	500 00	40 00	50 00		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	—	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	500 00	320 00	325 00	$48		
Overman	1 200	1	1,200	500 00	—	250 00		June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	710 00	725 00		Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	2 00	4 00	$5	Oct, Nov, Dec 16, $9.	0 00
Savage	800	1	800	2,000 00	1,260 00	1,325 00	$50		136 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	20 00	25 00		Mar 8, $5; May 16, $10.	06 00
Spanish No. 2	1,600	1	1,600	500 00	—	20 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	60 00	100 00		Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	25 00		Aug 17, $30; June 17, $30.	257 00
Yellow Jacket	1,200	1	1,200	1,000 00	650 00	565 00		July 21, $30; Aug 4, $110.	250 00

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	12 00	15 00		Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00			12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,000	1	2,600	250 00	5 00	6 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	10 00	20 00		March 8, $20.	44 50
Silver Hill	3,600	1	3,000	500 00	—	6 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	20 00		Jan 5, $3; Sept 20, $12½	10 00
Wide West	2,600	1	2,500	500 00	23 00	24 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	20,000	—	3,600	500 00	—	2 00		Jan 29, $1; May 11, $1.	
Josephine	9,000	2	4,800	250 00	3 00	4 00		Oct 19, $3; July 31, 50c.	12 00
San Carlos	75	10	2,600	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	15 00	20 00		July 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	75 00	80 00		Mar 10, $10, Aug 12, $20.	62 35

REESE RIVER DISTRICT.

Amador	1,400	—	—	—	—	—		May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oroeon	800	2	1,600	300 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whillatch	600	2	1,200	1,000 00	75 00	—		May 11, $10; June 25, $5.	16 00
Willow	2,800	—	1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blado	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padro	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—		Feb 10, $30; Aug 23, $10.	150 00
Santa Guadelupo	3,000	1	3,000	1,000 00	—	—			9 00
San Marcial	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	200 00	—	—		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00		Jan 30 $2½; Jun 16, $1½	
Fellows	2,500	1	2,500	100 00	—	—			
Melones	3,000	1	3,000	50 00	—	13 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	—	75 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	—	25 00		June 18, $1; Aug 1, $1.	15 00

CAUTION.—Some of the holders of season tickets for the Industrial Fair are a little inconsiderate in allowing them to be used by their friends; and this practice has extended so far that a large number of them are forfeited daily on being presented at the door by parties who have been thus accomodated. The holders of Season tickets cannot fail to observe the condition plainly printed on the face of the tickets subjecting them to forfeiture if transferred.

GOING TO SEA IN A TUB.—One of the rebel prisoners confined at Point Lookout, recently attempted the feat of the wise men of Gotham, as the means of escape from Uncle Sam's guardians. He procured an empty meat barrel, and managed to get it into the bay with the idea of cleaning it. This was observed by the guard, and no particular notice taken of it. He managed to get it out in the bay with his head within the barrel, but, as fate would have it, after it had drifted some distance in the bay, where the waves became larger, the barrel turned, and he was drowned.

COPPER DISCOVERY.—The San Andreas *Register* says that a new copper discovery at Brunsville, has created quite a stir. The indications of the croppings are excellent. A company has been formed, to prospect it, composed principly of men from Brushville and San Andreas.

THE erroneous notion is entertained by many persons that the population of the loyal States is not so great now as it was at the beginning of the rebellion; whereas the fact is, that it is much greater. The immigration from Europe has been and now is unusually large, added to which is another kind of immigration, namely, that from the rebellious States. Hundreds of thousands of people have fled from the perils and privations of Dixie to share the peace, plenty, and safety in the loyal States which were denied them at home. In addition to these two outside and extraordinary sources of supply, we have the natural increase of population which is always going steadily on. So that, all things considered, there can be no doubt that our population is larger now than it ever has been before, and in fact the statisticians, who "keep the run of things," show this to be the case by their figures.

A RICH LEAD.—The Esmeralda *Union* says: "A quartz lead of extraordinary richness is said to have been discovered in Montgomery District, a few miles from Esmeralda. Our informant, whose reliability is beyond question, stated that out of four hundred ounces of rock from the lead, the owners had taken one ounce and five pennyweights of silver. The discoverers have brought to Aurora six hundred lbs. of the ore, which they intend to crush in large mortars. The owners, who are well known here as men of veracity, say they can scarcely believe their own eyes. The lead is equally rich in every part prospected."

ANOTHER VALUABLE NATURAL PRODUCTION. Mr. A. J. Doolittle yesterday entered among the articles on exhibition at the Fair, a specimen skin of the silver fur seal, of which perfect shoals are to be found along some parts of this coast. These skins from their beauty, and the durability of their fur, we think at no distant day are bound to add another valuable article to the exports from this State. Few persons are aware of the value of the abelone shells exported from this coast to China, Europe and the Eastern States, yet these shells, until within the last two or three years, were considered as valueless. So it has been with these beautiful seal skins. We think it would pay to prepare a number of these skins and send them as samples to foreign markets; particularly to London and China, where such articles are in great demand for various purposes.

THE PROPER CREDIT.—The bridle on exhibition at the Pavilion, and donated to the Sanitary Fund, was contributed by Sheriff McEwen, of Contra Costa county, and not by Mr. C. B. Porter, as stated in some of the city papers. Mr. P. merely acted as agent for his friend in offering the donation to the Commission, and desires that the credit for the gift should be given to the party to whom it properly belongs.

[Thursday, September 22d.]

The crowd at the Pavilion last evening was somewhat diminished by the political demonstrations on Montgomery street. The daily receipts now average about $800. The skating pond yesterday realized $50 ; the cheese $50 ; Old Sanitary swallowed $12½, making $106.50 for the Fund yesterday. Tuesday's receipts amounted to $108. Fruit and many other articles still continue to come in for the benefit of the Fund. A number of wholesale fruit merchants, at the various markets in the city, every morning select the very choicest of their stock, and keep the tables at the pavilion supplied with every kind of fruit, which is sold during the day for the benefit of the fund. Crane & Brigham have sent a large package of Fish's Hair Restorative for the same purpose, with the promise of keeping up the supply as fast as it is sold. To-day a large assortment of superior dried fruits will be received. This department of the Fair is under the direct superintendence of Mr. Perkins, of Oakland, who is indefatigable in his efforts to make it as profitable to the fund as possible.

The Committee of arrangements of the Fair have extended a general invitation to the pupils of all the public schools to visit the Fair at any time the superintendents may fix—free of charge.

Gen. McDowell and staff visited the Pavilion last evening, and expressed themselves highly delighted with the Exhibition.

Among the new entries made yesterday was an elegant monochromatic drawing by Mrs. A. J. Doolittle, of this city. Aside from its artistic merit, this drawing is a picture from real life. The poor dead drunkard, half buried in snow, bottle in hand, and with his faithful dog by his side, was found in just that position by his wife, who lived in the miserable cabin near by, and who was one of earth's angels out of her proper sphere. The occurrence took place some few years since in the State of Michigan. The miserable man had almost reached the threshold of his dwelling to perish thus miserably, and he handed down to posterity in pencilled picture, as a warning to his fellows, who taste the wine when it is red, which always biteth like a serpent. This picture may be seen near the upper left hand side of the central picture gallery.

Mr. Doolittle also entered at the same time a California silver seal skin, taken from an animal caught in Mendocino county. Some practical remarks, suggested by this item, will be found elsewhere in our columns to-day.

In our notices of Tuesday's entries we neglected to mention that of the magnificent hose carriage of the Washington Hose Company, No. 1.

Blake's Stone Breaker.—One of the most noted pieces of successful machinery exhibited at the Fair is Blake's Stone Breaker, for crushing rocks and boulders, concentrating ores, etc. This machine has a very high reputation in England and the Eastern States, where it has been thoroughly tested, and become very popular. It is also working with perfect success on this coast. There are still thousands of places in our mines, however, where the jaws of this ponderous machine would perform a great work of economy if introduced. By calling at the office of Prof. Blake, 706 Montgomery street, our readers will receive full and correct information concerning the Breaker.

A Grave Subject.—The examination of a coffin is generally the parent of a whole progeny of sad, sad thoughts, though since the improvements introduced in the "garniture of the grave," this effect has been very much lessened. A person may examine those beautiful Patent Metallic Caskets, at the store of N. Gray, 641 Sacramento street, with feelings of admiration rather than repugnance. For the purpose they are intended they are as beautiful as art and taste can make them. When Time's relentless hand strikes those we love or respect, and the grave must hide them from our sight, one of these caskets, and the services of Mr. Gray, accomplishes the sad duty with less pain than would otherwise attend such sad rites.

Home Made Safes.—The beautifully finished, burglar, powder and fireproof safes, manufactured by Kittredge, 6 and 7 Battery street, are the very perfection of such invaluable articles. Plain and solid ; there is no useless ornamentation about them, to increase their cost, without adding to their efficiency. We honestly believe that for all the purposes for which such safes are required, those manufactured by Kittredge are superior to the not unfrequently overlauded imported article. These home made articles have successfully passed through tests which, had they occurred to foreign manufactured safes, would have been recorded in one half of the newspapers in the Union as triumphs of mechanical skill over fire and robbery. But these safes are made for such purposes, and their performing their office is not considered remarkable, owing to the manner of their construction. Kittredge also builds bank vaults on an improved method, which is highly spoken of by the firms who have employed him ; as well as bridges, balconies for buildings, and does a general blacksmithing business.

California Made Powder. — We call the attention of those interested in mining, quarrying, contractors, and the public generally to the superior quality of powder exhibited at the Fair by the California Powder Works, which in all that constitutes a good article of blasting powder far excels the best imported, while in point of cost it is much the cheapest. In our opinion, a company possessing the enterprise to expend the necessarily large amount of capital to manufacture such an indispensable article as gunpowder — a manufacture attended with so many risks and dangers — if they furnish a really good article, as do the California Powder Works, are entitled to every encouragement, at the hands of the people of the Pacific Coast.

The many mining companies and large contractors who have tried this powder for blasting, report that it exerts greater force than the best imported powder—nor is there anything extraordinary in this, when we take into consideration that a voyage around the Horn must deteriorate the quality of the powder, and deprive it of much of its force—a loss not incurred by that made in our own State and to be procured fresh from the mills. All orders sent to the office of the Company, No. 318 California street, San Francisco, will be promptly attended to.

Suggestive.—One of the most suggestive exhibitions at the Pavilion is that made by Mr. Jarvis Jewett, of Palmer's Artificial Limbs. Palmer's artificial legs, arms and hands, are not equalled by those of any other manufacturers in the world, and unhappily at the present time, there is such a demand for them that a heavy company has been formed to carry on their manufacture on the largest scale. These limbs are made of willow, over which is tightly drawn raw hide, which is subsequently enameled, thereby giving it the beautiful flesh like appearance which they all present. The limbs are so constructed as to imitate most perfectly the movements of the natural joints. Mr. Jewett, the agent of the manufacturers, may be found at 629 Washington street.

Photography applied to Machinery.—One of the most useful purposes to which the Photographic art has been applied, is to the representation of machinery. By it the most intricate piece of machinery may be so perfectly represented as to convey almost as intelligent an idea of any work of that description, as the machine itself could do were it present. Our attention has been called to this fact from the exhibition at the Pavilion of a large number of photographic representations of various machine tools manufactured by Wm. Sellers & Co., of Philadelphia, and exhibited by Mr. David Stoddart of this city, who is agent for the manufacturers. They may be seen just across the avenue which passes our press.

Sanitary.—The magnificent basket of fruit, from San Joaquin county, now on exhibition at Col. Warren's Stand in the Pavilion, will be sold in a few days for the benefit of the Sanitary Fund.

The Telegraphic reports of the glorious victory in the Shenandoah Valley, as given, in brief, last evening, are fully confirmed by additional reports this morning. The number of prisoners is now estimated at 3,000. It was a complete route of the rebels, and our forces are in hot pursuit of the flying fragments. The draft is proceeding quietly in all the States, and in many districts the most vigorous efforts are being made to fill up the quotas by volunteers before the drafted men are mustered in.

The *Bulletin* has the following telegraphic headings :

The Draft is proceeding quietly in Washington.

The Lake Erie Business—Fear lest Rebels steamers may play mischief on the Lake, and perhaps lay Buffalo under contribution.

Rebel surprise of a Schooner in Warwick River, near the James.

Gen. Grant back to Headquarters of the Army of the Potomac.

Report that a Rebel Force of from 4,000 to 6,000 Men, near Baton Rouge, La., are Prepared to Surrender to Gen. Herron, if the General Officers shall Receive an Unconditional Pardon.

Affairs in Arkansas.

Later From Europe.

The English Press on the Prospects of an Armistice in America.

Reports at Lloyd's of the Ravages of Confederate Cruisers.

Rumor that Austria is about to Recognize the Kingdom of Italy.

Napoleon's Health said to be in "in a very Unsatisfactory State."

The Game Season.—Passing through the market yesterday, we noticed the sudden reappearance of quail, plover, curlew, venison, antelope and other game offered for sale, and was at once reminded that the game season had commenced and war declared by our hunters and sporting friends against game generally. We saw an article the other day in *Wilkes' Spirit of the Times*, in which William King, Esq., (who is acknowledged to be the best shot in America,) recommends the Hazard Powder as being the best in use, and offers to shoot Hazard's "Electric," against any other powder manufactured either in Europe or America. We prefer the "Electric" for field shooting, but for geese, brandt or duck, we prefer Hazard's ducking and sea shooting powder, which we know to be good and can be had at any of our gun stores.

More Work in Prospect.—There is a pretty good prospect of hot work soon in Virginia. Gen. Grant has returned to the front, and it is said he has recently been re-inforced by about 100,000 volunteers. The draft commenced on Monday last, and it is but fair to presume that he will soon receive 50,000 men from that source to distribute among his veterans. With this enormous increase of force there can be but little doubt that Gen. Grant will soon be master of Richmond, if not of the whole army.

Important Home Manufacture.—The manufacture of cordage is one of no small concern in this city, and if we can believe our own eyes, and the testimony of those most directly interested, Messrs. Tubbs & Co. are now turning out Manilla rope and cordage far superior to anything ever imported here. There is no question about the superiority of their work, and the material obtained by them is of the very best quality. Their display at the Fair is hardly equalled by that of any other assortment of home manufactures. Fifty hands are employed at the works, located at the Potrero, which turn out 2,000,000 pounds of cordage per annum ; enough to hang all the traitors in the country, bind up the rebel army and the great wounds of the nation.

Fine Specimen of Manufacture.—We would call particular attention to the showcase of gentlemen's shirts, exhibited at the Fair, by Mrs. E. Morris, No. 13 Montgomery street. No gentleman of taste should fail to examine these fine articles of adornment. Mrs. Morris has also a model of a Folder on exhibition, of her own invention, for which she is about to take out letters patent for the United States.

[Friday, September 23d.]

The Industrial Fair still continues the chief attraction of the day. The clatter of machinery, the hissing of steam and air, and the almost constant rush of water, as it pours like miniature cataracts, from the various pumps on exhibition appear to form even a greater attraction than the really splendid music that is discoursed from the gallery. The five stamp battery, which knocked its foundation to pieces a few days since, was again put in order last night and went off beautifully under the motive power of Redding & Hansbrow's Hydrostatic Engine. Moore's Crusher, is now run a short time every evening, to show its capacity and speed. This machine has such a voracious appetite that it is impossible to find quartz sufficient to keep it running for any length of time with its full feed.

The receipts of the exhibition, thus far must be most satisfactory to its managers, and the Association under whose auspices it is being given cannot but feel highly gratified at the substantial appreciation which the public has thus evinced of its efforts to advance the mechanical arts and general productive enterprise of the State, by the grand display at the Pavilion. The exhibition will probably close a week from next Saturday. Parties from the interior who are intending to visit the Fair, should lose no time in making their way thither, and residents in the city who have not already visited the Pavilion, should do so immediately or they will lose the opportunity of witnessing an exhibition of the rarest interest, and the like of which may not again be seen for years.

Crushing Speed.—By invitation of the agent of Moore's Rotary Centrifugal Crusher, at the Pavilion, we yesterday timed the crushing of fifty pounds of ore, which occupied the machine just *thirty-five seconds*, or at the rate of about two and a half tons per hour. The speed of the crusher is so great that the ore is reduced to an impalpable powder. It is conducted out of the Pavilion through a sheet iron pipe, *a la smoke*, into a close chamber outside. The rock was introduced in a partially crushed state.

Sanitary Meeting.—Platt's Hall was crowded last evening at the mass meeting of the friends of the U. S. Sanitary Fund. Addresses were delivered by the Rev. Dr. Cheney, Rev. O. C. Wheeler, Secretary of the Sanitary Fund, and Rev. Dr. Bellows. The latter made a most eloquent address, discussing the Sanitary Fund, California, and the approaching election.

Clean Up.—The Wide West Company, cleaned up, last Saturday, after working 35 tons of rock from the large ledge in the upper chamber. The result was a yield of $48.50 per ton. They have now put in finer screws, which will increase the yield of this week's run. They are putting on additional men as fast as they can make room for them, and expect to be able to have rock to run the mill night and day after the present week.

A Superb Series of Views.—The series of views of the magnificent valley of the Yosemite, taken by Mr. C. L. Weed, on exhibition at the Fair, are acknowledged to be the most beautiful ever taken of that marvellous spot—perfect gems of the art of photography. Copies of these beautiful pictures may be had at the gallery of Bradley & Rulofson, Montgomery street.

Try It.—To those who have a good home in the city, a restaurant has no attractions, except it may be for an occasional change ; but to those who have not that home, and desire as near an approach to it as may be obtained, in the eating line, in this city, we would recommend the "Empire State Restaurant," Sansome street, between Clay and Commercial. Don't fail to try it. Neat, cheap, and as good as the best, is the motto of Messrs. Stevens & Wadhams, and that they live up to it, can be testified to by the printers—that most fastidious class of epicures.

At the grand reviews and parades of the French troops, two cries are said to be invariably heard from the ranks : "Long live the Emperor," and "Down with England!"

INTERESTING SCIENTIFIC DISCOVERY.

Professor Brewer and party, connected with the State Geological Survey, returned to this city on Monday last, from a protracted trip in the mountains, near the head waters of Kern River. The result of their trip has been, among other matters of scientific and practical interest, the discovery of a group of mountain peaks in the Sierra Nevada range, one of which is known to be higher than Mount Shasta, and *five* of which it is believed exceed that mountain in hight.

In prosecuting their explorations the party reached a very high elevation, beyond which, and separated from them by an impassible cañon, was a still higher peak. One of the party Mr. C. R. King, returned to Visalia, obtained an escort of United States soldiers, and started for the peak by a new route. He succeeded in reaching an altitude of 14,700 feet, 260 feet higher than the top of Mount Shasta, where he found another some 300 feet higher still, but he was unable to proceed further, and was reluctantly compelled to retrace his steps. This peak is located from 60 to 70 miles nearly due East from Visalia, and between the headwaters of Kern and King rivers.

There is here a large group of mountains—the highest probably on the North American Continent, the existence of which is now for the first time made known to the world by Professor Brewer and party. An interesting feature connected with this discovery is the fact that these mountains abound with an abundance of game, especially deer, and inexhaustible quantities of very superior grasses. Excellent feed for their animals was found up to the altitude of 10,000 feet. Great numbers of bears were also seen.

The general objects of the survey have also been most successfully carried out during this trip. All the elements for a topographical map of the region have been collected. The party have undergone great hardships and exposure. The Professor, who called upon us, and from whom we have gathered these particulars, shows the effects of his exposure in a marked degree. The entire party were for ten weeks without anything fresh, except game and wild onions. The consequence has been very severe upon one of their number, Mr. C. F. Hoffman, who has been brought back in a very exhausted condition, the effects of his extraordinary exposure to the elements and insufficient food. The party consisted of Professor Brewer, C. R. King, C. F. Hoffman, J. T. Gardner, R. D. Cotter, and an escort of seven United States soldiers, under charge of Seargeut Judd, of the Camp Babbitt Cavalry. We are promised further particulars of this interesting trip, which we shall lay before our readers in a few days.

Separating Sulphur from Alkali Waste.—An invention for the recovery of sulphur from the waste produced in the manufacture of soda has been provisionally specified by Mr. Benjamin Jones, of Warrington. He runs hot water, on blue waste, placed in a suitable vessel, and in a few hours he drew off the liquor. He precipitates the sulphur with hydrochloric acid, and then filters and evaporates to dryness. The precipitate is then treated in a furnace similar to that commonly used for producing sulphur from sulphur stone. He proposes to condense the sulphuric acid in a water tower, and collect the sulphur at the bottom.

A New Process for Concentrating Copper Ores.—Valentine & Co., of this city, have on exhibition at the Fair in Stockton, some fine samples of concentrated copper ores obtained by a new process, of which the Stockton *Independent* speaks in very flattering terms. "It is claimed that the process is a great improvement over any system formerly in use for third class ore. The specimens exhibited attract considerable attention, and are pronounced very superior by those acquainted with the subject."

A girl recently advertised for a situation as barmaid or waitress in a refreshment saloon. Among her qualifications for such a position, she says she can cut two hundred and twenty-five pieces of bread, of satisfactory appearance, out of one pound of bread, and butter them with two ounces of butter.

(Written for the Mining and Scientific Press.)

Letter from the Sooke Mines.

Editor Mining Press.—Since my last communication, I have been to the newly discovered Sooke mines, and can speak more understandingly of the prospects there, which, I can assure you, do not come up to that standard of importance at which they are represented abroad. They are principally located on Leech Creek—a small mountain tributary of Sooke River; their junction being twelve miles from Sooke Harbor. The bed of this stream is thirty feet wide at it its mouth, and filled with boulders from the smallest size to those weighing fifty tons; and in the gravel underneath is found the gold. Through this gravel bed, down to the bed rock, would probably average twelve inches. This stream is taken up and staked off, almost its entire length of eighteen miles, and like all mountain streams, diminishes rapidly in width and water as you ascend, until up a few miles, it has hardly the importance of a name. The quantity of water now running, would not exceed two hundred inches; but in the rainy season, it evidently sweeps down with an irresistable force.

At the junction of these two streams, the government has laid out a town, where a few substantial log buildings are being erected, besides several shanties and tents used as stores and whisky shops. This, by the overland trail, is twenty-five miles from Victoria, connected about half way, by stage, and the balance by a mule trail, through a dense forest of pine, not by any means of the first class timber. We took the stage in the morning, each man with his pair of blankets, and rode over a good road for eight or ten miles, then took to the woods a few miles further, over an ungraded road, when we were pointed to a trail and told to travel. We dismounted from the "Concord," and with one accord, and several small cords, we strapped our blankets on our shoulders and like pilgrims, with "staff and scrip," pursued our journey over a rough and rugged road, as far as Loon Lake, where we found a body of deep water, about one mile in circumference and deeply seated in the mountain foliage. Here we found a whisky tent, which, like sutlers' dogs, are always found in the van, and a hunter's camp, which supplied us with venison at ten cents per pound. We struck our fires, took our repast, told a few stories, sung a song or two, and like weary travelers laid down to rest; our bed—the bosom of mother earth; our covering—the broad canopy of Heaven seen through the dark, silent branches above us. We slept like those unused to such fare, and gladly welcomed the approaching day. Four miles beyond, we came to the river, where our journey ended, and our investigations began. We met many on their return, with looks which bespoke disappointment, and anything but encouraging reports regaled us on our journey thitherward, all of which we found, even less than the reality.

I do not propose to overdraw the picture. I wish to speak of the prospects of the Sooke mines, as I would of a man, as I find them, and if the result of my experience, not set down in malice, is of any service, my point is carried.

I visited many claims, and all in fact, as far up as I went, and but a few seemed to be paying largely. I found but one with a rocker, who claimed to have a big thing. Some few had united and been working with sluices, and I think are doing well. I saw a nugget worth forty-five dollars, and one valued at ninety-five. The gold is of the finest quality; but the quantity is limited. Four weeks labor would work out all the claims, and unless gold is found in the almost precipitous banks, all labor will be suspended this fall. Not one-tenth of the claims in the Creek are being worked. They are either worked out or don't pay.

The fall rains are approaching and the condition of the bed for work in the spring, will be worse than ever, as all the sluices and flumes will have been carried away, and the bed again filled up with the worked debris of this season, so that I see no hopes of future success in this section unless further and more extensive mines are discovered. I regret to see so many come here, only to meet disappointment.

The poor results in Cariboo, are sending down hundreds from that quarter; and now let me urge upon all who contemplate coming here, to stay "as they are." If you are in business, stay at home—if out of business—don't come here.

I have no doubt but that in time, greater discoveries will be made on Vancouver's Island, perhaps rich ones; but upon the present, there is little to rely. Steamboat men may be interested, and others, who draw largely on their imagination for facts to sustain the excitement, but whatever it may be in the future, it certainly is not a ten-strike now.

I have no means of knowing how many are engaged in mining; but I should not think fifty would exceed the number. Even the Chinese will not hold on, and where they fail it is generally conceded to be of little account.

On my return from the mines, I took another trail to Sooke Harbor, which led me down the north bank of the river twelve miles. Here I found a town laid out, called Sooke City, consisting of one farm house, three shanties, three Englishmen, three French Canadians, one Jew trader, one colored man and a squaw. The harbor has the shape of an hour-glass the outer bay, upon which Sooke is situated, is in extent five miles by one; the inner bay is three and a half by nine miles, and both deeply imbedded in the mountains, which are covered by a heavy forest. From this point I took a steamer for Victoria—a distance of twenty-five miles. B.

Boiling Water.—At a recent lecture, Prof. W. R. Grove astonished his audience by telling them that there never had been such a thing as boiling water, and never would be; and he showed, reflected upon a screen by the electric light, that what is called boiling, is, in fact, the driving out of air from the water from the application of heat. Expel all air from water and it will no longer boil, in the ordinary sense; and if it were possible to operate on water not contained in a vessel, it might be heated to an intense temperature—more than three hundred degrees—without altering its form. And we are not to forget that the burd nature of the vessel in which water is boiled may have as much to do with the boiling as the other elements in the operation. Then comes the question of the constituent gases; and that apparently indestructible bubble of gas, "that everlasting bubble," as Prof. Grove calls it, which remains at the bottom of every experiment, whatever be the liquid operated on. Perhaps among our chemists there may be one who will take up the subject of boiling water as a special research.

New Paper Making Process.—We understand that a gentleman of this city has already successfully introduced many improvements in the manufacture of fibrous materials, by which it is claimed that one-half of the chemicals now used will be saved, and good stock may be made for less than six cents per pound. Paper makers will understand the importance of the saving in chemicals, which is one of the heaviest items of expenditure in in making paper stock. As yet nothing has been done to put the new process into practical operation, or even to test its merits, the time and attention of the inventor being absorbed by his other extensive operations. But the attention of printers, paper makers, and capitalists cannot fail to be drawn to any improved process which holds out a hope of again supplying cheap paper, and it is possible that we may soon see a revolution in paper manufacture.—*Boston Transcript.*

Good Milkers.—It is an easy matter to distinguish a good milker. The farther removed from the bull the better. As the male has no milking properties, and the female is devoted to them; and none so much as the cow; so we are to judge from this principle.

No person of ordinary intelligence would select a cow with thick neck, heavy bones, and a bull-like disposition. On the other hand, the true cow, the good milker, is easily known by its thin neck, sometimes almost amounting to deformity (the case with one of ours;) small bones; thin, sensitive hide; thin tail; and (most of all) a mild, placid disposition, showing absence of animal heat which consumes, or prevents milk from forming. A quiet, motherly face, denoting intelligence and domesticity, is what is wanted. The reservoir of milk, of course, must be large or there cannot be stored a large quantity. A large, well-formed bag, therefore is a necessity. A small udder is an invariable sign of a poor milker. The form and size of a cow are not always to be depended upon. The disposition is perhaps as much, if not more, than any other one point; some say than all other points.

New Application of Chloroform.—Some seamps administered chloroform to the hogs belonging to two citizens of North Bridgewater, and were about carting them away, when the noise of wheels alarmed the owners and the animals were thrown out and the thieves drove away. One of the hogs died of the dose of chloroform.

Mining in Tuolumne County.—A gentleman well acquainted with the mining interests of Tuolumne county, says that the quartz mines at American Flat, on the Stanislaus river, are yielding an enormous quantity of bullion. Nearly 2,000 ounces were taken out of these mines last week.

Changing Address.—The address of patrons will be changed upon our books as often as desired, if parties will give us the name of the places *from* which and *to* which they remove.

Pulverising Ores.—Mr. Charles Pengilly has provisionally specified an invention, which consists in having a system of conical, tapering, or partly conical or partly tapering, crushing rollers, the largest diameter of these rollers to be at the bottom or exit end, in order that the open spaces between the rollers may be larger at the top or entrance place, where the stuff to be crushed is first introduced (of large reduced size), and may gradually decrease in size till at the bottom or exit; the rollers may be so close together that nothing but very fine particles can pass through, although the extent to which the opening shall be contracted must depend, of course, upon the fineness of the pulverising required. The pulverised material will pass through at the bottom or exit place, and can be from time to time removed therefrom. The rollers are intended to be corrugated in slanting lines or otherwise, and the slant of the corrugations of one roller should cross those of the rollers working against it, as thus x, whereby greater reducing power will be obtained; but near the bottom the rollers should, in many cases, be perfectly plain, and free from corrugations.

Hints by one who Knows.—Plants when drooping are revived by a few grains of camphor. Sulphur is valuable in preserving grapes &c., from insects. In feeding corn, sixty pounds ground goes as far as one hundred pounds in the kernel. Corn meal should not be ground very fine, it injures the richness of it. Turnips of small size have double the nutritious matter that large ones have. Rats and other vermin are kept away from grain by sprinkling garlic when packing the sheaves. Money expended in drying lands by draining or otherwise, will be returned with ample interest.

Professor N. S. Maskelyne exhibited, at a late meeting of the Geological Society, some beautiful specimens of a new mineral recently discovered in Cornwall, and which he proposes to term *Langite*, in honor of Professor Victor Von Lang, of the University of Gratz, and formerly of the department of mineralogy in the British Museum. It consists of basic sulphate of copper, insoluble in water, and is disposed as an incrustation upon very soft "killas" in masses of a rich blue color, accompanied by minute crystals belonging to the prismatic system.

Flame-proof or Non-Inflammable Fabrics.—The frequency of accidental death by burning, more especially since crinolines have been in fashion, has given rise to experiments in this country and in France to determine the best means of rendering dresses flame-proof. The most recent researches are by Westerman and Oppenheim, which show that solutions of the salts of sulphate of ammonia, phosphate of ammonia, and tungstate of soda, are those that can be used with greatest facility. For rendering tissues uninflammable these salts combine the conditions of cheapness, and harmlessness to the gloss color, and structure of the tissue. The solution may be used in the proportion of one third the weight of starch, or from fifteen to twenty per cent. of water. The tungstate of soda appears to have the advantage of the two other preparations, for with starch it forms a better stiffening, and is less liable to be decomposed by the smoothing iron.

Mechanics' Fair Daily Press.—Such is the title of a very neat quarto paper published at the Industrial Fair Pavilion, by Dewey & Co., of the *Mining and Scentific Press*. It will be published during the continuance of the Fair. It reflects great credit, as does the weekly, upon the enterprise and ability of the publishers. We want it regularly, also the engraving of the Pavilion.—*Reese River Reveille.*

Historical Wreck.—On the beach at the town and harbor of Monterey, California, lies the ribs of an old vessel with which is connected an event of interest. The remains of the wreck alluded to were once a portion of the brigantine Natalia, which carried Napoleon from the island of Elba to France, in 1815. Shortly after this occurrence the Natbalia came around Cape Horn to California, with a party of Spanish Colonists. After performing much coasting service, the vessel finally stranded in 1834, in the harbor of Monterey.

Manufacture of Plumbago Crucibles.—Mr. Thomas Vaughn, an English gentleman, proposes to purify the plumbago used in the manufacture of crucibles, by bringing the impure plumbago to a low red heat, in a close oven or retort. The iron is thus converted into a magnetic protocarbide, which is afterwards withdrawn by magnetic or electro-magnetic action.

Paint to Endure.—It is said that boiling coal tar with slacked lime, will make a shining surface on wood work, and walls of any kind, which is as imperishable as stone, and therefore valuable for out-houses, &c.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

San Francisco:
Saturday Morning, Sept. 24, 1864.

HOME FINANCES.

There is a slight tendency to greater ease in the money market and the demand is thought to be less active than for some time past. No abatement can be noted as yet, however, in the rates of interest but the abundance of capital and its continued accumulation may produce such a result at no distant day. Bank accommodations are still ruling at 1½ ₱ cent. per month on good short paper and other collateral security. Loans upon Mining Stocks are readily made at the same figures if the margin can be made satisfactory to the lender, by view of the unsteadiness in the market value of many of these shares a wide allowance is demanded for any depreciation that may take place. The mercantile classes are for the most part in a comfortable condition and do not require a heavy discount line at the present juncture. Most of them have pursued a conservative policy of late, selling few or no goods on credit and husbanding their resources generally.

Receipts of Treasure from the interior and the north coast during the past ten days have been unusually heavy and amount in the aggregate to some $2,300,000, nearly all of which was in Bullion and dust. The Branch Mint during this period has taken $650,000 of the above sum of coinage.

A fair business was done on steamer day in Eastern Exchange. Currency Bills were drawn on the Atlantic cities at 110@115 ₱ cent. premium on gold. Telegraphic transfers were sold at 5¼ and Drafts payable in coin at 3½.

Legal Tender Notes during the week advanced from 44½ to 46⅛ closing at about 46 with a rather free supply in the hands of dealers. Latest telegraphic advices from New York quote gold at 220@221.

EASTERN FINANCES.

Our commercial advices from the other side of the Continent, per mail, are down to the 23d ult. We note but little change in the aspect of commercial and financial affairs in Eastern markets. The tardiness with which the people were responding to the appeal of the Secretary of the Treasury, in the amounts which had thus far been subscribed to the new 7-30 currency loan, occasioned no little disappointment. A mischievous report was in circulation that Mr. Fessenden intended at an early day to resign his office, but there was doubtless no truth in the rumor. The movements in the general merchandise and produce markets, were quite insignificant. Prices had attained a point which restricted the consumption of even many commodities that were of prime necessity to all classes. The dry goods trade was reviving a little under the influence of orders from the country. An active business in any department of trade was not anticipated, however, at present, unless a further inflation of the currency was resolved upon. This would enhance prices and speculative buyers might enter the market again, as was their policy a short time since. Government securities had been sold to a considerable extent, the transactions embracing the old bonds, (chiefly the 5-20's) which had been freely taken by the Continental bankers on Wall street for foreign account.

REVIEW OF THE FAIR.

I. Price's Improved Portable Baling Press, a rapid and powerful machine, operated by a wheel and chain levers.

16. Paine's Improved Compound Lever Baling Press; a California Invention; patent applied for. A serviceable and most powerful machine.

227. Walton's Wine Press; power obtained from a compound of the lever, pulley, and wheel; a California invention, manufactured in Drytown, Amador county.

676. Halsted's Wine and Cider Mill, made and invented in California, by Mr. Halsted, and in daily operation at the Pavilion.

142. A Press for Wine and Cider, invented by Mr. J. Dean, of Sacramento county and patented in 1863.

13. Gage's Roller and Grain Drill, from Michigan. It drills, drops and covers as it is moved along. Exhibited by Z. Sikes, Santa Clara.

26. A Seed Planter and Cultivator, with which a boy and team can sow and cultivate fifteen acres per day. It sows the grain broadcast. A Wisconsin invention, exhibited by D. & H. A. Winter, of San Francisco.

45. Huie's Improved Gang Plow, a California invention, by H. R. Huie, of Alameda county. Seven important improvements over similar plows in use are noted in the inventor's circular.

47. Two Improved Whiffletrees, exhibited by Wm. Saunders. This invention is quite an important one and may be seen in division No. 46, near the carriages.

76. Improved Gang Plow; a California invention, by L. Hulloway of Gilroy. Patent applied for.

149. A Model of an Excavator, a California invention, by J. B. Barker, of San Francisco, designed for ditching and embanking.

205. Hunter's Grain Separator, an important California invention, by Andrew Hunter, of San Francisco. This Separator has proven one of the most effective machines of the kind in use, as is attested by numerous references to California ranchmen. Mr. Hunter has applied this principle, with various modifications, to the separation of the precious metals and sulphurets from quartz sand, both of which inventions, he exhibits at the Pavilion.

286. Jackson & Lamb's Sheep Shearing Machine, exhibited by Mr. F. B. Lamb, just to the right of the main entrance.

303. Sheep-marking Tongs, exhibited by C. H. Haine, of San Francisco.

462. Tiller and Pulveriser, by W. Wadsworth, Sacramento, Patentee. The important feature of this machine is a set of teeth or tines which follow the toothed roller, raising up and turning over the earth, which has first been broken up and loosened by the teeth on the roller.

487. A Beehive, by Mr. James Miller, of San Francisco. The speciality of this invention appears to be the beauty and finish of its workmanship, which renders it a fit ornament for even a parlor.

658. A Harvesting Machine represented by a working model, by C. A. Doe of San Francisco. This machine performs the triple operation of heading, threshing and separating the grain, as it moves.

677. Under this number J. D. Arthur & Son of San Francisco exhibits one of Seymour & Morgan's Reapers; a model Giant Reaper and four cast steel plows. The first mentioned is a splendidly finished machine and is highly approved in the Eastern States.

695. Hawley & Co., of San Francisco exhibit a Buckeye Mowing Machine, together with seven patent plows. The Mower has already harvested 200 acres this season.

700. Messrs. Jackson & Johnson, of Sacramento exhibits a working model of a Cotton Gin, which is daily being used to gin small lots of cotton grown upon their ranch on the Sacramento river.

Frank Abell was convicted yesterday for his recent "bust" up in the art gallery at the Pavilion. Prospects are that he will get off cheap.

[From the Daily Fair Press of Thursday.]

There is but little additional news by the telegraphic dispatches of this morning, further than a complete confirmation of the reports of Sheridan's grand victory, in the Shenandoah Valley, and furnishing additional particulars of its extent and importance.

Fremont has signified his intention to withdraw from the contest, and promises to shortly publish a letter on the subject.

The *Bulletin's* dispatches of to-day contain considerable news of interest from which we condense the following:

New York Sept. 21.—Reports to the daily papers report a heavy engagement as imminent in Virginia. Heavy skirmishing is going on on the Weldon Railroad, with much firing. Lee is reported to have but 40,000 men independent of Early's force, though he is endeavoring to withdraw Early for fear of Grant's swinging around on his flank.

The 205th Pennsylvania Sharpshooters left Philadelphia to-day for the front, 1,000 strong. Farragut's flagship, Hartford, is reported to have been blown up, by accident, while on her way North. Sheridan has chased Early near thirty miles since the late battle. The rebel Generals Rhodes, Raines, Gordon, Goodwin, Leroy, Bradley Johnson and Fitzhugh Lee, are said to have been killed in the Bunker Hill fight.

The number of prisoners taken amounts to near 5,000. The rebels will not make a stand this side of Staunton. It is rumored that the enemy attempted to turn our left flank last night.

The principle agent, and several of his accomplices, of the pirates on Lake Erie, are captured. A fight has taken place on the Little Black river, in Missouri, between the 3d Missouri Militia and Shelby. Our loss 20 killed and wounded. Other engagements are expected there soon, as several squads are gathered up in different places.

A collision occurred on the Pennsylvania railroad last night; six killed and many wounded.

Sherman has replied to Hood's charge of cruelty in a most masterly manner, leaving him but little chance for any retort.

Full accounts are given of Sheridan's fight, which show it to have been a hard fought, but most decisive battle and victory:

Fremont has concluded not to run the "woolly horse."

Gold, 222 @ 222½.

BOOKS! BOOKS! BOOKS!—Books on science, books of poetry, story books, ancient and modern history of all nations, books of travel and adventure by flood and field, books of fun, and books of wisdom, books on mines, minerals and metals, books for ladies, gentlemen, and children, for the house, the sea side, or the school, books for the soldier, sailor, and civilian, "the good book" and books that are not so good, books of all kinds, in all languages and on all subjects, may be obtained at all times, at the store of A. ROMAN & Co. Montgomery street, at the very lowest prices.

HOW TO CONDENSE MILK.—Place two quarts of new milk in a vessel over a slow fire, stir it to prevent burning, until it is about the thickness of cream, add one pound of sugar, a little at a time, stirring constantly till it becomes stiff and thick, then spread on plates and dry in the oven or sun, and powder it with a knife or spoon. It can be sent in papers to your friends in the army, if you please, or any where else, and serves for both milk and sugar when dissolved in coffee or tea. Let our dairywomen try it, and they will get the thanks of the "Sanitary" and the soldiers.

THE CHALLENGE ACCEPTED.—In our reporter's remarks on the Fair yesterday, reference is made to a proposed challenge, said to have been offered by Mr. Varney to test the capabilities of his amalgamating pans against any others at the Fair, for the sum of $1,000. We are requested by Mr. Farrand, the patentee of the Oscillating Amalgamator which bears his name, to state that if Mr. Varney is desirous to make such a trial, that he, Mr. Farrand is prepared to post the cash.—[*American Flag.*

[From The Daily Fair Press of Friday.]

The Bulletin's dispatches report more fighting in the Shenandoah Valley, an engagement having taken place on the hights near Strasburg. The rebels were driven from their position on Flint Hill and their cavalry forced back six miles beyond Front Royal. The Sixth Corps had 200 killed and wounded. A renewal of the battle is anticipated.

Grant's army is very jubilant over Sheridan's success. By Grant's recommendation, Sheridan has been promoted to a Brigadiership in the regular army. Wall street reports more peace propositions from Jeff Davis. Georgia is reproached, for thinking of peace, by the Richmond Enquirer.

Sherman has exchanged 2,000 prisoners with Hood. 17 of the rebel prisoners refused to return, and took the oath of the Union. A great fire has occurred at Providence, R. I. Gold 221—very quiet.

STOCK SALES TO-DAY.—Gould & Curry $1,180; Ophir, $355.

BOOK BINDING.—One of the most entertaining exhibitions at the Fair, is the display of the materials used in book binding, and specimens of that work in the various stages of its progress, from the loose sheets to the magnificently gilt bible or heavy ledger. This interesting and important branch of our local manufactures is carried on most extensively by E. Bosqui & Co., 514 Clay street. Those beautiful specimens at the Fair are from this establishment—where every description of book work is done to perfection, a number of curious machines being employed, to fold, cut, press, number or rule the paper, and other substances used, by means of which, and other facilities, Bosqui & Co. are able to defy competition, in price or excellence of workmanship. Merchants, shipowners and incorporated companies, will obtain to advantage superior books for their offices from Bosqui & Co., 514 Clay street.

ENTOMBMENT.—The ceremony of the formal entombment of the remains of Rev. T. Starr King, were conducted on Thursday evening in the chapel "garth," or yard adjoining the First Unitarian Church, on Geary street. The remains, enclosed in a suitable burial case were placed in a marble Sarcophagus of massive and appropriate construction, upon which running entirely around its upper edge, is the following inscription: "Rev. Thos. Starr King, Pastor of the First Unitarian Church, San Francisco, born Dec. 16, 1824, died March 4, 1864." The ceremonies were conducted by Rev. Mr. Stebbins and Dr. Bellows. The sarcophagus formed a very conspicuous object to the passers by on the street.

Catalogue of the Exhibition.

This work, which has been attended with all the annoyances and hindrances usual to the publication of such articles, is now ready for the use of the public, who, we doubt not, will more highly appreciate its contents for the correctness gained by its delay. It is published by the authority and under the supervision of the Managers of the Fair, who have labored diligently with ourselves to present an excellent catalogue. Exhibitors have, in many instances, been careless in the description of articles, and heedless in having them entered in proper season, and from this fact alone has arisen the delay in its publication, and all slight errors and omissions which may have occurred.

Communication.

EDITORS OF DAILY PRESS:—The "Challonge" reported in your issue of yesterday, was never made or authorized to be made by me. I never bet. I freely admit that I have claimed and I still claim that my amalgamator is superior to any other in use, and am ready and anxious to have it submitted to a fair trial with any one or more now on exhibition at the Fair.

I am willing that the trial shall be made under the direction of the Committee on Mining Machinery already appointed; or by such other person or persons as myself and the other contestants may agree upon.

THOMAS VARNEY.

[From Mining and Scientific Press.]

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'T—SALE.
Antelope, Esmeralda, $10	Oct 17—Nov 1
Aspinwall, Lander co	Caution*
Astor, Gold Hill, $1	Sep 10—Sep 24*
Alameda Coal, $1	Sep 8—Sep 24
Alemania, San Antonio, $1	Sep 26—Oct 7
Aucha, Inyo, 10c	Sep 22—Oct 6
Apollo, R. R., 50c	Oct 1—Oct 20
Antiquarian, Lander co	Annual Meeting Oct 9
Buckeye and Old Hickory Cons., S. Cat., 50c	Oct 15—Nov 3*
Buckeye, Devil's Gate, $2	Sep 19—Sep 30
Baja California, San Antonio, 50c	Sep 22—Sep 28
Butte, Humboldt	Annual Meeting Sep 26
Big Blue Lead, Tulare, $2	Sep 28—Oct 14
Balmzett & Gold Era Cons., $5	Sale Oct 8, Virginia
Burnside, Virginia, 50c	Oct 5—Oct 20
Big Canon, Tuolumne co., $3	Oct 1—Oct 13
Barreteros, Sinaloa, $5	Sep 28—Oct 11
Boston Copper, El Dorado co., $1	Sep 30—Oct 15
Bullion, $10	Virginia
Crown Point Ravine, Gold Hill, $1	Aug 30—Sep 24*
Citizens', Coal, Mount Diablo, $5	Sep 24—Oct 8*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Caldwell, Cove	Removal*
Consuncion, Sinaloa, $2	Sep 11—Sep 26
Chrysopolis, Virginia, $1	Sep 5—Sep 30
Catalina Cons., San Pedro, 20c	Sep 5—Oct 1
Copp, Sierra, $1	Sep 17—Oct 1
Chicago & Ocetroit, Amador co., 75c	Sep 17—Oct 1
Cordillera, Chihuahua, $1	Sep 21—Oct 1
Cortez, Lander co., $6	Sep 29—Oct 15
California, Virginia, $12.50	Aug 12—Oct 1
Codicia, San Antonio, $2	Sep 27—Oct 10
Central, No. 2, Virginia, $3	Oct 3—Oct 17
Cosala, Sinaloa, $1	Sep 30—Oct 12
Chihuahua & Western Summit	Annual Meeting Oct 1
Chicago & Detroit	Annual Meeting Oct 3
Colorado, Santa Catalina, $25	Sep 19—Oct 10
Caledonia T. & M., Gold Hill, $1	Oct 6—Oct 19
Crown Lead, Mariposa co., $1	Oct 9—Oct 20
Comstock, Lander co	Annual Meeting Oct 9
Comstock, San Antonio, 60c	Oct 8—Oct 22
Cassiapeia	Annual Meeting Oct 1
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Caledonia, Gold Hill	Annual Meeting Oct 3
Dane, Esmeralda, $1	Sale Oct 1*
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Del Norte Comstock, 25c	Sep 18—Sep 30
Dancy, Lyon co., $2.50	Oct 10—Oct 24
Dacola, R. R., $1	Sep 23—Oct 14
Dictator, Alpine co., 50c	Sep 24—Oct 1
De Soto, Siar, $2.50	Oct 22—Nov 9
Dios Padre	Annual Meeting Oct 3
Diamond, Copper, Del Norte co., 75c	Oct 22—Nov 9
Evoca, Del Norte co., 25c	Oct 8—Oct 24*
Eagle Quartz, Amador co., $2	Sep 10—Sep 26*
El Tasto, Mex., $2	Sep 26 Sep 30
Eureka, Coal, Alameda co., $1	Aug 16—Sep 29
El Alamo de San Antonio, Lower Cal., 50c	Sep 10—Sep 24
East Range, Humboldt, $3	Sep 28—Oct 18
El Tesoro, Lower Cal., $3	Sep 26—Oct 10
Evening Star, Humboldt co., $1.50	Sep 17—Oct 8
Ethan Allen, R. R., $1	Oct 11—Oct 26
Ellery, Lander co	Annual Meeting Oct 9
Etna, Esmeralda	Annual Meeting Oct 17
El Tigre	Annual Meeting Oct 3
Fortune, Calaveras co., 50c	Oct 22—Nov 9*
Fairview, Copper, Calaveras co., 40c	Sep 10—Sep 26*
Franco Americana, San Antonia, $1	Oct 10—Oct 26
Florida, Lander Co., $5	Sep 6—Sep 20
Fork, 25c	Sep 29—Oct 15
Gen. Jackson, Devil's Gate, 50c	Sep 24—Oct 8*
George Washington No. 2	Annual Meeting Nov 17*
Gold Rock, Calaveras co., 50c	Sep 10—Sep 26*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Great Western, Keyes, Mono co., $1	Sep 24—Oct 8*
Gubernadora, Lower Cal., $1	Oct 18—Oct 31
Green, Gold Hill, $1	Sep 8—Sep 24
Gold Canon Cons., Gold Hill, $2	Sep 24—Oct 8
Gov. Nye, Alpine co., 50c	Sep 24—Oct 8
Gov. Seymour, R. R., $2	Sep 26—Oct 8
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Henry & Barnard, Weaver, 10c	Oct 8—Oct 17*
Humboldt Canal, Humboldt co., $3	Sep 17—Oct 5
Humboldt, Sierra District, $2	Sep 30—Oct 19
Humboldt T. & M., Humboldt co	Annual Meeting Sep 26
Halo & Norcross, Virginia, $25	Oct 15—Nov 1
Independent, R. R., $1	Oct 8—Oct 22*
Illinois, El Dorado Canon, A. T., $2	Oct 1—Oct 17*
Isabella	Annual Meeting Oct 1
Jewett, Gold Hill, $1	Sep 21—Oct 6
Jewel, Devil's Gate, $1	Sep 21—Oct 4
Josephine Quicksilver, Salinas, $5	Oct 7—Oct 18
Kanaka Quartz, 25c	Sep 19—Sep 30
Kentucky Copper, Madamo Felix, 50c	Oct 3—Oct 22
Kohler Bros., San Antonio, Mex., $1	Sep 29—Oct 13
Logan, Arizona	Annual Meeting Sep 26*
La Candelaria, San Dimas, $2.50	Sep 24—Oct 8*
La Libertad, Cacachillas, L. C., $1	Sep 3—Sep 17*
Lady Bell, Low Divide, 10c	Oct 24—Nov 5
Louisiana, R. R., $1.50	Sep 12—Oct 1
Lelus, Gopher, 10c	Oct 21—Nov 6
Lily of the West, Esmeralda, 5c	Sep 14—Sep 25
Las Chureas, Lower California, $50	Oct 5—Oct 17
Legal Tender, Lander co., $1	Aug 9—Sep 24
La Fernandez, Hermosillo, Mexico, $2	Sep 26—Oct 11
La Blanca, Ures, $2.50	Sep 26—Oct 7
Las Cruzecitas, San Xavier, $6.25	Sep 26—Oct 8
Laura Johnson, Los Angeles, 50c	Oct 4—Oct 19
Luey Ella, Gold Hill	Sale Oct 18
Mejicana, Contia Cosia, 15c	Oct 11—Oct 31*
Mosquito Quartz, Calaveras co., $9	Sep 10—Sep 25*
Mechanics', Clayton, 5c	Sep 24—Oct 8*
Maggie, Lauder co., $5	Sep 9—Sep 29
Musidora, San Antonio, 50c	Oct 8—Oct 22
Maria, Chihuahua, 75c	Sep 24—Oct 8
Monte Cristo, Virginia, $1.50	Sep 28—Oct 14
Maria, Lower California, $3	Sep 24—Oct 8
Manzanillia, Sinaloa, 25c	Sep 24—Oct 7
Mina Prieta, Ures, $10	Sep 23—Oct 5
Manchester, Monitor	Annual Meeting Oct 3
Mary Frances, Alpine co., 50c	Oct 10—Oct 22
Mina Rica de Las Flores, Calaveras co., $1	Oct 10—Oct 26
Monster Cons., 50c	Oct 24—Nov 5
Manchester, Monitor, $1.50	Oct 22—Nov 5
Mina Prieta	Annual Meeting Oct 1
Mineral Hill T. & M., Mono co., 50c	Oct 19—Nov 1
New Era, Cop., Tuolumne co., 50c	Sep 24—Oct 10*
North Star, R. R., $3	Oct 6—Oct 19
New England Cons., Santa Catalina, 5c	Sep 16—Sep 26
Nuestra Senora de Guadaloupe, Mex., $1	Sep 23—Oct 8
North American, $2	Virginia
Ne Plus Ultra, Tuolumne co., 50c	Oct 8—Oct 20
Oxford Bota, Esmeralda, 50c	Oct 8—Oct 26*
Owens River, Inyo, $3	Sep 13—Sep 24
Overman	Salo Oct 6, Gold Hill
Providence, Nevada co., $1	Oct 22—Nov 5*
Porter, Virginia, N. T., $5	Aug 27—Oct 1*
Penn Silver, Lower California, $3	Aug 20—Oct 1*
Plumbago, Sierra, $1.50	Oct 13—Oct 27
Peyiona, Virginia, $1	Sep 12—Sep 30
Providential, Lander co., $3	Sep 15—Sep 30
Pearl, Copper, Del Norte co., $25	Oct 2—Oct 12
Penole, Clayton, 20c	Oct 12—Oct 24
Peninsula, San Antonio, $10	Aug 25—Sep 2
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Rose Linda, Alpine co., 60c	Sep 30—Oct 10*
Rhodes Diggings, Sacramento co., $1.50	Sep 10—Sep 24
Roxby, Gold Hill, 50c	Sep 21—Oct 3
Rose	Special Meeting Sep 24
Real del Monte, Esmeralda	Salo Oct 10
Rose, Humboldt	Annual Meeting Oct 3
Simpson & Bossello, Carson Valley, 30c	Oct 22—Nov 7*
Sistors & Augusta, Lander co., 15c	Oct 19—Nov 19*
St. Paul, Lander co., 50c	Oct 15—Oct 29*
Salinas, Monterey, co., 20c	Oct 15—Oct 29*
Scottic, La Paz	Annual Meeting, Sept 27*
Santa Cruz, Petroleum, 12½c	Sep 26—Oct 10*
Salamander, Calaveras co., 10c	Sep 17—Oct 4*
San Francisco, Moss Ledge, S. F. Dis., A. T.	$1.Sep 17—Sep 28
Silver Prize	Annual Meeting Sep 20*
Silver Prize No. 2	Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Sweet Vengeance, Yuba co., $1	Oct 20—Nov 4
Siskiyou, Siskiyou co., $1	Sep 10—Oct 4
Standard, Lander co., $1.50	Sep 13—Sep 28
Sierra, Genoa, $2	Oct 5—Oct 17
Sheba, Star City, Humboldt co., $10	Sep 12—Oct 1
Smith & Martin, R. R., $12	Sep 23—Oct 5
Seneca, Esmeralda, 10c	Sep 14—Sep 25
Sotoyome, Esmeralda, 5c	Sep 14—Sep 25
Sigel, Humboldt, $1.50	Sep 20—Oct 3
Scottish Chief, Humboldt co., $1	Aug 9—Sep 22
Silver Circle, R. R., $1	Sep 30—Oct 18
Sonoma Ledge, R. R., $1	Oct 7—Oct 21
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Sonoma, Cloverdale, 15c	Sep 8—Sep 28
Smoky Valley, Lander co., $1.50	Sep 24—Oct 8
Sierra, Genoa, $2	Oct 5—Oct 17
Stanislaus Copper, 25c	Sep 26—Oct 11
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Soledad Hill, Soledad, 50c	Oct 21—Nov 1
Santa Cruz Petroleum	Annual Meeting Sep 27
South Sonoma	Annual Meeting Oct 3—Austin
Table Mountain Copper, Stanislaus co., $1.65	Oct 22—Nov 7
Tallulah, Sierra, $15	Oct 15—Oct 25*
Texas, R. R., $1	Sep 12—Oct 1
Teulonia, Gold Hill, 25c	Sep 16—Sep 29
Tecoripa, Hermosillo, $3	Sep 26—Oct 6
Troy, R. R., $2	Sep 30—Oct 14
Toledana, Mariposa, 25c	Aug 22—Oct 1
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Lander co, $1	Sep 10—Sep 24
Union No. 2, R. R., $1	Sep 15—Sep 28
Union, Copper	Annual Meeting Sep 24
Uncle Sam, $100	Virginia
Utah, $12.50	Oct 22—Nov 14
White & Murphy, Virginia, $7.50	Sep 21—Oct 4
Washoe, Gold Hill $4.50	Oct 15—Oct 26
Wide West, Alpine co., 50c	Sep 24—Oct 8
Winnemuca, N. E. Ex., Esmeralda, $3	Sale Sep 28
Well Partridge, Arizona, 25c	Oct 18—Oct 31
Waitt Cons., Arizona	Annual Meeting Oct 1
Yellow Jacket, 11 per cent	Oct 4—Gold Hill
Yankee Blade, R. R., $5	Sep 16—Oct 3
Zenith, Calaveras co., 50c	Sep 17—Oct 3

Those marked with an asterisk (*) are advertised in this journal.

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.]

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

CLOSE OF THE FAIR.—As already noticed the Fair will close on Saturday, the 1st of October, after which the Pavilion will be emptied of its contents and preparations made for a grand Promenade Concert and Ball, which will be given at the Pavilion, on or about the 10th of October. On that occasion the Art Galleries will be turned into supper rooms, the restaurant into a ladies' dressing chamber, and there will be a large string band and a brass band of fifty piecee. The Pavilion will be handsomely decorated for the occasion, and it is expected that five or six thousand people will be present.

COMMITTEES OF AWARD.

The following is a list of Committees of Award, and the date of their election by the Exhibitors of the various classes, or as appointed by the Executive Committee on account of the failure of Exhibitors to elect.

September 13, 1864.

On Cabinet Work: W. P. Taylor, J. Ross, C. Rechter.

On Upholstery: Ackerman, Neppart, E. Blezman.

On Billiard Tables: Moulin, Haight, Aug. Russ, S. Hermann, W. Thompson, Jr.

On Carriages and Buggies: Woodside, Shute, R. S. Eells.

September 14th.

Music and Musical Instruments: On Pianos—E. Hartman, G. A. Scott, R. Herrold. On other Instruments—G. Koppitz, D. Finn, F. Medina, Geo. Cocs, M. Simonsen, M. Y. Ferrer.

On Waxwork: M. F. Butler, G. W. Bell, P. Mezzara.

September 15th.

On Leather and its Manufactures: Boots and Shoes—J. R. Hughee, J. Fogarty, W. F. Burke. Saddlery—W. H. Buxter, J. C. Johnson, H. Judge. Trunke—E. Uber, R. Dowling.

Belting and Hose: A. C. Austin, E. Wilson, F. E. R. Whitney.

September 19th.

Paper and its Manufacturee: D. H. Ball, Emerson, Thompson, Jamce Linen.

September 20th.

Wool and its Manufactnres: S. Hermann, C. H. Harrison, A. Austin, G. F. Walter.

Wool and Wool Samplee: Dr. Tuthill, C. J. Dempster, John McAllister.

Wool Packages: C. P. Lolor, A. B. Forbes.

Mens' and Boys' Clothing: F. Elwell, E. Boucher, Charles Boyes, L. Schweinle.

September 21st.

Stoves and Hardware: J. De La Montagna, J. Gordon, G. Snook.

Miuing Machinery: O. Belden, Kellogg, (of K. Hewston & Co.,) W. Garratt, H. P. Wakelee, O. Gori, G. H. Johnson, J. Brodie.

Manufacturing Machinery and Steam Enginc: W. McKibbin, W. Schmolz, Jas. Moore, C. C. Bemis.

Hydraulic, Hydrostatic, Pneumatic Engines, Turbines, Fire Engines, Pumps, Windmills, etc.: Jas. Moore, F. J. Hughes, W. Garratt, A. C. Austin, G. V. Huerne.

Marble Mantels: Crane, P. J. O'Connor, W. Patton.

Sculpture: C. Gori, T. Hill, J. B. Wandesford, F. Arriola, P. Tofft.

Cooperage: John Breen, Geo. Enkel, Wm. Gun.

September 16th.

Dentistry: Dr. C. E. Blake, Dr. R. E. Cole, Dr. Austin.

Dental Apparatns: Mr. Schenk, Rev. Mr. Strong.

Trusses, Etc: Dr. A. J. Bowie, Dr. Regenberger, Dr. A. F. Sawyer, Dr. W. Hammond.

Cutlery: Dr. A. F. Sawyer, Col. J. W. McKeuzie, I. Ward Eaton.

Agriculture: Mr Garrett, Mr. Hungerford, D. L. Perkins, Geo. Humphrey, James Lick.

Military Goods: Charles Main, A. Jackson, A. G. Abell.

Furs, Etc: C. T. Blake, Mr. Burkard, W. Burling.

September 17th.

Arms and Amunition: Firearms—W. H. Brown, Nutting, Wessinger, P. B. Comins. Powder—A. J. Plate, R. Liddle.

Signs, and Ornamental Sign Painting: F. L. Jones, F. Nutz, G. D. Wyman.

Thursday, September 22d.

On California Wines: J. Cody, S. W. Inge, C. R. Bond, N. Luning and L. J. Czapkay.

On California Liquors: J. Cody, I. Rowell, W. H. Keith, L. J. Czapkay.

On California made Safes: W. Hartman, A. Auberlin, and F. Marks.

On Domestic Preparations: Pickles, Preserves, Jellies, etc.—G. D. White, S. B. Goddard, and Chas. Bowen.

On Ships, Boats, Models, and Naval Storee: Capt. W. Irelan, Capt. J. B. Thomas, and Capt. T. W. Batchelder.

Committee on Architectural and Mechanical Drawing and Penmanship: T. Grob, W. Marsh, V. Squarza.

FINE CLOTHING.—At the establishment of E. C. Dake, 540 and 541 Washington street, is to be found the finest eastern made clothing, and one of the largest assortmente of gentlemen's furnishing goods in the city, at prices to suit the times.

DONORS TO THE PAVILION.

It will be interesting to our readers, and all who feel a pride in our present Industrial Exhibition, to learn the namee of those who promptly responded to the solicitation of the projectore of the enterprise in its early developments, while the assurances of success were very dim; we therefore deem it just to the public to bring forward the following list of those who, as it were, placed their shoulders to the wheel and inaugurated the grand movement, by subscribing the several amounts opposite their names for the purpose of erecting the magnificent structure in which we are to-day assembled.

Joseph Britton	$250 00
A. S. Hallidie	250 00
Ed. Nunan	250 00
Jas. A. Pritchard	250 00
H. F. Williams	250 00
W. H. Knight	250 00
C. R. Steiger	250 00
Wm. Norris	500 00
N. B. & M. R. R. Co.	300 00
H. T. Graves	250 00
T. H. Selby & Co.	250 00
Alsop & Co.	250 00
Geo. C. Johnson	250 00
Wm. Alvord & Co.	250 00
H. D. Cogswell	250 00
W. T. Coleman & Co.	250 00
Conroy & O'Connor	250 00
O. F. Giffin & Co.	250 00
Goddard & Co.	250 00
James K. Bolton	250 00
H. H. Bancroft	250 00
Wm. B. Cookc	250 00
Kennedy & Bell	250 00
H. Webster	250 00
Lewis Leland	250 00
J. H. Beard	250 00
Central R. R. Co.	250 00
A. W. McPherson	250 00
R. B. Woodward	250 00
H. Casebolt	250 00
Geo. Gordon	250 00
D. McLennan	250 00
J. P. Buckley	250 00
McDonald & Bro.	250 00
H. L. Gates	250 00
F. Maigneu	200 00
Meeker, James & Co.	150 00
Russel & Erwin Manufacturing Co.	100 00
J. J. Hucke	100 00
F. E. Weygant	100 00
Gallagher & Weed	100 00
H. P. Cumming	100 00
D. R. Colcman	100 00
H. P. Coon	100 00
A. Paltenghi	100 00
G. B. Davie	50 00
W. G. Oshorn	50 00
	$10,300 00

The above subscriptions were promptly advanced in building the Pavilion, to be refunded if the receipts of the exhibition, above all other expenses, should admit of it. We certainly hope they may be surprised with such a reward.

THE WASHOE.—The wreck of the Washoe has been raised. It is said that neither the hull nor the engine have been seriously injured. She will be towed to this city to-day or to-morrow for repairs.

TO THE LADIES!!

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CATALOGUE

Of the Articles on Exhibition at the Mechanics' Pavilion, including those of the

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With the Ground Plan of the Building; A "Key to the Contents of the Pavilion," and an Alphabetical Index of Exhibitors' Names.

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PUBLISHED EVERY SATURDAY.

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ONLY TRUE MINING AND MECHANICAL MEDIUM

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A Faithful Monitor for Stockdealers,
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An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

REPORTS OF THE MECHANICS' FAIR

Will form a feature of Volume IX, as we intend to give a careful description of all new inventions exhibited.

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

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Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

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Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

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Jacob Shew's
CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.
[PATENT APPLIED FOR.]
THE UNDERSIGNED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a
SOFTNESS, CLEARNESS AND DELICACY OF TONE
unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.
In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.
☞ The public are invited to examine specimens at my Gallery. ☜ JACOB SHEW.
6-tf 315 Montgomery street, near Pine.

Vulcan Iron Works Company.
P. TORQUET, Manager.
Steam Engine Builders and Boiler Makers,
Iron Founders and General Engineers,
PUMPING, HOISTING, MINING AND QUARTZ-CRUSHing machinery. Shoes and Dies of the hardest iron. Russia Iron Punched Screens, Steamboat Machinery, Saw, Flour and Sugar Mills. High and Low Pressure Boilers of all styles. Jorval, and other Turbine Water Wheels with latest improvements.
No. 187 & 139 First Street San Francisco. tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

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BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
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STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission,
OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.
IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address SMITH & HANSCOM,
I5v8-3m Golden State Iron Works, San Francisco.

To Mexican Mining Companies.
A person in every way qualified desires a situation as Superintendent for some Company working in Mexico. Is a first class Assayer and Metallurgist and can give the best of references. Address, Mexico, Lock Box 2113 P. O. San Francisco. *qy3t

MINERS' MEASUREMENT OF WATER.

The unsettled state of the question of what should constitute a "miners' inch" of water, has caused much controversy and no little inconvenience and loss among manufacturers of mining machinery, and among buyers and sellers of water, throughout the State and adjoining territory. Efforts have been made to effect legislative action upon the subject, in order to produce a uniform rule of measurement, but hitherto without effect. The miscellaneous and uncertain mode of measurement is still in vogue. Some companies measure six inches from the top, others six inches from the center and others still six inches from the bottom of the aperture. Whatever rule may be decided on, it must, like the horse power, which it required so long a time to establish, be one of an arbitrary character. We would call the especial attention of miners and others interested, to the following action had at the Mechanics' Pavilion, on Wednesday, the 21st inst. and would suggest that it be accepted, by general consent, as a finality, and that our next Legislature put upon it the stamp of a legal enactment. It will be observed that a six inch pressure measured from the centre of a two inch aperture, with a constant supply, to the guage box, is deemed the fairest standard, and is in harmony with the rule suggested below :—

At a meeting of persons interested in mining and mining machinery, held at the Mechanics' Fair Pavilion, on Wednesday, Sept 21st, 1864, a discussion arose as to the necessity of having some standard as to what should constitute a miners' inch of water. It was finally agreed (without regard to what ditch companies may sell as an inch of water) that in calculations for the construction of machinery, a miners' inch of water shall equal the amount of water that will pass through an opening one inch square, under a pressure of six inches, measured from the center of the orifice ; or a body of water 336 feet long and one inch square, the amount which will pass through said orifice in a minute ; or 145 86-100 lbs of water passing a given point in a minute ; or 17 4054-10000 U. S. standard gallons of water passing a given point in a minute ; or 2 333-1000 cubic feet of water passing a given point in a minute.

The Immigration of 1864.—A gentleman writing from Ruby Valley, under date of August 31st, says: I never in my life saw so many poor immigrants; their poor apologies for teams, no provisions, no money ; many are sick, and many have buried one or more members of their families. An unusual number of accidents have happened from too careless handling of firearms Mr. Nichols, of Marengo, Illinois, had a son fifteen years old killed ; a little girl, fourteen years old, had her arm entirely shot off ; and several other persons have been maimed in various other ways. I cannot see where all these people are going to locate ; California will get the largest share ; some will go to Oregon, and some will go to any place where they can earn a livelihood for themselves and their families.

Gun Cotton Redivivous.—The friends of gun-cotton are pressing its advantages over gunpowder very actively. Its weight is only one-sixth that of gunpowder. It produces no smoke ; it does not foul ; it does not heat. With but one-fourth the weight of a gunpowder charge it gives equal initial velocity, and in shells one-third of the weight produces double the explosive force. Time, damp and exposure do not alter its qualities.

How to Protect Dried Fruit from Worms.—It is said that dried fruit put away with a little sassafras bark (say a large handful to a bushel) will keep for years, unmolested by those troublesome insects, which so often destroy hundreds of bushels in a season. The remedy is cheap and simple.

Do not make mouths at the public because it does not accept you at your own fancied valuation. Do the best you can, bide your time with patience, and if there is anything in you it will work its way to the surface.

Wool.—The wool crop of Tehama county says the *Independent*, will be the largest this fall of any fall clip since the county was organized. There are several thousand more sheep in the county than has been at any former season, and the fleeces are more than an average.

The Maori War which has been so long waged by the English against the aboriginees is at an end, and the Maoris, of New Zealand, have been effectually subdued.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE
Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

R. H. McDONALD. J. C. SPENCER.
R. H. McDonald & Co.,
WHOLESALE DRUGGISTS,
SACRAMENTO.

R. H. McDonald & Co.,
Cor. of Sansome and Pine Sts.,
SAN FRANCISCO.

THE INCREASING BUSINESS OF OUR ESTABLISHMENT, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
SURGICAL INSTRUMENTS,	PATENT MEDICINES.
DENTAL GOODS,	HERBS AND EXTRACTS,
FANCY ARTICLES,	BREWERS' AND SODA
BRUSHES AND COMBS,	STOCK,
SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
SUPPORTERS,	BURNING OILS & FLUIDS,
GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

3-3m R. H. McDONALD & CO.

CROCKERY,
Glassware, French China,
COAL OIL LAMPS,
CLOCKS, CUTLERY,
SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the

LOWEST RATES.
HAYNES & LAWTON,
516 and 518 Sansome st., cor. Merchant, San Francisco.
1-3m

J. H. GRUSH, J. A. PEER, W. BUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.

☞ Scroll Sawing Done to Order. ☜
Fremont St., between Market and Mission, San Francisco. 3-3m

DENTAL GOODS!
Dental Importing House.
R. H. McDONALD & CO.,
DRUGGISTS,
Corner Pine and Sansome streets, San Francisco.

R. H. McDONALD & CO., DRUGGISTS,
SACRAMENTO.

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

DENTAL AND SURGICAL INSTRUMENTS, TEETH,

Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Pluggers, Scalers, Files.

ROSEWOOD DENTAL CASES,

Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

Dental Books.

We keep constantly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

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Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.

References:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Luther A. Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!
Promptness and Accuracy Secured,
BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!

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Refer to the Editors of this Journal.

☞ "HINTS FOR PROSPECTORS" free by post. 1tf

Kustel Brothers'
METTALLURGICAL WORKS;
Bryant Street, Between Third and Fourth, San Francisco.

☞ Office, 418 Montgomery Street. ☜

☞ Gold and Silver Ores Reduced.
Practical Assays made of Gold, Silver and Lead Ores.
19-tf Also Cupellation and Refining of Silver and Gold.

WOODARD & WILSON,
Copper Crushing and Grinding.

Attend to all kinds of Grinding & Crushing,
—SUCH AS—
COPPER ORES, MARBLE DUST, FIRE-BRICK DUST,
And Feed of all Kinds,
All of which will be Ground at the Shortest Notice.
—ALSO—
California Mineral Paint and Mineral Polishing Powder.
Works—No. 537 Market Street.
San Francisco, January 1st, 1864. 1-tf

DEETKEN & CO'S
METALLURGICAL WORKS,
FOR THE REDUCTION OF
SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND GOLD,
Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.
Works—On the San Bruno Road.
Office—No. 315 Montgomery St., San Francisco. 16tf

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

BLAKE'S
QUARTZ BREAKER
Is now extensively used for breaking hard masses of
QUARTZ OR ORES
to a size suitable for stamps. These machines are patented, and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
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W. O. ANDREWS,
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Hudson's Improved Pump,
(Specimen on Exhibition in the Pavilion.)
Plumbing and Gas Fitting in all its Branches.
No. 33 Webb Street. A. J. SMITH,
9-d1aff

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF SEPTEMBER, 1864.

Sep. 13—SACRAMENTO.....Geo. F. Bradbury.
Sep. 23—GOLDEN CITY.....Capt. W. F. Lapidge.

From Folsom street Wharf, at nine o'clock A. M., punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
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(SUCCESSOR TO O. HOBI)
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No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.

Mantels, Monuments, Tombs, Pinnbers' Slabs,
Etc., On hand and Manufactured to order.

☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

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Third Edition revised and enlarged.
Compiled by H. B. CONGDON.

THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.

Published by H. H. BANCROFT & CO.
10

Gregory Yale,
ATTORNEY AT LAW.

Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

H. HOCHHOLZER,
Civil and Mining Engineer,
Office, Roe's New Building, B. Street, Virginia City.

PARTICULAR ATTENTION PAID TO THE SURVEY OF TUNNELS, THE EXECUTION OF TOPOGRAPHICAL MAPS AND MINING ENGINEERING IN ALL ITS BRANCHES.

☞ References given where required. ☜
26-3m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.

Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
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☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
11v8-m 313 and 315 Davis Street, San Francisco

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

STEEL! STEEL!! STEEL!!!
OCTAGON, 7-8, 1in, 1 1-8,
SQUARE, 3-4, 7-8, 1in, 1⅛in.
For Sale in lots to suit Purchasers by
J. S. CURTIS.
Office, 405 Front street, San Francisco. 6v8tf

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By FRONTIER & DEVIERCY.
437 Pine Street, San Francisco.
au31tf.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

A New and Valuable Book.

PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.

A. ROMAN & CO.,
Booksellers, Importers and Publishers,
417 and 419 Montgomery street,
no30-tf San Francisco.

AN ORIGINAL MODE OF ADVERTISING.—It will be seen from the advertisement of the Florence Sewing Machine Co., in another column, that they give the names and places of business of their principal competitors in the sewing machine line, and urge those seeking a perfect machine to avail themselves of this list in making their selection. Nothing can be fairer or more liberal than this, and it shows conclusively that the Florence company *do not fear the result of a comparison of their machines with others*. If a little more of this spirit was evinced by our merchants the public would be the gainer. *We hope they have not patented the style.* *

Programme of the Fair.

Until further notice the Pavilion will be open for the admission of visitors

At 9 o'clock A. M., every day except Sundays.

ADMISSION:

Season Tickets for Lady and Gentleman	$5 00
Season Tickets for one person	3 00
Season Tickets for Juveniles	1 50
Tickets for single admission	50
Tickets for Juveniles, single admission	25

Tickets may be had at the Institute, on California street or of any member of the Executive Committee, or at the Pavilion.

THE MECHANICS' INSTITUTE
—OF THE—
CITY OF SAN FRANCISCO.

Orgauized March 29th, 1855.

Building of the Association

529 California Street.

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Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

Evening Instruction in Anylitical

Chemistry and Assaying,

Conducted by Thomas Price.

(Agent for the Swansea Ore Importers in California.)

HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that

A NEW CLASS WILL BE FORMED

On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

(Illustrated in the Mining and Scientific Press, April 9th, 864.] HEPBURN & PETERSON.
nov83m*

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete Index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

Palmer's Patent

ARTIFICIAL LEG,

Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

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GO AND SEE

HUNT'S
IMPROVED WINDMILL,

Hunt's New Pump, Hunt's Improved Endless Chain Horse Power, Hunt's Rotary Shears, and a number of other Novel and Valuable Machines at the Manufactory

No. 28 Second Street. 7

Have You Seen
"HUNTER'S"
New Concentrator, Amalgamator, and Separator,

For the Concentration of GOLD, SILVER and COPPER ORES as they are discharged from the Pans or Battery; also,

HUNTER'S GRAIN SEPARATOR,

The most perfect machine for the separation of the different kinds of grain that has ever been offered for sale.

The above Machines are on exhibition at the Pavilion, where visitors are requested to call and examine them, and where a full explanation will be given of their working operations. 7-df

H. T. GRAVES,

MANUFACTURER OF

Ore Screens, Sand Screens, Foundry Riddles, Flour Selves Nursery Fenders, Rat Traps, Wire Cloth, Quartz Screens, Cloak, Shawl or Bonnet Stands and Wire Work of every description, at the

CALIFORNIA WIRE WORKS,
7-df 412 Clay Street, San Francisco.

FOR SALE.

We have on exhibition and for sale one Doctor's Phæton; One first class Six Seat Family Carriage; One fine Coach; all of the latest style and finish.
9-df **H. CASEBOLT & CO.**

FOR SALE.

First class Engine and Boiler, with pump, heater &c., in complete running order.
Sold only on account of power, not being sufficient for increase of business. Can be seen corner 5th and Market St.
9-df **H. CASEBOLT & CO.**

GREAT TRIUMPH
—OF THE—
FLORENCE!

We, the undersigned, have each purchased a FLORENCE SEWING MACHINE and have them now in use.

We have thoroughly tested them on work of all grades—heavy, medium and light—and our opinion is that the Florence is durable, will not easily get out of order, is strong and simple in construction, and its use is easily learned by the most inexperienced.

It will do a greater range of work, with less trouble and change, and we consider it altogether better than any other Family Sewing Machine we have ever seen:

Mrs. Dr. Chase, 31 Turk street, S. F.
Mrs. D. B. Coffin, 20 Clay street, S. F.
Mrs. J. B. Wooster, 525 Folsom street, S. F.
Mrs. S. D. Gilmore, 518 Folsom street, S. F.
Mrs. Daniel Dunn, 414 Folsom street, S. F.
Mrs. J. Spinoni, 228 Rich street, S. F.
Mrs. Alfred Wheeler, 947 Mission street, S. F.
Mrs. Henry Miller, 850 Howard street, S. F.
Mrs. Emily Bidwell, 749 Market street, S. F.
Mrs. Sarah Landers, 704 Market street, S. F.
Mrs. E. H. Ohm, 211 Geary street, S. F.
Mrs. G. A. Carnes, Jackson Place, S. F.
Mrs. Branch, Pacific, near Leavenworth street, S. F.
Mrs W. H. Barnard, 508 Kearny street, S. F.
Mrs. E. Harper, Sacramento, west of Leavenworth street, S. F.
Mrs. Harriet Cushing, 316 First street, S. F.
W. H. Rulofson, corner Montgomery and Sacramento streets, S. F.
Mrs. Pruett, 616 California street, S. F.
Mrs. M. S. Morton, 632 Sutter street, S. F.
Mrs. Bohen, 617 Pine street, S. F.
Mrs. Ann Bradley, 612 California street, S. F.
Mrs. Geo. H. Parker, 259 Stevenson street, S. F.
Mrs. John C. Corbet, Mission Dolores.
Miss Annie McBoyle, El Dorado.
Miss Maggie McBoyle, El Dorado.
Chas. S. Preble, Sacramento.
Louis Stegeman, Santa Clara.
J. W. Hoag, Oakland.
Mrs. A. M. Dunham, Oakland.
Mrs. Orrie Woodill, Oakland.
Mrs. D. G. Smith, Oakland.
Mrs. J. B. Woodill, Oakland.
Mrs. Mary E. Burckhalter, Dutch Flat.
Mrs. C. J. Oliver, Napa.
Mrs. Samuel T. Tong, Clarksville, El Dorado, county.
Wm. Reddick, Fourth Crossing, Calaveras County.
Mrs. C. E. Comstock, Napa City.
Mrs. Joseph Keefer, Clarksville, El Dorado county.
Mrs. John O'Neil, Jamestown, Tuolumne county.
R. H. Farquhar, (County Clerk) Nevada City.
George K. Farquhar, Nevada City.
E. W. Biglow, Nevada City.
N. W. Knowlton, (practical machinist) Nevada City.
C. M. Bates, M. D., Nevada City.
John Herzinger, Nevada City.
H. Mackie, Nevada City.
P. Brunstiter, Grass Valley.
O. C. Shorey, Seattle, W. T.
D. Horton, Seattle, W. T.
Henry Jackson, Watsonville, Santa Cruz co.
Mrs. Albert Bader, San Andreas.
Mrs. Newton Damon, dress maker and tailoress, Seventh street, between Bryant and Brannan, San Francisco.

Previous to purchasing the Florence I owned the Howe Sewing Machine.
MRS. J. CRAWFORD,
Copperopolis, Calaveras county, Cal.

I used the Sloat Eliptic Machine six months previous to purchasing the Florence.
MRS. MARY CAFFEY,
Dressmaker, 16 Post street, San Francisco.

We, whose names follow, owned and used the Grover & Baker Sewing Machine previous to purchasing the Florence:

Mrs. Mary A. Merchant, dressmaker, 810 Stockton street, San Francisco.
Mrs. B. Weller, dressmaker, 406 Dupont street, San Francisco.
Mrs. Chas. Uznay, 419 Bryant street, San Francisco.
E. A. Love, Angel's, Calaveras county, California.
Mrs. M. J. Roberts, 646 Howard street, San Francisco.
Mrs. L. H. Bayley, Portsmouth House, San Francisco.
Mrs. Julia Lyons, Target street, near Tehama, San Francisco.
Mrs Harriet Howes, 625 Post street, San Francisco.

We, whose names follow, owned and used the Wheeler & Wilson Sewing Machine previous to purchasing the Florence:

Mrs. J. D. Blain, Hubbard street, near Howard, San Francisco.
Mrs. D. S. Ruggles, 414 Folsom street, San Francisco.
Mrs. M. Young, 211 Stockton street, San Francisco.
A. M. Flint, C. L. Flint, San Juan, Monterey county, Cal.
Mrs. C. P. Jackson, El Dorado, El Dorado county, Cal.
Mrs. C. L. Taylor, 512 Dupont street.
Mrs. Sarah E. Miller, Sacramento.
Mrs. A. Nash, corner Stevenson and Third streets, San Francisco.
Mrs. Thomas Mitchel, Mokelumne Hill, Calaveras county.

The following named persons owned and used the Singer Sewing Machines previous to purchasing the Florence:

Mrs. A. J. Turner, 320 Beale street, San Francisco.
Mrs. H. B. Osborne, 612 Powell street, San Francisco.
Mrs. Annie Dailey, Bush street, below Stockton, San Francisco.
Augustus Brown, 134 Sutter st., San Francisco.
Mrs. F. Scherb, 673 Mission street, San Francisco.
Mrs. Sarah P. Vick, dressmaker and seamstress, 109 Stevenson street, San Francisco.

I have found the Florence to be all that I anticipated. It has never been out of order, nor ever has "spells," like most machines of other manufacture, several of which I have owned. I can conscientiously recommend the "Florence."
Mrs. ALBERT BADER.
San Andreas, May 17, 1864.

The Testimony of all purchasers of the Florence is but a repetition of the opinion of the few whose names are given above.

As our competitors have not deemed it advisable to exhibit their machines at the present Fair, to be tested by the side of *The Florence*, and as there are many strangers in the city, who contemplate purchasing sewing machines, who prefer (and we earnestly request them to do so) to see and compare the merits of all before they make their selection, we give below, for their convenience, the location of the principal Sewing Machine Offices in the city.

LOCK STITCH MACHINES.

Wheeler & Wilson's, office, corner Montgomery and Sacramento streets.
Singer's, 139 Montgomery street.
Ladd & Webster's, 32 Montgomery street.
Howe's, 3 Montgomery street.
Williams & Orvis', corner Jackson and Battery streets.

CHAIN, LOOP, AND "EMBROIDERY" STITCH MACHINES.

Grover & Baker's, office, 329 Montgomery st.
Folsom's New England, 8 Montgomery street.
Little Giant, 3 Montgomery street.

Parties who have not had the opportunity to thoroughly examine the Florence at the Pavilion, owing to the crowd of people gathered around the machines, will please call at Sales Room 111 Montgomery street and test them at their leisure, and until perfectly satisfied whether what is claimed for them is true or not.

SAMUEL HILL,
General Agent for the Sale of the Florence on the Pacific Coast.

MRS. C. M. CHAPMAN'S

Celebrated Vegetable Hair Dye.

THIS Coloring for the Hair is guaranteed to effect its object in the most perfect manner, without injury. Being composed of a vegetable Seed, it has a tendency to promote its GROWTH and STRENGTH.

It contains no mineral substance as other Dyes. Batchelor's and all other Dyes known are composed of, or from, Nitrate of Silver. This has no such substance. Specimens of Ladies' Hair colored can be shown to the satisfaction of any one. No. 687 Market Street. 10v9-1df

ASTROLOGER.

GO and see the Natural Gifted Astrologer, PROF. COHEN, 630 California street. He can give you true information as to the Past, Present and Future on Business Affairs, Law Suits, Matrimony, Love, Absent Friends, Sickness, etc. He tells the events of your whole life, and how to avoid trouble. A large number of people have been benefitted by his knowledge. As an evidence of his reputation he has received upwards of 15,000 consultations here in San Francisco.

N. B.—When personal consultation is had it will not be necessary to give the age. Office hours, 8 to 12 M., and from 2 to 9 P. M. Consultation, $2; by letter, $3 with Chart. Sickness will be discovered and cured through science only known by him. 1-df

OUR ADVERTISERS.

We would call the especial attention of persons visiting the city during the continuance of the Fair, to the advertising columns of the MECHANICS' FAIR DAILY PRESS. Strangers will find these columns a sure and safe guide in making their purchases. Almost, or quite, every department of trade and business will be found there represented; and it may be set down as a pretty safe rule that those merchants and business men who have availed themselves of this opportunity to spread their business before the thousands of strangers who are now visiting the city, will be found the most liberal in their dealings of any of our traders. The liberality and good judgment which has secured for them a place in these columns, will not be found wanting in ordinary dealings with their customers. We trust our lady and gentlemen friends, under whose notice these lines may fall, will look over our columns carefully and make therefrom a selection of the business firms with whom they may have occasion to deal. In future numbers we shall take occasion to call particular attention to each of our advertisers in turn.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of the coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and and responsible agency upon this coast.

B. P. MOORE & CO.,

FURNITURE,

Corner Pine & Sansome streets. 1-df

TEETH!

☞ Extracting Without Pain ☜

Drs. Whitcomb & Dyer,

DENTISTS,

[SUCCESSORS TO W. H. IRWIN.]

No. 205 Third St., near Howard, San Francisco.

Prices of Extracting, $1; Nerves Killed, $1; Filling with gold, Platina, Artificial Bone, per cavity, $1, $2 & $3; Plate Work, Full upper or lower set, on Silver, $15 to $30; Full upper or lower, set on Vulcanite, $25 to $40; Full upper or lower, set on Gold, $50 to $75.

All Plate Work made and repaired on the best material, and at the shortest notice and warranted.

None Cheaper or better on this Coast.

☞ FORMER PATRONS GIVE US A CALL ☜

N. T. WHITCOMB, J. J. DYER.

LOCAN & CO.,

623 Clay Street,

FANCY GOODS,

EPHYR WOOLS AND TAPESTRY

MATERIALS. 1-df

Washing Machine

"ECONOMY."

On Exhibition and for sale at the Mechanics' Institute Fair, and at

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Bound Copies for Sale.—Bound copies of Volume III, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

H. H. BANCROFT & CO.,

Booksellers & Stationers,

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HAVE now in Store a very large Stock of SCIENTIFIC BOOKS, Mechanics, Engineering, Mineralogy, Surveying, Architecture, Masonic, Metallurgy, Navigation, Conchology, Natural History, Hydraulics, &c., &c. 1-df

J. T. BOWERS,

No. 131 Montgomery St., Opposite the Occidental Hotel,

DEALER IN

HALLETT, DAVIS & CO.'S PIANOS,

(Who have received Premiums for 20 years past)

MELODEONS, CABINET ORGANS, &c., &c.

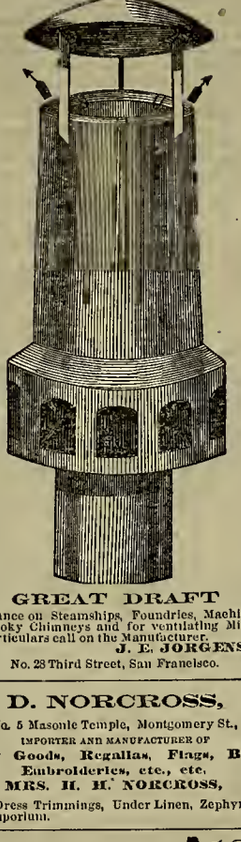
At Wholesale Prices.

10 Second Hand Pianos for sale.

B. A. HENRICKSEN'S

Patent Chimney Top.

This useful invention is confidently recommended in all cases where it is desirable to create a



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As for instance on Steamships, Foundries, Machine Shops and for Smoky Chimneys and for ventilating Mines. For further particulars call on the Manufacturer.

J. E. JORGENSEN,

No. 23 Third Street, San Francisco. 11

D. NORCROSS,

No. 5 Masonic Temple, Montgomery St.,

IMPORTER AND MANUFACTURER OF

Military Goods, Regalias, Flags, Banners Embroideries, etc., etc.

MRS. H. D. NORCROSS,

Ladies' Dress Trimmings, Under Linen, Zephyr and Fur nishing Emporium. 1-df

1852. 1864.

TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1852.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

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THE GOLDEN ERA, One Year.....Four Dollars
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BROOKS & LAWRENCE,
GOLDEN ERA BUILDING,
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Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects or government that discriminate against the inhabitants of the United States.

To the foregoing official fee must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report to you as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting like case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimensions; it should be neatly made, of wood, iron or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct when or how any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

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REFERENCES.

Prof. J. D. Whitney, State Geologist; Alsop & Co.; Sather & Co.; John Parrott, San Francisco. D. O. Mills, Sacramento.

RICHARD WEGENER,

Accountant, Mining Secretary,

AND GENERAL AGENT.

No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

Owen's River Canal Company.

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Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

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R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPEIR RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
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Office of the Company 328 Montgomery Street. jltf

POSTPONEMENT.—The above sale is postponed until Saturday November 5th, 1864. 11

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Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,

Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

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Office of the Company, Room 23 Government Building corner of Sansome and Washington streets, San Francisco

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JOHN J. HUCKS.....San Francisco
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19-3m

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $5.50. No. 1. $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.
5-tf

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

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San Francisco, Oct. 13, 1863. j2tf

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CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

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THERE is nothing equal, in the way of a plaster, to the Porous Plaster of Mr. ALLCOCK. Everything is pleasant about them. They are the plaster of the day, and a fit type of our present advancement in science and art. In Asthma, Cough, Kidney Affections, and local deep-seated pains, they afford permanent relief.

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Sold by all druggists.

Mining Notices.

Advertised in Previous Issues.

Astor Gold and Silver Mining Company, No. 436 Jackson St., City and County of San Francisco, State of California, Cold Hill Mining District, county of Story and Territory of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 19th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John V A Lansing	25 27-25 ea	75	$75
D Elloff	28	25	25
J F Cornwall	43	25	25
J F Cornwall	85	20	20
E C Lovell	63	5	5
Mrs L T Lunt	70	7	7
L Joseph	73	10	10
S Lowenburg	78	10	10
R F Barton	89	10	10
R F Barton	108	25	25
Miss Carrie Smith	81	5	5
Augustus F Hay	82	4	4
B F Swan	87 88 10 ea	20	20
Harmon Rankin	92	10	10
Thos Drum	93	6	0
Thos Drum	97	5	5

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of August, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on Saturday the the 24th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD C. LOVELL, Secretary,
11 Office, No. 436 Jackson Street.

Aspinwall Gold and Silver Mining Company, Amador District, Lander County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt. Certificates No. 71, 72, 73, 74, 75, 76 and 77, stand ing in the name of W. D. Mathenay.

11 JOSEPH HEALY, Secretary.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Location, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees

B. C. AUSTIN, Secretary.
Office, 324 Clay street, San Francisco. 11-4

Crown Point Ravine Gold and Silver Mining Company, Cold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco, Cal.

Notice is hereby given that in accordance with the laws of the State of California, and an order duly made by the Board of Trustees of the Crown Point Ravine Gold and Silver Mining Company, there will be sold at Public Auction, at the salesroom of Messrs. Jerome Rice & Co., 327 Montgomery Street, San Francisco on Saturday, September 24th, 1864, at 12 o'clock M., to the highest bidder for cash, in United States Gold coin, so many shares of the capital stock of said company, standing in the names of the following persons as will be necessary for the payment of assessment No. 8, of one dollar per share, duly levied thereon by the said Board of Trustees, on the 25th day of July, 1864, together with costs of advertising and expenses of sale, unless said assessments and charges are previously paid.

Names.	No. Certificate.	No. Shares.	Amount.
E D Brown	280	25	$25 00
E H Bishop	233	10-12	85
M W Bailey	172 174 176	4 2-12 ea	12 50
Isaac Brewer	03	45	42 00
Mrs M E Carson	95	12 6-12	12 50
D W Carter	425	5	5 00
A E Crane	55	5	5 00
D Corson,	89	12 0-12	12 50
T R Diehl	36 to51	4 2-12 ea	62 41
A J Downer		8 3-12	8 25
Jennie M Downer,	1	1	1 00
Thomas Eager	281	25	25 00
Levi Hermanco	145	1 8-12	1 67
D M Hyde	01	4 2-12	4 17
Wm M Harper	415	2 6-12	2 50
John Linus	197 198 199	4 2-12 ea	12 50
David C Lee	80	6	6 00
Isaac Livingrton	6	39	5 00
Isaac Livingston	2	40	2 00
D Lachman 75 76 77 78 79		10 ea	50 00
D Lachman	80	8	8 00
D Lachman 81 82 83 84		5	20 00
S H Marlette	30	8	8 00
S H Marlette	31	7	7 00
R H Newton, 7 8 0 10 55 94		5 en	30 00
M O'Brien	34	2	2 00
T B Prince	282	50	50 00
Chas Parrott	19	6 3-12	6 25
T H Pinkerton	32 33	15 ea	30 00
Joseph Reed	6	3	4 00
M L Robinson	357	7 5-12	7 50
Joseph B Richardson	83	5	5 00
L Simon	332	10	10 00
Geo Stoddard	389	4 2-12	4 17
Geo Stoddard	300 391 392	4 ea	12 00
Mrs A T Swain	3	1	1 00
Isaac Swain	40	16	16 00
A S Stacy	71	6	6 00
Samuel Smith	91	9	9 00
Isaac Tabor	52	20	20 00
Isaac Tabor		43	43 00
P Q Vroom	24	10	10 00
J P Van Hagen	73	3	3 00
W W Van Vleet	92	5	5 00
J A Wright	90	15	15 00
Martin White		50	50 00

By order of the Board of Trustees.

11 J. M. BUFFINGTON, Secretary.

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of August, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 29th day of August, 1864, in United States Coin, to the Secretary, at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday the 1st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBBINS, Secretary.
Office, 302 Montgomery street, San Francisco, Cal. [9-4t

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 7th day of September, 1864, an assessment of thirty cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 10th day of October, 1864, will be advertised on the 15th as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary
Office, 204 Front Street. San Francisco, Cal., Sept. 8, 1864
11-5t

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicant, for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

Evoca Consolidated Copper Mining Company, Court Hill or Evoca District, near Black's Ferry, Del Norte County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment of 25 cents per share was levied upon the assessable capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 537 Washington street, City and County of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 24th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. CHARLES E. ABBOT, Secretary.

Office, 537 Washington street. San Francisco, California, September 10, 1864. 11-4t

Eagle Quartz Mining Company, Location, Amador County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 22d day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N Blackstone	22	50	$100
J W Dwinelle	123	55	110
C J Haunett	23	10	20
S Hauford	73	10	20
S Hanford	74	10	20
R R Maurice	122	53	126
P Robinson	3	200	400
P Robinson	107	200	438
Eli Schell	50	20	40
Eli Schell	71	15	30
J L Tharber	41	5	10
R Williams	balance 7	50	50
Mrs S H Young	9	25	50

And in accordance with law, and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery Street, on Monday, the 26th day of September, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale

G. PARDOW, Secretary.
11 Office, 702 Washington Street, San Francisco.

Fairview Copper Mining Company, Gopher District, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 3d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J S Owens	7	10	$4 00
J S Owens	10	10	4 00
J S Owens	14	10	4 00
J S Owens	19	10	4 00
J S Owens	20	10	4 00
J S Owens	22	10	4 00
J S Owens	24	20	8 00
J S Owens	25	20	8 00
J S Owens	26	20	8 00
J S Owens	27	20	8 00
J S Owens	30	50	20 00
J S Owens	00	3	1 20
W W Lee	47	6	2 00
B W Owens	31	75	30 00
J M Williams	37	100	40 00
J M Williams	38	50	20 00
J M Williams	39	50	20 00
J M Williams	40	25	10 00
J M Williams	41	25	10 00
J M Williams	42	17	0 80
A H Parks	44	15	6 00
I I Brooke	48	25	10 00
I I Brooke	49	25	10 00
I I Brooke	53	20	8 00
I I Brooke	54	10	4 00
I I Brooke	55	10	4 00
I I Brooke	56	10	4 00
I I Brooke	57	10	4 00
I I Brooke	59	100	40 00
I I Brooke	91	10	4 00
Alf Shaw	73	20	8 00
Alf Shaw	74	20	8 00
Alf Shaw	75	20	8 00
Alf Shaw	77	20	8 00
Alf Shaw	78	10	4 00
Alf Shaw	79	10	4 00
Alf Shaw	80	10	4 00
Alf Shaw	81	10	4 00
Alf Shaw	83	3	1 20
Herman Donner	88	50	20 00
H M Beers	118	10	4 00
Henry Donner	102	50	20 00
J E Graves & Bros	108	50	20 00
J E Graves & Bros	120	77	30 80
Wm Leckey	113	25	10 00
L Osenbrook	119	10	4 00
James Glass	121	10	4 00
H M Owens	122	20	8 00
S B Serrington	123	25	10 00
Thos H Hutchinson	124	10	4 00
James Ritchie	131	200	80 00

And in accordance with law, and an order of the Board of Trustees made on the 15th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the Company, on the 1st day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. WILMOT, Secretary.
Office, No. 537 Washington street. 12-4t

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 30th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
M. E. Goldsmith	balance 43	150	$75 00
Page Cutting	44	150	75 00
Page Cutting	45	150	75 00
F. M. Hooper	51	50	25 00
F. M. Hooper	69	25	12 50
F. M. Hooper	70	50	25 00
F. M. Hooper	72	13	6 50
Isaac Ayer	67	15	7 50
Isaac Ayer	68	15	7 50
Isaac Ayer	70	50	25 00
Treasurers Fund		140	70 00

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 26th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

HUGO DRESCHFELD, Secretary,
Office, 14 Naglee's Building, S. W. Corner Merchant and Montgomery St., San Francisco. 11

...herundora Silver Mining Company, San An-
...nio District, Lower California.

...tice.—There is delinquent upon the following describ-
...stock, on account of Assessment levied on the 1st day of
...gust, 1864, the several amounts set opposite the names of
...respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
...u Brazer	27 41 42-ea 5		
	40 43 44 90-ea 10		
	45-25 shs		
	51—0 shs	110	$110 00
...Bellеman	100	30	30 00
...er Brown	309	17	17 00
...l Bowring	119	30	30 00
...Farnsworth	320	13	13 00
...Grimes	104	10	10 00
...N Humphreys	196	55	55 00
...t Hawley	209 270-ea 25	50	50 00
...mas Hill	283	5	5 00
...ns & McAbee	281	40	40 00
...H Jordan	286 287-ea 25	50	50 00
...H Knapp	70 71 98-ea 10		
	73 76-ea 15		
	74-20 shs		
	77-25 shs	105	105 00
...Kilbain	235 236-ea 10		
	237 238 239 240 241 242-ea 5	50	50 00
...E Mayhew	111	20	20 00
...F Notte	245	20	20 00
...W Sprague	78 79-ea 60	120	120 00
...W Smith	325	50	50 00

...And in accordance with law, and nu order of the Board of ...stees, made on the 1st day of August, 1864, so many ...res of each parcel of said stock as may be necessary, ...ll be sold, at the salesroom of Jerome Rice & Co., No. 327 ...ontgomery street, San Francisco, on the 11th day of Sep...mber, 1864, at the hour of 12 o'clock M., of said day, to pay ...d delinquent assessment thereon, together with costs of ...vertising and expenses of the sale.

C. W. HAYDEN, Secretary.

...ffice, No. 625 Clay Street, San Francisco. 10

...ual Hope Gold and Silver Mining Company,
...Alpine District, Alpine County.

...Notice is hereby given, that at a meeting of the Board of ...ustees of said Company, held on the 12th day of Septem...r, 1864, an Assessment of 25 cents per share was levied up...the Capital Stock of said Company, payable on the 3d ...y of October, 1864, in United States gold coin to the Secre...y, at his office, or to H. Morris, in Markleeville.

...Any stock upon which said Assessment shall remain unpaid ...Saturday, the 15th day of October, 1864, will be advertis...on that day as delinquent, and unless payment shall be ...de before, will be sold on the 29th day of October, 1864, to ...y the delinquent Assessment, together with costs of ad...rtising and expenses of the sale. By order of the Board of ...ustees.

PRESTON MORRIS, Secretary.

...ffice, No. 526 Montgomery street, San Francisco. [12-4t

...enry and Barnard Consolidated Gold,
...Silver and Copper Mining Company, Weaver District, Ar...zona Territory.

...Notice is hereby given that at a meeting of the Board of ...ustees of said Company, held on the 21st day of July, 1864, ...Assessment of ten cents per share was levied upon the ...pital stock of said Company, payable immediately, in ...ited States Gold Coin, to the Secretary.

...Any Stock upon which said Assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on ...at day as delinquent, and unless payment shall be made ...fore, will be sold on Monday, the 5th day of September, ...64, to pay the delinquent Assessment, together with costs ...advertising and expenses of the sale. By order of the ...ard of Trustees. I. M. BLOOD, President.

...EO. W. GILDERSLEEVE, Secretary.

...ffice, 607 Market street, San Francisco.

...ostponement.—The advertisement of delinquent stock on ...e above assessment, is postponed until August 27th, 1864 ...d the sale thereof is postponed until September 12th, 1864. ...order of the Board of Trustees.

...CEO. W. GILDERSLEEVE, Secretary.

...The advertisement of stock delinquent, on the above as...sment, is postponed until September 3d, 1864, and the sale ...reof is postponed until September 19th, 1864. By order ...the Board of Trustees.

...td CEO. W. GILDERSLEEVE, Secretary.

...Postponement.—The advertisement of stock delinquent on ...e above assessment is hereby further postponed until Sat...day, September 17th, 1864, and the sale thereof until Mon...y, the 26th day of September 1864. By order of the Board ...Trustees. O. W. GILDERSLEEVE, Secretary.

...Postponement.—The advertisement of stock delinquent on ...e above assessment, is hereby further postponed until ...turday, September 24th, 1864, and the sale thereof until ...onday, October 3d, 1864. By order of the Board of Trus...es. [11] G. W. GILDERSLEEVE, Secretary.

...Postponement.—The advertisement of stock delinquent on ...e above assessment is hereby postponed until Saturday, ...tober 1st, 1864, and the sale thereof is postponed until Mon...y, October 10th, 1864. By order of the Board of Trustees ...12 GEO. W. GILDERSLEEVE, Secretary.

...Postponement.—The advertisement of stock delinquent on ...e above assessment is hereby postponed until October 8th, ...64, and the sale thereof is postponed until Monday, Octo...r 17th, 1864. By order of the Board of Trustees.

...13 GEO. W. GILDERSLEEVE, Secretary.

...linois Gold and Silver Mining Company, El
...Dorado Canon, Arizona Territory.

...Notice is hereby given that at a meeting of the Board o...rustees of said Company, held on the 31st day of August, ...64, an Assessment of two dollars per share was levied ...on the Capital Stock of said Company, payable on the ...st day of August, 1864, in United States gold coin to the ...ecretary at the office of the Company No. 523 Clay street, ...an Francisco, California.

...Any stock upon which said Assessment shall remain unpaid on the 1st day of October, 1864, will be advertised on ...at day as delinquent, and unless payment shall be made ...fore, will be sold on Monday the 17th day of October, 1864, ...pay the delinquent Assessment, together with costs of ad...rtising and expenses of the sale. By order of the Board ...Trustees. B. W. MUDGE, Secretary

...Office. No. 523 Clay street, San Francisco, California, Cal...rnia. 10-4t

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...ogan Gold and Silver Mining Company,
...El Dorado Canon, Arizona Territory

...The Annual Meeting of the Logan Gold and Silver Mining ...ompany will be held at the company's office, No. 523 Clay ...reet, San Francisco, California, on Monday, September 26, ...864, at 2 o'clock P. M., for the election of Trustees, and the ...ansaction of such other business as may properly come ...efore it. (10-4t) B. W. MUDGE, Secretary.

Mosquito Quartz Mining Company, Mosquito Gulch, Calaveras County, Cal.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 10th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R R Maurice	179	8	$40
R R Maurice	180	9	45
R R Maurice	181	10	50
R R Maurice	182	0	45
R R Maurice	183	10	50
R R Maurice	184	10	50
R R Maurice	185	10	50
R R Maurice	186	45	255
Jared F Poole	balance 189	2	10
M Meyerfield	70	2	10
A Pavillior	133	1	5
A Teissiere	161	10	50
E S Goold	169	10	50
E S Goold	170	10	50
G Pardow	171	0	30
G Pardow	173	10	50

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton and Son, No. 400 Montgomery street, San Francisco, on the 26th day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

JOSIAH H. APPLEGATE, Secretary.

11 Office, 702 Washington Street, San Francisco.

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment (3) of 50 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 26th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 11-4t

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Porter Gold and Silver Mining Company, Virginia City, Nevada Territory.

Notice.—There are delinquent upon the following described Stock on account of Assessments levied on the 23d day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Buzzoleni, D	51	5	$25
Buzzoleni, D	52	5	25
Cole, Delos	1	10	50
Cole, Delos	2	10	50
Cole, Delos	4	10	50
Cole, Delos	5	10	50
Cole, Delos	0	10	50
Cole, Delos	7	20	100
Cole, Delos	0	20	100
Cole, Delos	10	20	100
Cole, Delos	11	20	100
Cole, Delos	12	20	100
Cone, W H	100	20	100
Moore, J A	97	10	50
Marston, P F	98	10	50
Marston, P F	00	20	100
McGown, Leo	84	10	50
McGown, Leo	85	10	50
McGown, Leo	86	10	50
Noyes, J W	33	25	125
Noyes, J W	24	25	125
Noyes, J W	25	25	125
Noyes, J W	26	25	125
Noyes, J W	40	20	100
Page, R C	44	13 1-3	66 65
Page, R C	45	13 1-3	66 57
Page, R C	46	13 1-3	56 67
Smith, R F	01	12 1-2	52 50
Smith, R F	02	12 1-2	52 50
Stanchfield, L G	55	10	50
Stanchfield, L G	50	10	50
Stanchfield, L G	57	5	25
Stevens, T H	87	5	25
Watkins, B F	18	10	50
Watkins, B F	23	20	100
Watkins, B F	24	20	100
Watkins, B F	25	20	100
		535	$2675

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 10th day of September, 1864, at the hour of 12 o'clock, M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. J. TREADWELL, Sec'y.

9-2t Office, 532 Merchant Street.

Postponement.—The above sale is postponed until Saturday, September 17th, 1864, at the same hour and place. By order of the Board of Trustees.

J. J. TREADWELL, Secretary.

San Francisco, Sept. 10, 1864.

Postponement.—The above sale is postponed until Saturday, September 24th, 1864, at the same place and hour. By order of the Board of Trustees.

12 J. J. TREADWELL, Secretary.

Postponement.—The above sale is postponed until Saturday, October 1st, 1864, at the same hour and place. By order of the Board of Trustees.

13 J. J. TREADWELL, Secretary.

Providence Gold and Silver Mining Company, Works at Nevada County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 16th day of September, 1864, an assessment of one ($1) dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at his office, No. 8 and 10 Government House, Corner of Washington and Sansome Streets, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the Twenty-Second day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, November 5th, 1864, at 12 o'clock M. to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

12 J. M. BUFFINGTON, Secretary.

Our Circulation.—The Mining and Scientific Press has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

Penn Silver Mining Company, Location of Mine, Triune District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1 3	$100
Wm Faulkner		13 1 3	40
J H Welch	150	20 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parruton	11	16 2 3	50
A R Wheat	14	16 2-3	50
G W Botts	142	8 1-3	25
R C Jacobs	82, 137	39 1-3	119
J J Corrigan	153	31	93
J F Borland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Philips	54, 55, 6 66		
	67, 68	33 1-3	100
J C Eldridge	147	8	24
H C Wheeler	30	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
David Ross	80	9 2-3	29
Edgar Wakeman	84	8 1 3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1 2	10
Gilbert Paluche	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1 3	7
P Van Felt	104, 145	14	42
K S Cressy	110	8	24
Geo A Moore	111	3	0
D S Lord	00, 197	32	96
John Todd	105, 144	8 2-3	25
E G Mathews	132, 172	3	0
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	0
O F Tibbetts	130	8 1 3	25
S C Peck	128	4 1 6	12 50
Wm Crocker	87	8 1-3	25
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tibbet	129	4 1-0	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
John Todd	158	2	0
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	0
H K Curtiss	171	2	0
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Postponement.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

Rose Linda Mining and Manufacturing Company, Mokelumne Mining District, Alpine co., California.

Notice is hereby given, that at a meeting of the Board of Trustees of the above company, held on the 30th day of August, 1864, an assessment of sixty (60) cents per share was levied upon the capital stock of said Company, payable immediately, in United States Coin, to the Secretary at the office of the company, No. 522 Clay street, Room No. 3.

Any stock upon which said assessment shall remain unpaid on the 30th day of September 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. HENRY HALE, Secretary.

San Francisco, August, 30, 1864. 10

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 26th day of August, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 29th day of August, 1864, in United States coin, to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 1st day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 15th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. L. BIBRINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [9-4t

"Refugio," U. S. Grant, Lucrecia Borgia, and La Mejicana Copper, Gold and Silver Mining Companies. Location—Clayton Mining District, Contra Costa County, California

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 8th day of September, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said companies, payable on the 8th day of September, 1864, in United States gold and silver coin, to the Secretary, at the offices of the Companies, No. 708 Montgomery street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 12th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 31st day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco. [11-4t

Scottie Gold and Silver Mining Company, La Paz Mining District, Arizona Territory.

The Annual Meeting of the stockholders of this company will be held at the Company's office, No. 523 Clay street, San Francisco, on Tuesday, September 27th, 1864, for the election of Trustees, and the transaction of such other business as may properly come before it.

10-4t B. W. MUDGE, Secretary.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the Mining and Scientific Press. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of August, 1864, an assessment (No. 8) of twelve and a half (12½) cents per share was levied upon the capital stock of said company payable immediately, to the Secretary at his office, No. 338 Montgomery street, San Francisco, in United States gold coin.

Any stock upon which said assessment shall remain unpaid on the 26th day of September, 1864, will be advertised as delinquent, and unless payment shall be made before, will be sold on the 10th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

J. A. RAWSON, Secretary.

Office, No. 338 Montgomery street, August 24, 1864. [9-4t

St. Paul Gold and Silver Mining Company, Amador District, Lander County N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 11-4

Salinas Gold and Silver Mining Company, Salinas, Monterey County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of September, 1864, an Assessment of twenty (20) cents per share was levied upon the Capital Stock of said Company, payable on the 12th day of September, 1864, in United States gold and silver coin to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. S. JOSSELYN, Secretary.

Office, Room No. 27 Government House, corner Sansome and Washington streets, San Francisco. 12-4t

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Tallulah Mining Company, Sierra District, Humboldt County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 6th day of June, 1864, an assessment of $15 per share was levied upon the Capital Stock of said Company, payable immediately then, in United States gold coin, to the Secretary, at the office of the Company, No. 623 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 1st day of Nov, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. A. HILL, Secretary,

Office, No. 623 Montgomery Street, San Francisco, Cal. 12

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessment levied on the 15th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Rotch Aogier	242	10	$5 00
J P Bell	59	12	5 00
H T Booraem	6 7 8-ea 25	75	37 50
H T Booraem	0	12	6 00
H T Booraem	10	10	5 00
A E Burr	222	22	11 00
W F Barnes	245	87	43 50
Josiah Coulter	80	10	5 00
E Franklin	4	12	6 00
J W Fox	03	8	4 00
J M Fulton	217	5	2 50
S A Fisher	220	100	50 00
E Graham	235	2	1 00
J T Hinds	146	10	5 00
J T Hinds	104	15	7 50
J H Hall	156	10	5 00
Mary G Hall	208	5	2 50
J A Hunt	226	10	5 00
G H Johnson	25	10	5 00
A P Johnson	224	5	2 50
B R Johnson	234	40	20 00
W H Knapp	91	12	6 00
Eben Johnson	239	10	5 00
W S Lyons	180	5	2 50
W S Lyons	187	7	3 50
W H Lentz	109	2	1 00
W H Lentz	225	3	1 50
S H Leland	219	97	48 50
F E Nourse	244	20	10 00
Wm Osborn	51 53-ea 25	50	25 00
John Potter	241	10	5 00
J G Perkins	147	10	5 00
H C Partridge	124	10	5 00
J C Read	10 17 18-ea 25	75	37 50
J G Read	19	12	6 00
A Toruing	190	10	5 00
H Regensburger	228 230-ea 10	20	10 00
H Regensburger	229	5	2 50
H Regensburger	231	15	7 50
H Regensburger	232	50	25 00
H Regensburger	233	2	1 00
C A Tomlinson	198	5	2 50
C A Tomlinson	220	10	5 00
A F Tilden	243	30	15 00
J M Vizini	227	10	5 00
C Wood	190	5	2 50
D Wredo	142	5	2 50
Mrs Sarah Winters	240	5	2 50
S J Waters	121	20	10 00
S J Waters	165	12	6 00

And in accordance with law, and an order of the Board of Trustees, made on the 15th day of August 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 3d day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

M. C. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 12

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

New This Week.

Dane Gold and Silver Mining Company, Esmeralda.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment No. 5, levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Shares.	Amount.
John S. Mayhugh	87	$87
D C Crocker	5	5
W F Atwood	208	208
Jesse Richardson	10	10
James Hitchens	15	15
Jas H Dearing	75	75
M L Citron	10	10
F J Barber	10	10
Adam Ross	10	10
Mrs H C Bull	5	5
W H Forbes	10	10
Jas J Robbins	128	128
W H Hamden	10	10
Larkin Smith	45	45

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at auction, at the office of the Company, No. 623 Montgomery street, on the 20th day of August 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. EDWARD CONNER, Secretary.

Office. 623 Montgomery street.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, August 30th, 1864, at the same hour and place. By order of the Board of Trustees.

7 EDWARD CONNOR, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, the 1st day of October, at the same place and hour. By order of the Trustees.

13 EDWARD CONNER, Secretary.

Fortune Mining Company, Mineral Springs' District, Calaveras County, Cal,

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 22d day of September 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 9th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.

Office, No. 622 Clay street, San Francisco. 13 4t.

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Peter Brown	31	50	$25 00
Peter Brown	34 35-ea 25	50	25 00
Peter Brown	36	10	5 00
W J Bell	48	25	12 50
W J Bell	49	15	7 50
W J Bell	50	10	5 00
James Bateman	93	5	2 50
Fred Bruer	117	25	12 50
John Carmichael	16	25	12 50
John Carmichael	17	25	12 50
Isabella Drysdale	96	10	5 00
Isabella Drysdale	97	15	7 50
John Forbes	120	15	7 50
John Forbes	121	10	5 00
John Forbes	139	50	25 00
Bernard Galon	89	10	5 00
Bernard Galen	90	10	5 00
Henry Goldswait	125	10	5 00
Henry Goldswait	1-6	15	7 50
David Hunter	114	25	12 50
C N Huyck	129	10	5 00
C E B Howe	133	5	2 50
Geo Harwood	140	50	25 00
Frank Kruger	118	15	7 50
Frank Kruger	119	10	5 00
David Lovo	74	10	5 00
Daniel M Lovo	75	10	5 00
Alexander Laivol	30	25	12 50
John McMann	1	10	5 00
John McMann	2	10	5 00
William Muir	122	10	5 00
William Muir	123	10	5 00
William Muir	124	5	2 50
John Pattio	44	25	12 50
John Pattie	45	25	12 50
John Pattie 76 77 78 79	80-ea 10	50	25 00
Edward Phelps	92	5	2 50
Richard Schwies	55	20	10 00
Chas Stott	113	25	12 50
Chas Stott 134 135 136 137	138-ea 10	50	25 00
Alex Stott	115	25	12 50
Robt Stott	116	25	12 50
Otto Trilling	24	15	7 50
Otto Trilling	25	10	5 00
Wm Trottman	24	15	7 50
Wm Trottman	29	10	5 00
Peter Taylor	127	10	5 00
Peter Taylor	128	10	5 00
Alex Vesey	109	5	2 50
George Woodhead	91	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay street, San Francisco. 13

Simpson & Bosselle Mining Company—Mines Located in Carson Valley Mining District

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment of 30 cents per share was levied upon the Capital Stock of said Company, payable on the 26th day of September, 1864, in United States gold coin, to the Secretary, at his office, or to DR. J. W. WATKINS, at Markleeville, Alpine County, California.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [13-4t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Beldeman	54	25	$62 50
Charles J Mosely	16	25	62 50
Wm C Root	48	25	62 50

And in accordance with law and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 623 Montgomery street, San Francisco; on the 8th day of October, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 13

Seneca, Sotoyome and Lily of the West, Gold and Silver Mining Companies, Esmeralda Mining District.

NOTICE.—There are delinquent upon the following described stock, on account of assessments levied on the 10th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

"SENECA" GOLD & SILVER MINING COMPANY.

[ASSESSMENT 10 CTS. PER SHARE.]

Names.	No. Certificate.	No. Shares.	Amount.
T H Henderson	95	50	$5 00
H C Wilhoit	101 102-ea 10	20	2 00
H C Wilhoit	stock not issued	22	2 20
P G Ryel	97	5	50
T A Cook (deceased)	not issued	167	16 70
E H Shaw	32	10	1 00
E H Sbaw	34	5	50
W B Reynolds	43	12	1 20
W B Reynolds	61	2	20
W B Reynolds	93	4	40
J W Cook	40	10	1 00
J W Cook	94	20	2 00
J W Cook	99	5	50
J W Cook	100	7	70
J W Cook	stock not issued	20	2 00
Bryant Forsyth	57	7	70
Bryant Forsyth	66	5	50
J A Hardin 70 71	72-ea 10	30	3 00
J A Hardin	73	9	00
D Murphy	74	5	50
John Hahn	75	5	50
E Skaggs	79 80-ea 3	6	60
E Skaggs	81	10	1 00
F Constoll	83	7	70
F Constoll	84 92-ea 10	20	2 00
F Constoll	93	7	70
D M Lawrence 86 87	88-ea 25	75	7 50
Timothy Hazletine 89 90	91-ea 25	75	7 50
John Johnson 5	12-ea 8	16	1 60
John Johnson	65	34	3 40
F M Clarke	20	3	30
F M Clarke 21	22-ea 5	10	1 00
F M Clarke 23	24-ea 10	20	2 00
E W Linsley 25	26-ea 10	20	2 00
E W Linsley	27	5	50
S E Briggs	35	3	30
T L Bibbins	30	8	80
T L Bibbins	58	3	30
T L Bibbins	59	5	50
T L Bibbins	63	5	50
T L Bibbins 50	67-ea 20	40	4 00
T L Bibbins	68	10	1 00
S W Cory	42	5	50
J W Jones	51	5	50

SOTOYOME GOLD & SILVER MINING COMPANY,

[ASSESSMENT 5 CTS. PER SHARE.]

Names.	No. Certificates.	No. Shares.	Amount
W S Stanley	5 6-ea 10	20	$1 00
W S Stanley	7	5	25
W S Stanley	10 11-ea 25	50	2 50
W S Stanley	7	5	25
R M Lawrence	20	10	50
W B Reynolds	20	17	85
W B Reynolds 29 30	46-ea 10	30	1 50
W B Reynolds	28	20	1 00
W B Reynolds	47	5	25
W B Reynolds	48	15	75
W B Reynolds	49	3	15
T L Bibbins 32	36-ea 10	20	1 00
T L Bibbins	37	5	25
J W Cook 52 77 78	79-ea 10	40	2 00
J W Cook	stock not issued	100	5 00
J W Cook	76	20	1 00
J W Cook	80	8	40
J W Cook 81 82 83	84-ea 5	20	1 00
H C Wilhoit	86 87-ea 10	20	1 00
H C Wilhoit	stock not issued	80	4 00
S E Briggs	38	3	15
John Johnson	41	60	2 00
S W Cory	43	5	25
J W Jones	56	5	25
Bryant Forsyth 60	61-ea 0	10	50
J A Hardin 67 68	69-ea 10	30	1 50
J A Hardin	70	0	45
E Skaggs	71	5	25
E Skaggs	72	10	50
M V Hooton	73	10	50
C Cauniffo	75	10	50
T H Henderson	85	50	2 50
T A Cook, deceased, st'k not iss'		212	10 60

LILY OF THE WEST, GOLD & SILVER MINING COMPANY,

[ASSESSMENT OF 5 CTS. PER SHARE]

Names.	No. Certificate.	No. Shares.	Amount
W S Stanley	12	10	50
W S Stanley	13	9	45
E H Sbaw	28	10	50
S E Briggs	29	3	15
F Sampson	34	1	05
G Hopper	35	1	05
S W Cory	40	10	50
Jno McNamara	41	3	15
J W Joues	52	5	25
Bryant Forcyth 58	59-ea 5	10	50
B Ellis	64	10	50
Jobu Johnson	67	50	2 50
J A Hardin 68 09	70-ea 10	20	1 50
J A Hardin	71	9	45
J J May	72	5	25
E Skaggs	75	10	50
E Skaggs	74	5	25
C Cauniffo	77	5	25
Wm Patten	78	10	50
C C Blake	83	5	25
W B Reynolds	42	8	40
W B Reynolds	43	7	35
W B Reynolds	47	10	50
W B Reynolds	00	6	30
Wm O McCormick	79	11	55
T H Henderson	84	50	2 50
H C Wilboit 86	87-ea 10	20	1 00
H C Wilhoit	stock not issued	24	1 20
T A Cook (deceased) st'k not iss		168	8 40

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Monday the 3d day of October 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

13 Office 302 Montgomery Street, San Francisco.

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 24th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
Geo Wall	441	25	$1 25
Geo Wall	442	25	1 25
Walter Cerieber	460	50	2 50
J Cerf	42	25	1 25
J Cerf	43	25	1 25
J Cerf	47	50	2 50
A W Hobbs	63	25	1 25
A W Hobbs	133	25	1 25
C S Hobbs	62	25	1 25
Carleton Hobbs	60	100	5 00
G H Nagle	7	50	2 50
E Stratton part	113	10	50
E Strattou	114	20	1 00
J H Yurney	120	200	10 00
I S Leyford	176	25	1 25
I S Leyford	177	25	1 25
Chas Perry	182	25	5 00
N R Lowell	170	100	5 00
N R Lowell	171	100	5 00
H E M Backus	102	50	2 50
L E Morgan	424	25	1 25
L E Morgan	468	200	10 00
Daniel Winter	186 187-ea 50	100	5 00
Daniel Winter	188 189-ea 25	50	2 50
Daniel Winter	190	25	1 25
Daniel Winter	191	25	1 25
Geo Coffran	192	25	1 25
Geo Coffran	198	50	2 50
Geo Coffran	225	15	75
Geo Coffran	226	10	50
Geo Coffran not issued		75	3 75
E A Atwood	201	10	50
E A Atwood	202	10	50
E A Atwood	381	50	2 50
A A Sandford	427	95	4 75
Thos Day	204	100	5 00
E E Walker	309	80	4 00
E E Walkor	370	50	2 50
E E Walker	371	50	2 50
Miss A McGeo	247	10	50
Geo F Russell	246	40	2 00
J S Fillron	272	100	5 00
A T Hinchman	285	50	2 50
A Farral	300	20	1 00
G Burgess	310	20	1 00
G Burgess	317	30	1 50
A Linderman	319	50	2 50
A Linderman	320	25	1 25
A Linderman	450	25	1 25
A W Stratton	350	100	5 00
A W Stratton	351	100	5 00
I M Blood	357	15	75
G W Fairchild	385	5	25
J De Groff	365	10	50
J Widber	360	25	1 25
G W Morgan	368	100	5 00
John Scotchler	372	10	50
Benj Cox	375	10	50
J B Reinhart	384	25	1 25
G M Wood	393	4	20
G M Smitb	414	25	1 25
J G Tilton	433	25	1 25
Geo Walcom	448	35	1 75
J P Jenkins	463	50	2 50

And in accordance with law and an order of the Board of Trustees, made on the 24th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 8th day of October, 1864, at the honrof 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. B. WINEOAR, Secretary.

Office, 322 Front street. San Francisco. 13

New Era Copper Mining Company, Tuolumne County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
H Bigelow	7 8 9	60	$30 00
H Burgess	26 27 28	75	50 25
C D Rearick	131	38	10 00
W J Conoliy	64	5	2 50
T S Myrick	66	75	37 50
D T Brown	68	150	37 50
N S Palmer	79	19	9 50
R Norton	82 86	17	8 50
P F Butler	87	3	1 50
T E Taylor	89	75	10 00
S W Churchill	95	10	5 00
A B Caso	96	75	37 50
C B Miles	104	17	8 50
A Harkness	105 110	25	12 50
Geo H Burgoss	109 111 112	65	32 50
T J Higgins	114	20	10 00
Jos Clement	13 15 76	75	75 00
D Norcross		65	150 00

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the Auction Room of Messrs. Cobb & Shiton, No. 406 Montgomery St., San Francisco, on Monday the 10th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 13

Citizens' Coal Mining Company, Mount Diablo District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described Stock, on account of Assessment levied on the 20th day of August, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
H Rothschild	37	2	$10 00
Ad Winterberg	33	5	25 00
Francis Wortb	34	3	15 09
P Stemmler	14	2	10 00
P Stemmler	15	1	5 00
P Stemmler	39	1	5 00
M Waizmann	101	3	15 00
Wm Striby	67	1	5 00
James Wands	75	1	5 00
Johnathan Fiedler	84	1	5 00
C Merkle	90	1	5 00

And in accordance with law and an order of the Board of Trustees, made on the 20th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., (now Maurice Dore & Co.) No. 327 Montgomery street, on the 8th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

E. J. PFEIFFER, Secretary.

Office, S. W. Cornor Post and Dupont streets, San Francisco, Cal. 13

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to JOAN MOFFET, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. September 20th, 1864. 13-4t

Table Mountain Copper Mining Company, Stanislaus District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment (No. 6) of one dollar and sixty-five cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to J. M. PIKE, Superintendent, Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale.

Ordered that a deduction of Fifteen Cents per share be allowed on all payments made before September 29th, 1864. By order of the Board of Trustees.

M. G. ELMORE, Secretary

Office, No. 621 Clay street.

San Francisco, September 19th, 1864. 13-4t

VULCAN IRON WORKS CO.,

[ESTABLISHED 1850.]

No. 137 and 139 First Street.

IRON FOUNDERS, STEAM BOILER MAKERS AND

STEAM ENGINE BUILDERS.

THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Laths to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.

MACHINERY

Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.

Quartz Stampers, Shoes & Dies,

Warranted to be made of the very hardest and toughest Iron.

RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.

A Published list of the Patterns of these Works will be sent on application.

MANUFACTURERS OF

JONVAL'S TURBINE WATER WHEELS,

The Cheapest, most Perfable and Effective Machine ever Invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.

☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

A MAGNIFICENT

LITHOGRAPHIC VIEW

OF THE

Mechanics' Fair Pavilion.

PUBLISHED AND SOLD BY

DEWEY & CO.,

GEORGE H. BAKER, Artist,

At the office of the "Mechanics' Fair Daily Press," entrance nave of the Pavilion, and at the office of the Mining and Scientific Press, corner of Washington & Sansome streets.

☞ *READ WHAT OTHERS SAY OF IT.* ☜

MECHANICS' FAIR PAVILION.—We have received from Dewey & Co., Patent Agents and publishers of the SCIENTIFIC PRESS, Government House, corner of Washington and Sansome streets, a finely executed lithographic view of the Mechanics' Industrial Fair Pavilion, on Union Square. The picture is mathematically correct in proportion, and will be valuable hereafter as a souvenir of the greatest industrial exhibition ever held in our city.—"Daily Alta."

We are indebted to the publishers of the MINING AND SCIENTIFIC PRESS for a copy of a very excellent engraving they have issued of the Fair building and the Fair grounds. —CALIFORNIAN.

LITHOGRAPHED.—The Mechanics' Fair building has been pictured in good style, by George H. Baker. We acknowledge the receipt of a copy. DEWEY & Co. are the publishers.—CALL.

VIEW OF THE MECHANICS' INSTITUTE PAVILION.—MESSRS. DEWEY & Co. have published a lithographic view of this building. Size, 12 by 19 inches. The workmanship does credit to Geo. H. Baker, the Lithographer. The dimensions of the Pavilion are 375 feet in length, breadth 220 feet; dome 108 feet high and 100 feet diameter, the area being 55,000 square feet. P. J. O'Connor Esq., is the Architect. We hope the sheet will prove highly remunerative.—ARGUS.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardyngo. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, OCTOBER 1, 1864. | VOLUME IX. Number 14.

HOME FINANCES.

The condition of the money market is in no material respect different from that of last week. Some parties complain that they are unable to obtain as large a discount line with the Bank as circumstances would seem to warrant, but on the other hand we hear of many instances where money is offered to well known houses for regular legitimate business purposes, and declined for the reason that it is not wanted There is no appearance of pressure from most quarters and capital is as abundant as at any previous period during the year. Some loans upon first class city property have been made this week at 1¼@1½ ₱ cent. per month. These negotiations are entered into with less reluctance than for some time past and we think there is now plenty of money to be had upon such descriptions of security, at the rates named if the borrower is favorably known. Some little distrust still prevails in making long loans to those who do not stand well as men of character and probity in their business relations with the public.

Good Stock collaterals are in more favor with capitalists and money can be obtained from some of the Bankers upon the best and most stable shares at 1½ ₱ cent. per month.

Outside loans take as wide a range as ever and are governed solely by the character of the security offered; rates vary from 2 to 3 ₱ cent. per month.

Receipts of Treasure from the country since last Saturday exceed one million dollars, chiefly in Bullion.

Little or nothing has been done as yet in Eastern Exchange for to-day's steamer. The unsettled condition of the gold market at the East renders it difficult to fix a rate for Bills payable in currency—quotations are likely to range from 80 to 90 premium on gold. Telegraphic transfers are current at 5½ and drafts payable in coin at 3½ ₱ cent. premium.

Legal Tender Notes have been a prominent feature of the market during the week and some $400,000 have been dealt in at from 49 to 54 cents and closing in less demand at lower figures.

Reply to "Pundit."

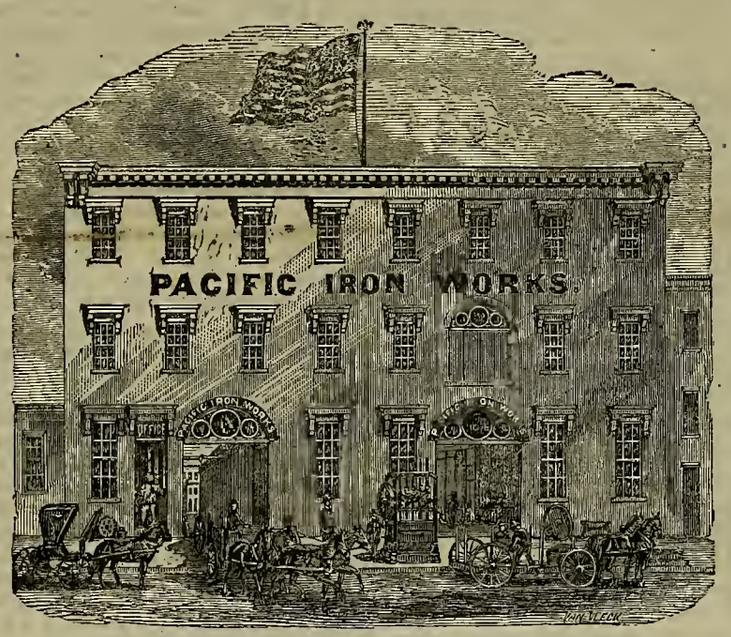
Editors Scientific Press:—Your correspondent "Pundit" persists in retaining his *nom de plume*. If he is satisfied, I am. I shall not enter into any discussion with him, although I would be much pleased to do so on equal grounds, and I flatter myself that he would be much benefitted thereby.

I owe him an explanation on one point, and then I have done. Much of his powder has been wasted by a typographical blunder in the first article, which escaped my observation for a fortnight after publication.

In describing the Primitive Rocks, the period closing the paragraph should have been put immediately after the word "rocks," and the words "or traps." which were written "of traps," should, as is selfevident, have commenced the paragraph following—thus, "Of traps, we have" etc.; for, as printed, it evidently confounds two distinct classes of rocks, and has innocently misled him. O. W. Easton.

THE PACIFIC IRON WORKS.

The most important branch of the manufacturing industry of this city, at the present time, is our Iron Foundries. No city in the Union has made such rapid strides in this branch of industry as San Francisco. Commencing from the smallest beginnings, only fourteen years ago, several of our foundries are now each consuming fully a hundred tons of pig iron per month, in addition to a proportional quantitiy of wrought iron, worked and forged into various descriptions of machinery. The peculiar necessities of our leading industry drove us into this heavy branch of manufacture at an early day and compelled us to consign the hundreds and thousands of tons of worthless machinery shipped to this city in the early days of its history, once more to the grasp of old Vulcan, to be re-forged and reformed into those more suitable shapes, which our experience early taught us were the only ones which could succeed when fairly applied to practice. It was under this extraordinary stimulus that the business was first started, and it was that which gave it such an impulse that we are now able to cope successfully with any part of the world in this speciality.



As early as the summer of 1851, we visited this city for the purpose of obtaining machinery to place upon a quartz-lead near the city of Nevada. We carefully examined a large lot of material sent out from the East by the company with which we were connected, for the purpose of putting into a quartz mill. Like the great mass of machinery so sent, we found it to be worthless, condemned it at once, and repaired to a little one story wooden building on First street, near Mission, where Messrs. Egerly & Hinckley had recently started a "foundry." The entire space occupied by the concern, building, yard and all, was hardly 100 feet square. The foundries were all asking twenty-five cents per pound for castings. By the exercise of a little persuasion we induced the proprietors to close a large contract for 18¾ cents. The institution was a most primitive affair, and the waters of the Bay came quite up to the rear of the premises.

That little establishment was the origin of the magnificent business which has since grown up to what is now known as the "Pacific Iron Works," occupying the whole of four fifty-vara lots, presenting the magnificent frontage represented in the annexed engraving, and extending back the entire block, to Fremont street, giving constant employment to from 150 to 175 hands, requiring for its monthly consumption fully 100 tons of pig-iron, in addition to the proportionate quantity of rolled and bar iron. The history of this is but the counterpart of that of five or six other foundries which were successfully established, and all in this part of the city.

It is mainly to such establishments as this that California is to-day indebted for the proud position she occupies in the great sisterhood of American States, and for her ability to erect in our midst the proud Temple of Industry, which for the past month, has been attracting thousands of pilgrims from all parts of the Pacific Coast, who come to pay a loftier tribute than any which the once proud shrine of Mecca ever drew from her votaries, even during her palmiest days.

This establishment is well known as one of the Pioneer foundry of the State, having been established in 1849. It has been the nucleus around which have clustered numerous similar establishments, and it is thus all the more fitting that from this great central source should emenate that splendid specimen of mechanical genius, which to-day is employed as the central motive power of the Pavilion, and around which, as the life giving influence, has clustered for the past month, the large and varied display of California made machinery, which the genius and enterprise of her mechanics have called into being during the last four years. One such manufactory as this does more toward enriching and building up a State, than a thousand mere traders can do, whose only business it is to serve as brokers between the manufacturer or producer and the consumer. It is to the mechanics of a country that a people is mainly indebted for its prosperity. It is to that class of the community to which we must look almost exclusively for the creation of all values. It is well then that they should have their Temples—better, though, that we should rear one of enduring marble, than of the perishable materials which to-day enshrines the results of their genius and labor.

But we are wandering from our subject. In December 1853, Messrs. Goddard & Co., purchased the interest of the original owners of this foundry, and erected a three story frame building 30x60 feet, and greatly increased the capacity of the establishment by the addition of machinery. In December 1858, another addition was made of a brick building, in the rear, in which was located the cupolas for melting. Soon after the fire which last winter destroyed a portion of the Vulcan Works, adjoining, Messrs. Goddard & Co., commenced to make additional improvements, in the midst of which Mr. Goddard, the head of the firm, was suddenly called by the Great Master above to leave the active scenes below and enter upon those for which his great goodness and large experience here, would seem to have so eminently fitted him. Since that event the improvements have gone on until the establishment is now one of the most perfect, complete and best managed of any one on the Coast. The business is still conducted under the name of the old firm.

The daily running expenses of the establishment reach about $2,000; the machinery is driven by an 80 horse-power engine. The melting capacity of the largest cupola is ten tons, there are two others, the aggregate capacity of which is ten tons, making a total of twenty. This firm has recently turned out some very heavy castings for the San Francisco Water Works, an extensive hoisting apparatus for the Hale & Norcross Company of Washoe, also a large amount of heavy work for several other leading mining companies in Nevada Territory. They are now manufacturing a large number of Varney's Amalgamating Pans, sixteen of which they have recently sent to the New York and Washoe Mining Company. They also manufacture Wheeler's pans, the Bryan Quartz Batteries, and a great variety of other machinery. They are now constructing at their boiler shop three large tubular boilers for Tubbs & Co's Rope Walk at the Potrero.

The present company is managed by Irn P. Rankin, as general Agent, A. P. Brayton, Jr. as cashier and financial manager, and A. C. Austin, formerly of the Vulcan Iron Works, as mechanical manager, who has the entire control of that department.

Unavoidable.—During the Fair we have been obliged to issue our weekly editions Saturday evening. Hereafter our friends will have their papers in good season.

The Mechanics' Fair.

From The Daily Fair Press of September 26th.]

AN INTERESTING TRIAL.

On to-morrow (Tuesday) there will be a trial at the Mechanics' Fair, between Farrand's and Varney's Amalgamators, which promises to be of infinite interest and importance to miners and those interested in mines. These two inventions are so different in form and operation, Varney's being the well known pan with revolving mullers, while Farraud's is an oscillating sort of barrel, with mullers that grind from side to side, so that the two present no similarity except that they are made for the same purpose—we have not learned whether there has been any bets made on the issue, and are inclined to believe that both the gentlemen interested are induced by a much nobler impulse in this trial than the winning of a few dollars. Each absolutely believing his machine the best, enters the list to give the world an opportunity of judging. We are informed, though not by authority, that the trial will include all the amalgamators at the Fair, and will be under the superintendence of the Committee on Mining Machinery.

It appears to us to be somewhat difficult in such a trial to thoroughly test the real merits of these pans, unless as to their grinding capabilities, because, the amalgamating process depends as much or more on the skill and experience of the operator as upon the machine itself. Nevertheless the trial of these pans on Tuesday will be interesting and instructive, and we hope will attract the attention of a large number of millmen, machinists and miners.

The Washoe.—We yesterday paid a visit to the wreck of this fine, but most unfortunate, steamer, as she lay off Rincon Point wharf. We observed that the hull, with the exception of the stern, through which one of her boilers had been thrust, is but very little damaged, though everything above the lower deck has been torn or cut away; not a particle of her beautiful saloons, state-rooms or machinery remaining; the latter, though but little injured, is scattered about the wreck in all directions; one huge boiler projecting several feet over the stern, while the lofty smokestack lies athwartships, near the bow. The deck planks have been ripped up and torn as if they had been strips of paper, while the beams over where the boilers stood have been lifted up bodily with everything above them. Thick iron bolts bent like wires, and massive timbers crushed and splintered into fragments, and heavy masses of iron work, tons in weight, lying about, attest the power of the mighty element that caused the sad disaster. There were a great many people on the wharf guzing on the wreck—to many, probably, bringing to mind the loved one lost, that perished through the same cause that destroyed one of the fastest and finest steamers ever built on the Pacific coast. We learn that it is the intention of Capt. Kidd to have the Washoe refitted and started again as soon as possible.

The California Wine Business.—Some idea of the growing importance of the California wine business may be formed by the fact that the shipments from this city to Boston, Mass., since January last, has amounted to 140,000 gallons; and there are orders yet unfilled exceeding 1,000,000 gallons. The people of the modern Athens appear to appreciate the merits of our native wines. Some of the Port exhibited at the Fair was equal to any ever shipped from Oporto, of an equal age; and we venture the opinion that within ten years from now, California will be as famous for her wines in the markets of Europe, as for her gold and silver at the present time.

Another California made locomotive has been placed on the Alameda railroad. The fare from this city to the further end of the road is but twenty-five cents—a pleasant and cheap pleasure trip.

The Monitor still continues to progress towards its completion, and to aid the Sanitary Fund by the amount of admission fees. The sum so received the past week was about $400.

Forrest's forces, 8,000 strong, are maneuvering on the Alabama and Tennessee border, 4,000 rebels having crossed the Tennessee at Bates' Landing. Athens, Ala., has surrendered to the rebels and Forrest's intention appears to be also to capture Pulaski, Franklin and Shelbyville.

Gen. Rosseau takes the field and is preparing to receive the rebels. Price is advancing to join Shelby, and threatens an invasion of Missouri. Gold in New York, on Saturday, "fell to 200 and closed at 202."

The Memphis *Bulletin* of Thursday last, reports that Mobile has surrendered to Admiral Farragut unconditionally!

Sheridan had captured so many of the rebels that it required so large a portion of his forces to guard that he applied for and has been furnished with a large reinforcement, to take charge of these prisoners, whose numbers were being hourly increased.

Two Treasury Officers have absconded from Richmond, carrying off two millions dollars' worth of confederate treasury notes.

The rebel authorities have issued an order for the enrollment of all males between the ages of 16 to 50. In many of the districts the slave owners are ordered to send one-fourth and in some cases one-half of their slaves to work on the fortifications.

The Military at the Fair.—By invitation of the managers all the officers and men under command of Gen. McDowell, in this department, have been invited to visit the Fair, during the present week as guests of the Institute. The General has named Tuesday, Wednesday and Thursday, as the days on which the military will visit the Pavilion, between the hours of one and six P. M.

The young gentlemen visitors at the Pavilion on Saturday morning were somewhat surprised, about eleven o'clock, by the sudden advance up the main entrance, of a "moving column" of handsome young ladies, carefully marshalled in pairs, but who soon "broke ranks" and scattered promiscuously throughout the building. They numbered about seventy and were the pupils of the Pacific Female Seminary, at Oakland, under charge of Mrs. Harmon and others. They were accompanied by their teachers.

Children at the Fair.—The children of the Public Schools are now visiting the Pavilion, having been invited to do so gratuitously by the management. The children of the Union Street School, to the number of about 800, visited the Fair on Thursday; those of the Mason Street School, to about the same number, were in yesterday, accompanied by a strong force of teachers. They appeared to be under particularly good discipline. The children of the Roman Catholic Orphan Asylum, also visited the Pavilion Yesterday.

You Can Depend Upon Them.—We would call the particular attention of the visitors at the Fair to the card of J. C. Mitchell & Co., Merchant Tailors, 408 Pine street. They have lately added to their establishment a hat department in charge of which is Wm. H. Mead, formerly salesman with Fisher & Co., hatters, and late of the firm of Mead & Van Tassell. We would earnestly recommend his old customers and all others in want of hats, to give him a call, knowing as we do his ability to satisfy in every particular.

Great Distress in Santa Barbara County.—It is stated on reliable authority that terrible distress exists in many parts of Santa Barbara county, in consequence of the excessive and almost continued drought which has existed there for the past two years. Nearly all the sheep and cattle have died from starvation, while the crops have almost entirely failed. Men and women are suffering for food and the children are crying for bread. The destitution is said to be appalling! We understand that an organized movement will be immediately initiated in this city, to provide prompt relief for the sufferers. The *Call* of this morning states that the managers of the Mechanics' Institute will devote the proceeds of one day's exhibition at the Pavilion in aid of this humane object.

[Tuesday, September 15th.]

Gold tumbled yesterday in N. Y. down to 190 and 180. Postmaster General Blair has resigned and Gov. Dennison, of Ohio, succeeds him. News from Mobile states that a gunboat expedition up Fish river has destroyed saw and grist mills, ship yards and lumber to the amount of $1,000,000.

A military expedition has left Vicksburg. Forrest has captured Elk River Bridge. He continues to massacre negroes found in U. S. uniform. Early was instructed by Lee to hold the Shenandoah Valley at all hazards. It is doubtful if two-thirds of his command evades Sheridan and reaches Stanton. Gen. Rosecrans has called the Missourians to arms. Business in St. Louis is suspended.

State News.—Stockton met with a destructive fire about 3 o'clock this morning. Total loss $30,000. McDonald & Co.'s bank, at Victoria, V. I., has been robbed of $30,000. The above items are from the *Bulletin*.

The Bush Street Public School, located at the corner of Bush and Taylor streets, under the charge of Mr. J. Denman, visited the Pavilion yesterday. This school numbers about 700 pupils. The little folks appear to enjoy themselves much in these visits. They will form a pleasant episode in the history of their schoolboy days and one which will never be forgotten.

The pupils of the Montgomery Street Public School, under charge of Miss Moses, as principal, assisted by Misses Parker, Cushing and Fiske, to the number of 240, also visited the Exhibition yesterday afternoon. After making the usual rounds, the school was drawn up in close order, in the rotunda, where they sang in very excellent style, several appropriate airs, after which they moved to the front of the music gallery where they were saluted by the band. The appearance of this company of juveniles—the youngest grade admitted to the public schools—was exceedingly creditable. It was the youngest, and yet the most orderly delegation which has yet appeared from any of the public schools. We particularly observed that the boys kept their heads uncovered during their visit.

More Salt Discoveries.—A Mr. Bourne, of Austin, Nevada, while on a recent exploring expedition in that Territory, at a place about 75 miles south of a mining camp known as San Antonio, and about the same distance from Walker's Lake, discovered the largest deposit of native salt found on this side the American Continent. It consists of a plain of ten miles square covered with salt, from six inches to three feet in depth. This salt plain is continuous, and is without shrub or sandhill, extending white and glistening as far as the eye can reach. One of the curiosities of this plain is that in the midst of it is a large boiling spring, of exceedingly salt water, and rising from a bed of salt apparently of its own deposit. The spring appears to have been much larger than at present, but its own deposits have so encroached upon it that it has built up a mound of that material, and reduced its aperture to about four feet in diameter. Good fresh water is found in the hills bordering the plain.

An Enormous Yield.—Mr. Hopkins of the Novelty Smelting Works, who has a portable mill and laboratory on exhibition at the Mechanics' Fair, on Friday last operated upon 92 pounds of ore from the Hope Claim, in Eagan Cañon, Nevada Territory, from which he obtained the extraordinary large quantity of 175 ounces of gold and silver! We understand that the vein of ore from which this was taken is three feet wide. If it is all of a character such as that operated upon, the owners of this claim have one of the richest things in the country.

An Interesting Sight.—One of the most interesting sights at the Fair is the blind boy, Abliuo Lawrence, who makes baskets, bags and other articles of bead work of elegant patterns and beautiful designs, with wire, silk and beads of various colors, entirely by the sense of feeling, he being entirely blind.

Dolbeer's Calculator.—This valuable instrument, the invention of Mr. John Dolbeer, 36 Stewart street, in this city, is one of the most perfect and valuable calculators ever introduced. Simple in its form, trifling in its cost, it seems impossible that it can get out of order unless through absolute abuse. The entire instrument consists in a dial about six inches in diameter, around which are circles of figures, which, by means of three indices or pointers, show the numbers, from units to hundreds of thousands, by fixing the unit index to any given number, and turning a small crank attached to some racket work behind the dial, calculates with unerring exactitude any quantity of any article to be estimated, without the necessity of making a figure or any effort of the mind. To lumber merchants, grain and vegetable dealers, and wholesale merchants generally, these calculators will be found of great advantage in the transacting their business. Those wishing to examine their operation will find them on exhibition at the Mechanics' Fair. These instruments are manufactured by Theodoro Kullenberg, Market street, below Sansome. For further information enquire of John Dolbeer, 36 Stewart street, who has them for sale.

California Raisins.—Mr. Bughey, of Folsom, Sacramento county, on Saturday last entered at the Fair a couple of boxes of California Raisins, of astonishing beauty. These were made from the "Fibersagos" grape; a variety which appears, judging from the sample before us, to be remarkably well adapted for the purpose. These raisins, in color, size and general appearance, are precisely like the best imported "Malaga." We are informed that Mr. Bughey intends to make a business of raising these grapes for raisins. The present lot is a sample of 6,000 pounds cured the present season; but, as that gentleman has some 40,000 vines in bearing, of the same variety, he calculates to make nearly twenty tons next season. If he could make treble that quantity they would sell readily, we are certain, as fruit of such a quality would command the market anywhere. We congratulate Mr. Bughey on his success as the pioneer raisin grower of the Pacific; for we believe he is the first that has made a business of raising raisins, though there are a great many others who have made experiments in the business.

Blank Books, Stationery.—The exhibition of articles in this line at the Pavilion of the Mechanics' Fair, by Geo. B. Hitchcock & Co., 413 and 415 Sansome street, is most complete and interesting. The samples of blank books, in particular, are worth the notice of incorporated companies, banks, and the mercantile community generally. In this branch of their business, this firm offers great inducements in point of excellence and price; while their stock of papers, envelopes, cutlery, inks, etc., is unequalled by any firm in the city. Their prices and terms are peculiarly advantageous to the trade. We therefore take pleasure in recommending our friends to patronize the establishment of Geo. B. Hitchcock & Co., 413 and 415 Sansome street.

Geo. S. Dickey, the Pioneer apothecary exhibits Mousell's salt, to show in the first place that he can make a better article than any other man in the United States, and in the second place, that his practical skill and scientific attainments in his business, pre-eminently qualify him for accurately dispensing physicians' prescriptions of pure and fresh medicines. Mr. D. may be found at the corner of Third and Howard streets.

Grand Military Display.—On Tuesday, Wednesday and Thursday of the present week, on the invitation of the Managers of the Fair, the Military will visit the Pavilion in full uniform, with bands and colors flying. These military parades will be worth coming a long distance to see.

The Miners' League.—The President of the Virginia City Miners' League has announced that after the 27th of September, persons who are not members of the League will not be allowed to work in any of the mills or mines thereabout.

Home Manufatures.—In considering the recent rapid growth of our home manufactures, as we have from time to time passed through the labaryuthine avenues at the Pavilion, we have been forcibly reminded of the important bearing which one branch of manufacture often exerts upon another. For instance in examining the California made leather in section 45, our attention has been irresistably called to the influence which the tanning business has exerted in introducing the manufacture of boots and shoes, of hose, belting, harness, trunks, etc. Even the carriage business is largely promoted by the facility thus obtained for procuring any desirable quality of leather, promptly, when needed. Again the hatters, bonnet makers, pill makers, etc., have built up several extensive manufactures of pasteboard boxes, which are now made in great numbers of different forms and sizes in this city. So also the increasing manufacture of jewelry, cutlery etc., has created such a demand for show cases, as to make that quite an important speciality in our home industry, some fine specimens of which are on exhibition at the Pavilion. The skill of our artists and the appreciative taste of Californians has also opened up a large business for the manufactory of picture frames, which are now made in this city in a style and excellence which can scarcely be excelled elsewhere. The establishment of powder manufactures is also giving employment to a large number of mechanics in the manufacture of powder cans and tin canisters, which latter are now turned out in great numbers. We might thus go on, *ad infinitum;* but we have said enough to convey some idea of the important influence which one branch of business has upon another in building up new branches of industry and increasing those already in existence.

The Attendance at the Pavilion yesterday, was very large, no falling off whatever is noticed as yet. The receipts are now somewhere in the vicinity of $33,000, which must be a large figure over the entire costs up to the close of the Exhibition. The receipts of the skating pond, yesterday, were $33; of the cheese, $29; of old Sanitary, $18.70; total $80.70 for the Sanitary Fund.

Colorado Ore.—One hundred sacks of copper ore, assaying 50 per cent, was landed a few days since on Commercial street wharf, from the Planet mine, near the mouth of Williams' Creek, in the Colorado valley. Five hundred sacks of the same quality are now at the mines ready for shipment. The establishment of steam navigation on the Colorado will soon build up an immense trade between that section and San Francisco.

Effects of Home Manufactures.—We see it stated that the recent reduction in the price of coal oil lamp chimneys is the result of the successful establishment of the Pacific Glass Works. The reduction is from 20 to 10 cents; an important item in many families in the course of the year.

Terrible Fatal Accident.—About seven o'clock this morning, while some men were engaged in putting up a pair of shear legs for the purpose of hoisting some heavy weights from a vessel at Norths' ship yard, at the Potrern, through some mismanagement, the heavy timbers fell over, falling upon two of the men, killing one Dan Stowell, instantly, and smashing the legs of the other in such a horrible manner that but little hopes are entertained of his recovery.

The police force of the city has been increased by an addition of thirty-eight to the usual number, to continue until the 15th of November. This increase has been made with reference to the unusually excited state of the public mind, growing out of the present extraordinary election canvass.

Silver from Lower California.—The John L. Stephens, which arrived on Sunday, brought up thirteen bars of silver from the Triunfo Gold and Silver Mining Company, valued at $3,187. A 10-stamp mill has recently been put up at the mine, and the above is the result of the first crushing. The bars are to be seen at the store of Messrs. Henry & Alexander, on Montgomery street.

[Wednesday, September 28th.]

A New Invention.—The Messrs. Schuster Brothers, No. 102 Kearny street, have invented an ingenious "Portable Fire Place," for the use of soldiers, prospectors and miners, as well as travelers upon the prairies where wood is scarce and the winds blow hard. This device consists of strips of sheet iron, or tin, fastened together by means of hinges, which, when not in use, can be folded up similar to a book. An adjustable cover is placed upon the top for the purpose of preventing the rain from putting out the fire. A rod or crane extends from one side to the other, on which are pot-hooks ready to hang the kettle on. The whole is kept in place by means of light, sharp pointed iron stakes, and can be adjusted in a moment's time, ready for use. The whole weight of this frame need not exceed twenty-five pounds, and can be safely carried fastened underneath the wagon of the traveler. This frame can also be turned to good account as a shield against the arrows of hostile Indians—those unyielding foes of the traveler across the plains. The invention is certainly novel, cheap, and practicable. A patent for it is now pending, through the Mining and Scientific Press Agency.

Honor and Enterprise Win Success.—There is scarcely an intelligent miner or mechanic in the State of California who is not more or less familiar with the name and firm of R. H. McDonald & Co., Druggists, of Sacramento, who have recently opened a new and extensive establishment in this city, on the corner of Sansome and Pine streets, near the Brooklyn Hotel. This firm has long been classed among the largest and most successful importers of the State, yet their business and good reputation seem to be still spreading. Were we called upon to write the secret of their business attainments, we should simply say that buying superior drugs and selling them at moderate profits is the lever of success in the apothecary business in any intelligent community.

Not Our Fault.—We wish it distinctly understood that we are not responsible for the omissions from the catalogue of entries not made in proper season at this Fair, its predecessors, or the World's Fair at London, any more than we are liable for the omission of the Apocryphal Books from Harper's edition of the Holy Bible. The principal omissions occurred in the catalogue because exhibitors, unfortunately, like printers, didn't know everything beforehand, and consequently failed to make proper entries, which is not the fault of the managers or the printers. The list of entries, however, will be revised, and published, as usual, with the reports of the exhibition; and notice of any errors which have occurred in the first publication should be immediately given to the Executive Committee.

A New Importing House.—As an evidence of prosperity in the growth of our city, we note the welcome fact that during the past year quite a number of the heaviest and most prominent tradesmen of the interior cities have established principal houses in San Francisco. We welcome to our circle all such new comers, for their successful experience vouches for their reliability as safe and honorable business men, thoroughly identified with and interested in the prosperity of our new State. Among this class we may mention Messrs. I. S. Van Winkle & Co., who have established, in a convenient situation at the corner of Battery, Bush, Market and Front streets, an extensive warehouse of Iron, Steel, Hardware etc. They come well recommended from Sacramento, where they still retain a very large branch.

Well Behaved Children.—Yesterday afternoon six hundred of the Fourth Street Primary School, and an equal number of larger boys, belonging to Rincon School, headed by the colors of their country, and the martial music of the drum and fife, marched through the Pavilion with so much propriety, and examined the many objects on exhibition at the Fair, with such intelligent interest as gained for them the respect of the great many ladies and gentlemen who witnessed with pleasure their good behavior.

"What is Home Without a Picture?"—And why will you be without the pleasure and luxury of pictures in your houses, offices and workshops when elegant, amusing and refined specimens of the beautiful and ennobling works of the best of artists can be had for a mere trifle at the universally cheap picture and picture frame store of B. McQuillan, 209 and 211 Leidesdorff street? It is always sensible to trade where you can get a good article at the most reasonable price, and for such a purpose we recommend Mr. McQuillan, whom we have patronized with the best of satisfaction.

California Gold Pens.—Among the most desirable articles of San Francisco manufacture, exhibited at the present Fair, are the diamond pointed gold pens, made by Mr. A. J. Haight, at 434 California street. By competent judges they are universally pronounced a superb article, and we speak understandingly when we say it is policy and economy for our citizens to purchase pens of Mr. Haight *in preference to any imported article.* They ought to draw a big prize, and whoever gets one of Mr. Haight's warranted pens will award him the first premium, surely.

Liberally Circulated.—In issuing the Catalogue of the Mechanics' Fair, the publishers made every effort to produce a book typographically superior to any of its predecessors on this coast, and its fine appearance in this particular is highly spoken of by practical printers. A large edition was printed, a portion of which we have taken pride in sending, as originally intended, to every newspaper, public library, Masonic and Odd Fellows lodge, and other associations in the state possessing libraries and public halls. We have done this for the benefit of the Institute, ourselves, and all parties interested in the Mechanics' Fair and its Catalogue.

The Receipts and Expenditures.—Up to Saturday last the expenditures on the Fair Building, and matters connected with the Fair, have amounted in round numbers to about $32,000. The receipts up to the same date had fallen short of this am't $1,500. This has been probably made up since, yesterday alone more than half that sum was taken for admission to the pavilion. The receipts for the Sanitary Fund yesterday were—admission to the Skating Pond, $31; to the Big Cheese, $39.40; and Old Sanitary gobbled up $13; making a total of $83.40.

Ore From Humboldt.—The Red Bluff *Independent* speaks of a lot of very superior ore which lately arrived at that place from the Sheba and De Soto mines, in Humboldt. It describes one chunk of ore from the De Soto as of extraordinary richness and weighing over 500 pounds.

Another lot arrived about the same time from the "Godfrey Series," in Puebla district, Humboldt, which the *Independent* says averages higher than that from the De Soto.

[Thursday, September 29th.]

The Children at the Pavilion.—One of the most pleasurable emotions to be enjoyed at the Pavilion, is to stand at the main entrance door and watch the school children as they come marching in, and to witness the joy and happiness which beams from their bright little faces as they hurriedly cast their eyes around to take in the first grand view there presented. Many of them come in tired and weary with the long walk from their distant school rooms, as may be readily noticed from their flushed countenances and the languid step with which they reach the outer threshold. But no sooner do they get a glimpse of the display within, than their countenances brighten with joy, their languor is dispelled, and the little pattering feet come down once more firmly upon the floor, as they endeavor to catch the time of the music and move in unison therewith. To our mind these visits form one of the most pleasing and suggestive features at the Pavilion. The sight of these little ones as they come marching in to the music of the Union, is eminently suggestive of hope and trust in the future of our State. Who can tell the immensity of joy and happiness that has been given to these children by the gratuitous exhibition which has been thus extended to them by the managers of the Institute. God bless these little ones and may prosperity ever attend the noble institution which has thus made them more than happy.

The Attendance at the Pavilion, yesterday, was quite as large as usual. During the day there were several interesting tests of machinery. The Committee on Fire Hose instituted a test, by the aid of Stoddard's pump, which has an index noting correctly every pound of pressure on the valves. A piece of double rivited hose manufactured by H. A. Cook, of Battery street, from leather tanned by Henry Miller, of the Sixth Street Tannery, stood a pressure of 175 pounds to the square inch before bursting. Single rivited, of the same make, stood 165 pounds. A trial was also made of hose manufactured by Mr. Folsom, from leather also tanned by Mr. Miller, with about the same result as above. The above tests indicate great power of resistance, and reflect much credit on the manufacturers. No eastern hose ever brought to this market would stand a better trial. Some idea of the extent of this branch of our local manufacture may be formed from the fact that at the establishment of Mr. Cook, alone, 1,500 feet has been made, to fill orders from the country, within a very short time.

There was also another interesting trial of the crushing capacities of Fauchery's Crocodile and Hanscom's Rock Crushers. An equal quantity of rock—about half a ton—was given to each machine. The machines were carefully timed; the rock will be weighed, and the judges will pronounce upon the quality and quantity of the work this morning, probably in season for the result to be announced in our second edition.

The receipts of the skating pond yesterday, were $30; of the cheese, $30.42; of Old Sanitary, $16.45; total, $76.88 for the Sanitary Fund.

Mining Laws.—The new laws regulating mining transactions by incorporated companies are very rigid—unnecessarily so we think. But just or unjust as the laws may be, so long as they remain upon the statute books of the State, it is highly essential to the interest of every good company that they be strictly complied with by Secretaries, Trustees and all officers and stockholders of incorporated bodies. We regret that our observation prompts us to say, that not more than one-half of the sales made of delinquent mining stocks advertised in San Francisco, are in strict accordance with the letter of the law governing the same, and we tremble for the day of retribution, which will surely come, if many of the claims now being illegally sold become of importance. It is the duty of every one interested in mines to thoroughly post themselves in the laws governing the same. To do this, we know of no better method than purchasing Bancroft's Mining Laws and Forms, compiled by Mr. H. B. Congdon, a competent Attorney and Mining Secretary.

Lithographs and Engravings.—Some of the finest specimens of lithography yet produced on this coast have been drawn by Geo. H. Baker. As a sample of his work we refer to the fine view of the Grand Pavilion, published by the publishers of the Press, and engraved by Mr. Baker. We have heard none speak otherwise than in its praise. Mr. B's office is at No. 522 Montgomery street.

Liberal.—Frisbie's band have volunteered their services at the Pavilion, for Monday next, for the benefit of the sufferers in the southern counties.

Evidence of Appreciation.—In Saturday's issue, in closing our "forms" in haste, we were compelled to omit the advertisement of Messrs. Bartling & Kimball, practical book-binders, corner of Clay and Sansome streets. We were 'rejoiced' this morning to learn that the omission, was noticed, and we make haste to give a fair explanation. Our weekly is issued on Saturday, with full stock reports, consequently our printers are unusually busy on that day. It is a significant fact that not a single line of advertising has inadvertently dropped from the columns of the Daily Press, without our being almost instantly notified of the fact.

Visitors.—The inmates of the Deaf and Dumb Asylum visited the Pavilion yesterday; also the pupils of the Public School, at the corner of Fifth and Market streets.

The Whale.—It is stated that fully 1500 persons yesterday visited the whale, now lying upon the beach near the Cliff House.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Oct. 1st, 1864.

The business of the Board during the present week has been larger than that of any previous like period for months past. With scarce an exception all stocks that ars commonly dealt in have been buoyant, at better prices. Leading shares have materially improved and ars in favor at ths advance. Most of thcse claims are now yielding largely and their present condition is such as to inspire the belief that they are not likely to becoms less productive for some tims hence. Some of them, although not as yet dividend paying, are rapidly curtailing their indebtedness, and preparing to accumnlate a fund for stockholders. More economy and hetter judgment is now used in the administration of ths affairs of these Companies, and the good results of such a policy will soon be apparent in increased profits. Quite a number of low priced stocks have heen activs this wesk, and formed quite a feature of the daily transactions. Many of this latter class douhtless possess soms merit, hnt ths advance in certain other shares is said to be solely predicated upon the speculative fever of the moment.

Legal Tender Notes were largely dealt in since Saturday last, at variable rates; advancing from 49 to 53¾, declining to 51, seller 60, rallying to 53, at 10 days, receding to 50½, seller 60, and closing last evsning at $52. $397,000 were sold at these figures.

Gould & Curry fell from $1,120 to $1,050, seller 60, then steadily advanced to $1,300, buyer 30, and was held last evening at $1,300. Within this rangs 57½ feet were sold. The Company ars vigorously progressing with the several shafts sunk from ths lower works, and it is rumored that a hody of good ore has heen met with recently which may lead to an extensive deposit. Receipts of Bullion for the past month amount to some $200,000, and the regular dividend of $50 per foot will he declared.

Savage has hecn somewhat inactive hut well maintained, advancing from $1,275 to $1,330, and closing at $1,400 hid, $1,425 asked. Ten feet were sold. This mine is said to be looking cxtrcmely well, and discloses more ore than at any former period. In addition to some 4,000 tons of ore sent to different mills last month, shipments of first class ore were made to England. The Company are now drifting for the North Potosi chimney and will soon be at work on this vein. Receipts of Bullion last month exceed $150,000, and after ths payment of the regular dividend a considerahle snrplus will remain at ths credit of the Company.

Potosi is in rather less favor and 12 feet were sold, advancing from $700 to $770, receding to $725, and closing at $720. The evidcnce in the suit of this company with the Bajazet, has heeu submitted and the case will he argued and given to the Referee in a day or two. Considerabls testimony has heeu presented by both sides, hut an early decision is looked for.

Chollar rose to $725, declined to $675, rallied to $700, scller 30, and sold yesterday at $695. 76¼ feet changed hands. A late crushing of 130 tons of ore from this mine yielded $79 per ton. Five mills are at this time constantly cmployed in reducing about 100 tons per day. Ths lode in the South mine is now 26 feet wide, four-fifths of which discloses thus far very valuable ore. The drift on the eastern face of this vein is 60 fect in length and continnes to look well. In the North Mine, a depth of 63 feet has been attained from the 4th levsl, and within the ensuing 15 days the fifth level will he opened, communicating with the drift from the main shaft. The yield of this mine for the month of September amounted to some $75,000. Ths debt of the Company has been materially rcduced and thc product of the mine for the current month will, it is believed, entirely extinguish it, leaving a surplus in their treasnry.

Yellow Jacket ohtained rather less favor this week. Twelve feet were sold, declining from $650 to $600 and closing at $580 hid, $600 asked. The north drift has met with a deposit of a promising character, thc vein containing a seam of choice ore at this point. Belcher is improving and one foot was sold at $620.

Ophir rose from $330 to $355, sold at $34, seller 60 days, and was held last evening at $350. Fourteen feet changed hands within this range. No new developments have taken place recently. The Compauy are prosecuting work energetically and anticipate favorable results from their low grade ores in their new mill which will he at work in a day or two.

Hale & Norcross suddenly rose from $250 to $400, hnyer 5 days, and closes at about $350 We havs no definite advices from this mins but learn that recent indications are favorable in the lowsr drift. Uncle Sam was sold at $175@$200—assessment of $100 delinquent—and is now in some request.

Sheba has been dull and inactive at from $70 to $72. The Company received on Wednssday last a shipment of 428 lbs. of Bullion, the valus of which has not been ascertained as yet.

Imperial declined from $150 to $145, ross to $152, and is now inquired for at $151. 50 shares were sold at these rates.

Burning Moscow has been a conspicuous featnre of ths market and 1618 shares werc dealt in since Saturday last; advancing from $32 to $57, declining to $53, rallying to $75, dropping to $55, then rising to $70 and selling at the closs at $60 The cause of this sudden and unexpected movement is only known to those in the interest of the Company and to other prominent stockholders. A mysterious reticence prevails and it is difficult to ascertain if ths riss is predicated npon anything in the mine or whether it is solely the result of a speculative combination to entrap the unwary.

North Ophir advanced to $165. Scvcnty feet changing hands. The short interest will it is thought experience some difficulty in making deliveries. Wc may at another time venture somo remarks npon these transactions.

Nevada, J. G., is well sustained at the recent advance and 285 feet werc sold within the rangs of $37@$51, closing at about the latter figure.

Wids West continues strong and 545 shares have changed hands advancing from $26 to $35 and selling yesterday afternoon at $35. The last crushing of 28½ tons of orè yielded $49 per ton.

Golden Age & Empire has met with dccided favor, rising from $6¾ to $19—owing it is said to the discovery of a good lode of ore 32 feet from the surface, in drifting from the main shaft. Sales were made yesterday at from $15½ to $19.

Lady Bryan has been active, and 1602 shares were sold at from $5 to $9. Baltic dcclined from $25 to $22. North Potosi was sold at $10; Daney at $20; Bullion at $55; Santa Rosa at $18½; Antelope at $115; Utah at $6 and Melones at $10.

Real Del Monte rose from $17½ to $38. Buckeye was sold at from $5½ to $13; De Soto at $17½@$15; North American at $25.

The aggregate sales of Stock and Legal Tender Notes sincc Saturday last amount to $ 535.081.50.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, September 24.

15 shs Gould & Curry at 1120 per foot.
12 shs Gould & Curry at 1080 per foot, s 30.
1 sh Savage at 1275 per foot.
6 shs Potosi at 705 per foot.
2 shs Potosi at 700 per foot.
2 shs Potosi at 710 per foot, b 10.
7 shs Yellow Jacket at 650 per foot, Thursday.
3 shs Yellow Jacket at 650 per foot.
5 shs Yellow Jacket at 650 per foot, s 30.
12 shs Ophir at 330 per foot.
35 shs Wide West at 27@28 per share.
10 shs Wide West at 26 per share, s 30.
30 shs Golden Age & Empire at 6¾ per share.
10 shs Novada, J. O. at 37½ per foot, b 10.
5 shs Nevada, J. O. at 39 per foot.
5 shs Burning Moscow at 32 per share, s 30.
20 shs Burning Moscow at 32¼ per share.
5 shs Real del Monte at 18 per share.
170 shs Lady Bryan at 5@5½ per share, 30.
20 shs Lady Bryan at 5¼ per share, s 20.
260 shs Lady Bryan at 5@5¼ per share.
5 shs Lady Bryan at 5½ per share, b 15.

AFTERNOON SESSION.

2 shs Gould & Curry at 1120 per foot.
1 shs Gould & Curry at 1070 per foot, s 30.
2 shs Gould & Curry at 1110 per foot.
1 sh Gould & Curry at 1105 per foot.
1 sh Gould & Curry at 1135 per foot, s 5.
7 shs Yellow Jacket at 550 per foot.
12 shs Imperial at 150 per share.
5 shs De Soto at 17½ per share.
50 shs Pride of the West at 2 per share.
10 shs Golden Age & Empire at 8 per share.
130 shs Lady Bryan at 5¼ per share.
10 shs Lady Bryan at 5¼ per share, b 15.
20 shs Chollar at 715 per foot.
2 shs Chollar at 725 per foot.
5 shs Baltic at 25 per share.
29 shs Wide West at 25 per share, s 30.
10 shs Wide West at 26 per share, s 30.
10 shs Justis at 39 per share.
$10,000 Legal Tender Notes at 49 per cent.
$5,000 Legal Tender Notes at 49 per cent, s 30.
$15,000 Legal Tender Notes at 49 per cent, flat 30.
$10,000 Legal Tender Notes at 48 per cent, s 50.
$25,000 Legal Tender Notes at 48 per cent, s 60.
Amount of sales.....$75,475 00

Monday, September 26.

$15,000 Legal Tender Notes at 52 per cent, s 30.
$ 1,100 Legal Tender Notes at 53 per cent.
$10,000 Legal Tender Notes at 53 per cent, s 10.
$10,000 Legal Tender Notes at 51 per cent, 60 days.
$20,000 Legal Tender Notes at 52 per cent. s 30.
$10,000 Legal Tender Notes at 62¼ per cent, s 30.
$20,000 Legal Tender Notes at 53¼ per cent, b 6.
$10,000 Legal Tender Notes at 52 per cent, s 30.
$10,000 Legal Tender Notes at 53½ per cent, b 5.
$5,000 Legal Tender Notes at 51 per cent, s 60.
25 shs San Francisco Gas at 86 per cent.
4 shs Potosi at 710 per foot.
1 sh Yellow Jacket at 600 per foot, r w.
12 shs Ophir at 330 per foot.
8 shs Could & Curry at 1075 per foot, s 30.
8 shs Gould & Curry at 1050 per foot, s 60.
4 shs Gould & Curry at 1080 per foot, s 30
4 shs Gould & Carry at 1115 per foot.
41 shs Barrateros, Mexico at 5 per share.
5 shs Burning Moscow at 35 per share.
20 shs Burning Moscow at 37½ per share, 30 ds.
25 shs Burning Moscow at 37½ per share.
30 shs Lady Bryan at 5¼ per share.
61 shs Lady Bryan at 5¼ per share.
10 shs Nevada, J. G., at 42 per share.
10 shs Golden Age & Empire at 11 per share.
20 shs Golden Age & Empire at 11½ per share.
10 shs Antelope at 15 per share.
40 shs Wide West at 26½ per share.
40 shs Wide West at 26½ per share, r w.

AFTERNOON SESSION.

$10,000 Legal Tender Notes at 54 per cent, b 30.
1 sh Savage at 1320 per foot.
1 sh Savage at 1320 per foot, r w.
12 shs Sheba at 70 per foot.
2 shs Potosi at 750 per foot, s 30.
12 shs Ophir at 335 per foot, s 60.
20 shs Utah at 5 per share.
60 shs Buckeye at 5¼ per share.
50 shs Real del Monte at 17½ per share.
5 shs Real del Monte at 17½ per share, b 15.
10 shs Golden Age & Empire at 11 per share.
10 shs Golden Age & Empire at 12 per share.
10 shs Golden Age & Empire at 12 per share, b 3.
20 shs Golden Age & Empire at 11½ per share.
10 shs Burning Moscow at 45 per share.
40 shs Burning Moscow at 46½ per share.
10 shs Burning Moscow at 44 per share, s 30.
20 shs Burning Moscow at 46 per share.
10 shs Burning Moscow at 50 per share, b 30.
10 shs Burning Moscow at 45 per share, s 30.
Amount of sales.....$83,385 00

Tuesday September 27.

$10,000 Legal Tender Notes at 53 per cent, a 10.
$10,000 Legal Tender Notes at 53 per cent.
$10,000 Legal Tender Notes at 52½ per cent, s 30.
$ 5,000 Legal Tenger Notes at 53¼ per cent, b 3.
$ 5,000 Legal Tender Notes at 53 per cent.
12 shs Ophir at 340 per foot, s 30.
12 shs Ophir at 350 per foot.
12 shs Ophir at 355 per foot, r w.
8 shs Gould & Curry at $1150 per foot.
4 shs Gould & Curry at 1130 per foot, s 20.
8 shs Gould & Curry at 1100 per foot, s 60.
4 shs Gould & Curry at 1160 per foot, r w.
4 shs Gould & Curry at 1100 per foot, s 60.
98 shs Burning Moscow at 60 per share.
10 shs Burning Moscow at 59 per share, 30 ds.
5 shs Burning Moscow at 56 per share, b 30.
10 shs Burning Moscow at 50 per share, s 30.
4 shs Burning Moscow at 51 per share.
70 shs Burning Moscow at 52 per share.
20 shs Burning Moscow at 52 per share, r w.
50 shs Burning Moscow at 57 per share, b 30.
3 shs Imperial at 150 per share.
3 shs Imperial at 148 per share.
2 shs Imperial at 145 per share.
5 shs De Soto at 15 per share.
10 shs Nevada, J. G. at 45 per share.
10 shs Nevada, J. G. at 43 per share.
10 shs Nevada, J. G. at 40 per share.
5 shs Nevada, J. G. at 39 per share.
10 shs Real del Monte at 17½ per share.
30 shs Melones at 10 per share.
10 shs Wide West at 27 per share.
45 shs Lady Bryan at 5¼ per share.
20 shs Lady Bryan at 6¼ per share.

AFTERNOON SESSION.

$20,000 Legrl Tender Notes at 53¾ per cent, s 10.
$15,000 Legal Tender Notes at 53¾ per cent.
$10,000 Legal Tender Notes at 52½ per cent, 30 ds.
$ 5,000 Legal Tender Notes at 53 per cent, 10 ds.
4 shs Sheba at 72½ per foot.
4 shs Potosi at 720 per foot.
5 shs Wide West at 27½ per share.
10 shs Wide West at 28¼ per share, r w.
10 shs Lady Bryan at 5½ per share, b 30.
8 shs Lady Bryan at 5 per share.
20 shs Buckeye at 5¼ per share.
40 shs Buckeye at 6 per share, b 30.
65 shs Golden Age & Empire at 11 per share.
10 shs Golden Age & Empire at 11 per share, r w.
40 shs Burning Moscow at 53 per share.
40 shs Burning Moscow at 53½ per share.
5 shs Burning Moscow at 54 per share.
20 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 58 per share, b 30.
5 shs North American at $25 per share.
15 shs Nevada J. G., at 40 per share.
Amount of sales.....$85,480 50

Wednesday, September 28.

$ 6,000 Legal Tender Notes at 51 per cent, s 30.
36 shs Ophir at 350 per foot.
1 sh Savage at 1330 per foot.
5 shs Savage at 1300 per foot, s 30.
4 shs Gould & Curry at 1160 per foot.
4 shs Gould & Curry at 1170 per foot.
1 sh Sheba at 75 per foot.
2 shs Uncle Sam at 175 per foot.
20 shs Daney at 20 per foot, r w.
55 shs Burning Moscow at 60 per share.
1⅞ shs Burning Moscow at 60 per share, s 3.
7 shs Burning Moscow at 39 per share, s 3.
10 shs Burning Moscow at 62½ per share, b 30.
15 shs Burning Moscow at 61 per share.
214 shs Trinidad at 50c per share.
5 shs Golden Age & Empire at 12 per share.
10 shs Golden Age & Empire at 12½ per share.
15 shs Golden Age & Empire at 12½ per share.
10 shs Nevada J. G., at 40 per share.
10 shs Nevada, J. G. at 40½ per share.
10 shs Nevada, J. G., at 41 per share, b 15.
10 shs Wide West at 28 per share.

AFTERNOON SESSION.

$15,000 Legal Tender Notes at 51 per cent, a 30.
60 shs Ophir at 340 per foot, s 60.
4 shs Gould & Curry at 1200 per foot.
4 shs Gould & Curry at 1190 per foot.
5 shs Hale & Norcross at 400 per foot, p 5.
10 shs North Ophir at 150 per share.
20 shs North Ophir at 150 per share, s 60.
20 shs North Ophir at 150 per share, a 60.
5 shs Wide West at 28 per share.
6 shs Wide West at 28½ per share.
40 shs Wide West at 29 per share.
10 shs Silver Hill at 3 per share.
65 shs Golden Age & Empire at 14 per share.
140 shs Buckeye at 5½ per share.
3¼ shs Buckeye at 5½ per share.
5 shs Real del Monte at 17½ per share.
20 shs Burning Moscow at 70 per share.
43 shs Burning Moscow at 69 per share.
10 shs Burning Moscow at 70 per share.
40 shs Burning Moscow at 68 per share.
3 shs Burning Moscow at 67½ per share.
10 shs Burning Moscow at 70 per share, 30 ds.
30 shs Burning Moscow at 71 per share, b 30.
10 shs Santa Rosa at 18¼ per share.
Amount of sales.....$58,020 00

Thursday, September 29.

4 shs Gould & Curry at 1180 per foot.
64 shs Gould & Curry at 1200 per foot, b 10.
3 shs Gould & Curry at 1190 per foot.
1 sh Savage at 1330 per foot.
20 shs Chollar at 675 per foot, a 30.
40 shs Chollar at 680 per foot, s 30.
100 shs Chellar at 700 per foot, s 30.
20 shs Chollar at 690 per foot, a 30.
4 shs Potosi at 726 per foot.
3 shs Belcher at 620 per foot.
65 shs Burning Moscow at 70 per share.
80 shs Burning Moscow at 70@68 per share, s 3.
10 shs Burning Moscow at 75 per share, b 30.
40 shs Burning Moscow at 68 per share.
7 shs Burning Moscow at 67 per share.
10 shs Burning Moscow at 60 per share, s 30.
10 shs North Potosi at 10 per share.
20 shs Utah at 6 per share.
55 shs Nevada, J. G. at 38¼@40 per share.
10 shs Nevada, J. G., at 40 per share, b 10.
144 shs Lady Bryan at 5¼ per share.
60 shs Golden Age & Empire at 16@17 per share.
29 shs Golden Age & Empire at 18 per share, b 30.
15 shs Golden Age & Empire at 19 per share, b 3.
10 shs Imperial at 160 per share.
20 shs Wide West at 29 per share.
40 shs Wide West at 28 per share, s 30.
5 shs Antelope at 15 per share.
5 shs Baltic at 22 per share.

AFTERNOON SESSION.

4 shs Gould & Curry at 1225 per foot.
4 shs Gould & Curry at 1240 per foot, s 10.
40 shs Chollar at 700 per foot, s 30.
12 shs Lady Bryan at 6 per share.
12 shs Lady Bryan at 6¼ per share.
10 shs Burning Moscow at 60 per share.
44 shs Burning Moscow at 55 per share.
30 shs Burning Moscow at 67½ per share.
49 shs Burning Moscow at 60 per share.
10 shs Burning Moscow at 57½ per share, s 30.
58 shs Burning Moscow at 62½ per share.
10 shs Burning Moscow at 53 per share, a 30.
72 shs Burning Moscow at 62 per share.
30 shs Wide West at 28 per share, s 30.
10 shs Wide West at 30 per share, 30 ds.
10 shs Wide West at 29 per share, s 30.
10 shs Wide West at 30 per share.
10 shs Wide West at 31 per share.
45 shs Golden Age & Empire at 19 per share.
10 shs Golden Age & Empire at 19 per share, r w.
10 shs Imperial at 150 per share.
10 shs Bullion, C. H., at 45 per share.
5 shs Real del Monte at 19 per share.
10 shs Real del Monte at 20 per share.
Amount of sales.....$107,526 00

Friday, September 30.

6 shs Spring Valley W W at 32 per cent.
6 shs Uncle Sam at 200 per foot.
12 shs Gould & Curry at 1260 per foot.
28 shs Gould & Curry at 1300 per foot, b 10.
8 shs Gould & Curry at 1280 per foot.
4 shs Chollar at 700 per foot.
60 shs Chollar at 690 per foot.
10 shs Imperial at 160 per share.
65 shs Burning Moscow at 67½@70 per share.
2 shs Burning Moscow at 70 per share, b 30.
30 shs Burning Moscow at 69 per share, s 30.
15 shs Burning Moscow at 67½ per share, b 30.
50 shs Antelope at 15 per share.
30 shs Real del Monte at 22 per share.
20 shs Real del Monte at 25 per share.
20 shs Nevada, J. O., at 44@45 per share.
25½ shs Bullion, C. H., at 45 per share.
220 shs Lady Bryan at 7@7¾ per share.
80 shs Wide West at 31@35 per share.
10 shs Wide West at 31 per share, s 30.
10 shs Wide West at 35 per share, s 30.
20 shs North Ophir at 165 per share.
30 shs Golden Age & Empire at 15½ per share.
$8,500 Legal Tender Notes at 52 per cent.
$36,000 Legal Tender Notes at 51½ per cent, s 30.
$50,000 Legal Tender Notes at 50½ per cent, s 60,
$ 6,000 Legal Tender Notes at 52½ per cent.

AFTERNOON SESSION.

1 sh Savage at 1400 per foot.
40 shs Burning Moscow at 69 per share.
10 shs Nevada, J. G., at 47¼ per share.
20 shs Nevada, J. G., at 49 per share.
15 shs Nevada, J. G., at 50 per share.
25 shs Nevada, J. G., at 48 per share.
20 shs Nevada, J. G., at 49 per share, s 30.
80 shs Blue Ledge at 2¾ per share.
10 shs Baltic at 23 per share.
14 shs Bullion C. H. at 52½ per share.
20 shs Bullion, C H., 55 per share.
20 shs Wide West at 35 per share.
10 shs Real del Monte at 38 per share.
60 shs Real del Monte at 35 per share.
10 shs Lady Bryan, S per share.

90 shs Lady Bryan at 8½ per share.
80 shs Lady Bryan at 9 per share.
100 shs Lady Bryan at 8 per share.
50 shs Lady Bryan at 9 per share, b 30.
50 shs Lady Bryan at 8¾ per share, b 30.
35 shs Lady Bryan at 8 per share.
40 shs Pride of the West at 5 per share.
10 shs Pride of the West at 6 per share.
20 shs Pride of the West at 7 per share.
45 shs Pride of the West at 8 per share.
50 shs Pine Key at 10 per share.
9 shs Pine Key at 12 per share.
10 shs Pine Key at 13 per share.
30 shs Golden Age & Empire at 18 per share.
20 shs Golden Age & Empire at 19 per share.
Amount of sales.....$125,195 00

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'T—SALE.
Antelope, Esmeralda, $10	Oct 17—Nov 1
Aspinwall, Lander co	Caution*
Alameda Coal, $1	Nov 2—Nov 19
Alemania, San Antonio, $1	Sep 26—Oct 7
Aucho, Inyo, 10c	Sep 22—Oct 6
Apollo, R. R., 50c	Oct 1—Oct 20
Antiquarian, Lander co	Annual Meeting Oct 9
Buckeye and Old Hickory Cons., S. Cat., 50c	Oct 15—Nov 3*
Buckeye, Devil's Gate, $2	Sep 19—Oct 3
Baja California, San Antonio, 50c	Sep 22—Sep 28
Butte, Humboldt	Annual Meeting Sep 26
Big Blue Lead, Tulare, $2	Sep 28—Oct 14
Bajazett & Gold. Era Cons., $5	Salo Oct 8, Virginia
Burnside, Virginia, 50c	Oct 5—Oct 20
Big Canon, Tuolumne co., $3	Oct 11—Oct 22
Barreteros, Sinaloa, $5	Sep 28—Oct 11
Boston Copper, El Dorado co., $1	Sep 30—Oct 15
Bullion, $10	Virginia
Best & Belcher, Virginia, $7.50	Oct 25—Nov 7
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Crescent Quartz, Dividend $50	Payable Oct 1*
Citizens', Coal, Mount Diablo, $5	Sep 24—Oct 8*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Caldwell, Cove	Removal*
Chrysópolis, Low Divide, 25c	Oct 23—Nov 8
Catalina Cons., San Pedro, 20c	Sep 5—Oct 1
Copp, Sierra, $1	Sep 17—Oct 1
Chicago & Detroit, Amador co., 75c	Sep 17—Oct 1
Cordillera, Chihuahua, $1	Sep 21—Oct 1
Cortez, Lander co., $1	Nov 2—Nov 17
California, Virginia, $12.50	Aug 12—Oct 1
Colicia, San Antonio, $2	Sep 27—Oct 10
Central, No. 2, Virginia, $3	Oct 3—Oct 17
Cosala, Sinaloa, $1	Oct 5—Oct 17
Chihuahua & Western Summit	Annual Meeting Oct 1
Chicago & Detroit	Annual Meeting Oct 3
Colorado, Santa Catalina, $25	Sep 19—Oct 10
Caledonia T. & M., Gold Hill, $1	Oct 6—Oct 19
Crown Lead, Mariposa co., $1	Oct 9—Oct 20
Comstock, Lander co	Annual Meeting Oct 9
Comstock, San Antonio, 60c	Oct 8—Oct 22
Cassiapela	Annual Meeting Oct 1
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Caledonia, Gold Hill	Annual Meeting Oct 3
Chipionepa, Sonora	Annual Meeting Oct 10
Dashing Wave, Lander co., 25c	Oct 29—Nov 14*
Dane, Esmeralda, $1	Sale Oct 1*
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Dancy, Lyon co., $2.50	Oct 10—Oct 24
Dacota, R. R., $1	Sep 28—Oct 14
Dictator, Alpine co., 50c	Sep 24—Oct 1
Do Soto, Star, $2.50	Oct 22—Nov 9
Dios Padre	Annual Meeting Oct 3
Dinmond, Copper. Del Norte co., 75c	Oct 22—Nov 9
Evoen, Del Norte co., 25c	Oct 8—Oct 24*
El Dorado, Silver Mountain, 50c	Oct 23—Nov 12*
East Range, Humboldt, $8	Sep 28—Oct 15
El Tesoro, Lower Cal., $3	Sep 25—Oct 10
Evening Star, Humboldt co., $1.50	Sep 17—Oct 8
Ethan Allen, R. R., $1	Oct 11—Oct 26
Ellery, Lander co	Annual Meeting Oct 9
Etna, Esmeralda	Annual Meeting Oct 17
El Tigre	Annual Meeting Oct 3
El Dorado	Quarterly Meeting Oct 5
Eclipse Tunnel	Annual Meeting Oct 3
Fortune, Calaveras co., 20c	Oct 22—Nov 9*
Franco Americana, San Antonia, $1	Oct 10—Oct 26
Fork, 25c	See 29—Oct 15
Gen. Jackson, Devil's Gate, 50c	Sep 24—Oct 8*
George Washington No. 2	Annual Meeting Nov 17*
Gold Rock, Calaveras co., 50c	Sep 10—Oct 5*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Great Western, Keyes, Mono co., $1	Sep 21—Oct 8*
Gobernadora, Lower Cal., $1	Oct 18—Oct 31
Green, Gold Hill, $1	Oct 26—Nov 12
Gold Canon Cons., Gold Hill, $2	Sep 24—Oct 8
Gov. Nye, Alpine co., 50c	Sep 24—Oct 8
Gov. Seymour, R. R., $2	Sep 25—Oct 8
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Guadaloupe del Aguajito, Sonora, 50c	Oct 29—Nov 12
Green, San Bernardino, 75c	Oct 23—Nov 8
Gold Hill T. & M., $1	Oct 26—Nov 9
Great Western T. & M., Aurora, 40c	Oct 29—Nov 9
Great Western T. & M	Special Meeting Nov 1
Henry & Barnard, Weaver, 10c	Oct 15—Oct 24*
Humboldt Canal, Humboldt co., $3	Sep 17—Oct 5
Humboldt, Sierra District, $2	Sep 30—Oct 19
Hale & Norcross, Virginia, $25	Oct 15—Nov 1
Indedendent, R. R., $1	Oct 8—Oct 22*
Illinois, El Dorado Canon. A. T., $2	Oct 1—Oct 17*
Isabella	Annual Meeting Oct 1
Jewett, Gold Hill, $1	Sep 21—Oct 6
Jewel, Devil's Gate, $1	Sep 21—Oct 4
Josephine Quicksilver, Salinas, $5	Oct 7—Oct 18
Kentucky Copper, Madame Felix, 50c	Oct 3—Oct 22
Kohler Bros., San Antonio, Mex., $1	Sep 29—Oct 13
Loomis, Lander co., 25c	Oct 29—Nov 14*
La Caudelaria, San Dimas, $2.50	Sep 24—Oct 8*
Lady Bell, Law Divide, 10c	Oct 24—Nov 5
Louisiana, R. R., $1.50	Sep 12—Oct 1
Lotus, Gopher, 10c	Oct 21—Nov 5
Las Chureas, Lower California, $50	Oct 6—Oct 17
La Fernandez, Hermosillo, Mexico, $4	Oct 29—Nov 5
La Blanca, Ures, $2.50	Sep 26—Oct 7
Las Cruzecitas, San Xavier, $6.25	Oct 29—Nov 12
Laura Johnson, Los Angeles, 50c	Oct 4—Oct 19
Lucy Ella, Gold Hill	Sale Oct 18
Lady Bell	Annual Meeting Oct 24
La Blanca	Annual Meeting Oct 12
London Quartz, Siskiyou	Oct 29—Nov 17
La Soledad, San Dimas $1	Oct 24—Nov 5
Mammoth, Silver Mountain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 5*
Mojicana, Contra Costa, 15c	Oct 11—Oct 31*
Mosquito Quartz, Calaveras co	Annual Meeting Oct 3
Mechanics', Clayton, 5c	Sep 24—Oct 15*
Musidora, San Antonio, 50c	Oct 8—Oct 22
Maria, Chihuahua, 75c	Sep 28—Oct 12
Monte Cristo, Virginia, $1.50	Sep 28—Oct 14
Maria, Lower California, $3	Sep 24—Oct 8
Manzanilla, Sinaloa, 25c	Sep 24—Oct 7
Mina Prieta, Ures, $10	Sep 23—Oct 5
Manchester, Monitor	Annual Meeting Oct 3
Mary Frances, Alpine co., 50c	Oct 10—Oct 22
Mina Rica de Las Flores, Calaveras co., $1	Oct 25—Nov 14
Monster Cons., 30c	Oct 24—Nov 5
Manchester, Monitor, $1.50	Oct 22—Nov 5
Mina Prieta	Annual Meeting Oct 1
Mineral Hill T. & M., Mono co., 50c	Oct 19—Nov 1
New Era, Cop., Tuolumne co., 50c	Sep 24—Oct 10*
North Star, R. R., $3	Oct 6—Oct 19
Nuestra Senora de Guadaloupe, Mex. $1	Sep 23—Oct 8
North American, $2	Virginia
Ne Plus Ultra, Tuolumne co., 50c	Oct 8—Oct 20
Napoleon	Quarterly Meeting Oct 10
Oxford Beta, Esmeralda, 50c	Oct 15—Nov 2*
Overman	Sale Oct 5, Gold Hill
Oak Flat Quartz	Quarterly Meeting Oct 3
Oxford Beta	Annual Meeting Oct 9
Providence, Nevada co., $1	Oct 22—Nov 5*
Porter, Virginia, N. T., $5	Aug 27—Oct 1*
Pena Silver, Lower California, $3	Aug 30—Oct 1*
Plumhago, Sierra, $1.50	Oct 13—Oct 27
Planet, Arizona, $1	Oct 29—Nov 10
Pearl. Copper, Del Norte co., $25	Oct 2—Oct 12
Penolpe, Clayton, 20c	Oct 12—Oct 24
Peninsula, San Antonio, $10	Aug 25—Sep 2
Rose, Mariposa, 50c	Oct 29—Nov 7*
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Rose-Linda, Alpine co., 50c	Sep 30—Oct 10*
Roxby, Gold Hill, 50c	Sep 21—Oct 3
Realdel Monte, Esmeralda	Sale Oct 10
Rose, Humboldt	Annual Meeting Oct 3
Rosario & Carmen, Sinoloa, $1	Oct 29—Nov 10
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 23*
Simpson & Bosselle, Carson Valley, 30c	Oct 22—Nov 7*
Sisters & Augusta, Lander co., 15c	Oct 19—Nov 19*
St. Paul, Lander co., 50c	Oct 15—Oct 29*
Salinas, Montercy, co., 20c	Oct 15—Oct 29*
Santa Cruz, Petrolcum, 12½c	Sep 25—Oct 10*
Salamander, Calaveras co., 10c	Sep 17—Oct 4*
Silver Prize	Annual Meeting Sep 20*
Silver Prize No. 2	Annual Meeting Oct 7*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Sweet Vengeance, Yuha co., $1	Oct 20—Nov 4
Siskiyou, Siskiyou co., $1	Sep 10—Oct 1
Sierra, Genoa, $2	Oct 5—Oct 17
Sheba, Star City, Humboldt co., $10	Sep 12—Oct 1
Smith & Martin, R. R., $12	Sep 23—Oct 5
Sigel, Humboldt, $1.50	Sep 20—Oct 3
Silver Circle, R. R., $1	Sep 30—Oct 18
Sonoma Ledge, R. R., $1	Oct 7—Oct 21
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Smoky Valley, Lander co., $1.50	Sep 24—Oct 8
Sierra, Genoa, $2	Oct 5—Oct 17
Stanislaus Copper, 25c	Sep 26—Oct 11
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Soledad Hill, Soledad, 50c	Oct 21—Nov 1
South Sonoma	Annual Meeting Oct 3—Austin
Santa Cruz, Lower California, $2	Nov 4—Nov 15
Table Mountain Copper, Calaveras co., $1.65	Oct 22—Nov 7*
Tallulah, Sierra, $15	Oct 15—Oct 25*
Texas, R. R., $1	Sep 12—Oct 1
Tecoripa, Hermosillo, $3	Sep 26—Oct 6
Troy, R. R., $2	Oct 10—Oct 24
Toledana, Mariposa, 25c	Aug 22—Oct 1
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Virginia, $1	Oct 31—Nov 16*
Utah, $12.50	Oct 22—Nov 14
Veatch, Lander co., $2	Oct 31—Nov 15
Walker, Lander co., 25c	Oct 29—Nov 14*
White & Murphy, Virginia, $7.50	Sep 21—Oct 4
Washoe, Gold Hill $4.50	Oct 15—Oct 26
Wide West, Alpine co., 50c	Sep 24—Oct 8
Well Partridge, Arizona, 25c	Oct 18—Oct 31
Waitt Cons., Arizona	Annual Meeting Oct 1
Whitman, Lyon co., $7.50	Oct 29—Nov 15
Williams, Alpino co., 50c	Oct 21—Nov 8
Yellow Jaoket, 11 per cent	Oct 4—Oold Hill
Yankee Blade, R. R., $5	Sep 16—Oct 3
Yuba, 50c	Oct 29—Nov 9
Zenith, Calaveras co., 50c	Sep 17—Oct 3

Those marked with an asterisk (*) are advertised in this journal.

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also — EDS. PRESS.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Mon'thly divid'd P ft.	Recent Assessments Per foot.	Total Ass'ts P ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ ——	$ 30 00		Jan 18, $5; May 31, $5.	$13 75
Baltic	1,800	1	1,800	200 00	21 00	25 00		Jan 7, $10. July 23 $0.	35 00
Bajazett and Golden Era	4,000	1	4,000	500 00	13 00	25 00		July 30, $5. Aug, 3, $5.	55 25
Best & Belcher	224	4	896	500 00	——	——		May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	60 00	61 00		Jan 19, $15; June 24 $5.	50 34
Burnside	2 800	1	2,800	500 00	——	5 00		Feb 18, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	600 00	750 00	$24		
Buckeye	3 000		2 500	100 00	12 00	13 00		June 4, $1.50, Aug 15, $2.	20 20
Bullion, G. H	2,500	1	2,500	200 00	52 00	55 00		Sept 13, $10; Sep 17, $10.	
California	300	12	3 600	300 00	——	——		July 12, $150 00	
Central	150	12	1,800	300 00	——	——		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		May 25, $3, July 12, $1½	19 50
Crown Point	300	2	736	100 00	——	600 00		Oct 13, $25.	190 00
Chas. Caney	1,800	1	1,800	30 00	——	15 00		Nov 30, $5; Mar 16. $3.	25 00
Chollar	1,400	4	5,600	800 00	650 00	890 00		Jan 25, $60, Apr 15, $50	320 00
Dancy	2,000	4	8,000	60 00	22 00	30 00		Jan 26, $12; Sept 15, $10.	68 00
Desert	2,200	1	2,200	100 00	——	——		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	3 50	4 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co.	75	16	1,200	833 00	——	550 00	$30		
Gould & Curry	1,200	4	4,800	500 00	1,280 00	1,300 00	$50		
Grass Valley	4,200	1	4,200	500 00	——	30 00		Dec 17, $3½; Mar 29, $10.	
Halo & Norcross	400	2	800	500 00	325 00	400 00		July 18, $50; Sept. 13, $50.	425 00
Imperial	184		4,000	500 00	150 00	152 00	$8	Dec 22, $12 50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	——	12 00		Nov 18, $1; July 18, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	8 00	9 00		May 11, $3; July 19, $3.	18 25
Lucerne	1,800	1	1,800	500 00	——	——		Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H	2,000	1	2,000	500 00	——	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	——	20 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G	2,100	1	2,100	500 00	50 00	51 00		Apr 9, $20; July 20, $12.	32 00
North Potosi	2,000	1	2,000	250 00	——	12 00		Jun 13, $12½; Aug 0, $12½	127 50
North American	4,100	1	4,100	300 00	32 00	50 00		Mar 23, $20; Sept 2 $2.	
North Ophir	1,600	1	1,600	500 00	105 00	200 00		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	——	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	345 00	350 00	$48		
Overman	1 200	1	1,200	500 00	——	250 00		June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	710 00	725 00		Dec 9, $50.	02 00
Porter	600	1	600	500 00	——	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	8 00	9 00	$5	Oct, Nov, Dec 18, $9.	9 00
Savage	800	1	800	2,000 00	1,400 00	1,425 00	$50		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	——	——		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	——	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	15 00	25 00		Mar 8. $5; May 10, $10.	96 00
Spanish No. 2	1,600	1	1,800	500 00	——	20 00		Mar 28, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	200 00	210 00		Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	——	——		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	——	25 00		Aug 17, $30; June 17, $30.	257 00
Yellow Jacket	1,200	1	1,200	1,000 00	580 00	600 00		July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	12 00	15 00		Feb 19, $25; Sept 14, $25.	182 50
Bamboo	500	1	600	500 00	——	——		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	——	8 00			12 25
Falls of the Clyde	6,000	1	6 000	100 00	——	——		Nov 20, 50c.	2 72
Golden Age and Empire	2,000	1	2,800	250 00	18 00	19 00	$5		
Nevada	600	2	1,200	250 00	——	——		Nov 8, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	35 00	38 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	——	8 00			8 25
Ural	400	1	400	500 00	——	——		Nov 18, $20.	
Utah	1,600	1	1,000	250 00	——	20 00		Jan 5, $3; Sept 20, $12½	19 00
Wide West	2,500	1	2,800	500 00	35 00	36 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	28,000		3,800	800 00	——	2 00		Jan 29, $1; May 11. $1.	
Josephine	9,800	2	4,800	250 00	3 00	4 00		Oct 19, $3; July 31, 50c.	12 00
San Carlos			2 800	100 00	——	——		Apr 14, $1½: June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	——	4 00		Sept 9, $2; Jan 8, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	15 00	20 00		Fly 23 2.50; Sept. 17, 2½	18 85
Sheba	1,800	2	3,600	500 00	72 00	75 00		Mar 10, $10; Aug 12, $20.	62 85

REESE RIVER DISTRICT.

Amador	1,400				——	——		May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	——	——		Jan 29, $2; May 26, $3.	8 40
Florida	800	1	800	200 00	——	——			
Oregon	800	2	1,500	300 00	——	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	——	——		Dec 8, 50c.	2 50
Whitlatch	800	2	1,200	1,000 00	——	——		May 11, $10; June 25, $5.	18 00
Willow	2,800		1,400	200 00	——	——		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	——	——			
North Star	1,000	1	1,000	500 00	——	80 00		Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	——	——			1 50
Diana	1,200	1	1,200	500 00	——	——			1 50
Blue Ledge	1,000	1	1,000	1,200 00	——	——			2 00
Joe Lane	1,000	1	1,000	500 00	——	——		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	——	——		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	——	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	——	——		Feb 10, $3C; Aug 23, $10.	150 00
Srado Guadelupe	3,000	1	3,000	1,000 00	——	——			9 00
San Marcial	13,200	1	13,200	100 00	——	25 00			
San Nicholas	1,200	1	1,200	200 00	——	——		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	——	3 00		Jan 30 $2½; Jun 16, $1½	
Fellows	2,500	1	2,500	100 00	——	——			
Melones	3,000	1	3,000	50 00	——	13 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	500 00	——	75 00		Feb 13, $10; June 8, $5.	15 00
Trinufo, L. C	7,886	1	7,886	200 00	——	25 00		June 18, $1; Aug 1, $1.	15 00

REVIEW OF THE FAIR.

843. In the northwest corner of section 25, and near the entrance to the right hand Arts' Gallery, W. T. Garratt exhibits two cases of elegantly finished brass work, from his Foundry on Market street. The articles consist of throttle valves, steam guages, steam whistles, water faucets, hose pipe. hose coupling, engine torches, etc. In durability and finish these artieles will bear comparison with any which can be produced from Eastern manufactories, and fully attest the excellence to which this branch of home industry has arrived in California. Mr. G. also exhibits a large collection of Reeves' Improved Oil Globes, for oiling cylinders, when under steam pressure. This is also a product of his foundry.

857. On a table, opposite the above display, J. Barman exhibits a lot of pottery, consisting of flowerpots, vases, etc., manufactured ust out of the city, on the San Bruno road.

679. D. Brannon also makes an exhibit of pottery, from his manufactory at San Antonio, Alameda county. The chief exhibition of Mr. B., however, is the fine display which he makes of Terra Cotta ornaments, consisting of brackets and bosses, hanging flower vases, etc. These ornaments are made from a peculiar clay known as Terra Cotta, which we understand is found in great abundance near San Antonio. This material for such work is much preferred to Plaster of Paris, or any other substance. It is durable, neat and cheap, and is fast coming into general use in this city.

246. H. Herzer, of Kearny street, exhibits a lot of crucibles, muffles, etc., on the same table. This display of pottery and its kindred manufacture, is quite sufficient to show that we have material, in the immediate neighborhood of this city, to open up a large and lucrative branch of industry, which will doubtless in time be fully improved.

794. Akin to the above we may notice several specimens of fancy work, for the writing and toilet table, manufactured from Steatite, by James Patterson, of Placerville, El Dorado county. Immense beds of this material are found in various parts of the State, which will eventually come into great demand for fire-proof and ornamental uses.

849. Another indication of a branch of industry, as yet but little thought of in this State, may be found on this table, in the shape of two baskets, made by a Chinaman, of common rattan; although any quantity of willow is found in various parts of the State which forms a most admirable article for such work. These baskets are exhibited by Mr. B. Dougherty, No. 11, Metropolitan Block; who has placed them in the Pavilion as samples of what can be done, if any encouragement is offered in that direction. The work presented is very substantial and neat. Orders for such work will be received by him, of any style or pattern which may be desired.

468. Cans and casks manufactured for the California Powder Works Company. These specimens of California workmanship are equal to anything of the kind produced in the Eastern States. The demand for them will soon be very large, and will form an important addition to our domestic industry.

13. A. G. Dexter, of 108 Kearny street, exhibits three lever door gongs, which appear to have many advantages over the ordinary door bell. They are not liable to get out of order; they give notice all over the house, by their great sonorousness. They can be modified to any degree of sound, by padding either the hammer or gong. They may also be used as a plate for the name and number. This is a California invention, for which letters patent have been applied.

780. Mr. J. O. Wright, of San Francisco, exhibits Shepard's Patent Blind Hinge and Fastener, a late Eastern invention of considerable merit and conveuience. By this invention a person may open, close or fasten in any desired position, a window blind from the inside of the room without opening the window. It can easily be applied to blinds already in use, with the ordinary fasteuings. Mr. W. holds the right for this State. He also exhibits window and curtain fastenings, of different patterns.

406. G. W. Guion exhibits two large show cases well filled with various implements of hardware and cutlery from their store, 606 Market street.

733. Caleb M. Sickler, 422 Kearny street, exhibits three cooking stoves, "Autocrat of the Kitchen," and two sizes of "Stewart's Stove," with all their furniture—each a really substantial and indispensable article of kitchen furniture.

659. A. P. Brayton, 103 and 106 Sansome street, exhibits "The Peace Maker Stove," also a very fine cylinder parlor or office stove.

389. Lock & Montague, 112 and 114 Battery street, exhibit the Good Samaritan Cooking Stove, set up in a "kitchen" neatly fitted up and fully furnished with every conceivable variety of utensil needed in such a place. This "kiteben" appears to form a great attraction for the ladies. We presume the chief portion of the articles on exhibition here are of home manufacture—at any rate they ought to be.

13. Under this number, Tay, Brooks & Backus, exhibit, among other things heretofore noticed in our columns, the only California made stove in the Pavilion. We regret that we are not able to report more progress in this branch of California industry. Immense numbers of stoves are used on this coast, and their demand is rapidly increasing. It is to be hoped that when another exhibition of this kind occurs in San Francisco, we shall be able to record, as a fact, that we are manufacturing our own stoves, and that we shall be able to make a fuller display in that branch of business. The experiment in this direction, of Messrs. Tay, Brooks & Backus, is highly creditable to them, and we trust they will soon find it to their interest to greatly enlarge that branch of their already extensive manufacture.

314. W. F. Ensign exhibits Lillie's Monitor Bank Lock. It is said of this, that it is the only bank lock in the United States that has not and cannot be picked. The curious or interested in such matters will do well to critically examine this wonderful puzzle to burglars.

312. The Russell & Erwin manufacturing company, 106 and 108 Battery street, exhibit three of Lillie's wrought and chilled Iron Safes, each elegantly and elaborately finished. The same firm also exhibits an assortment of door knobs, locks, etc.

424. In section 45, to the left of the main entrance, Henry Miller of this city, exhibits a very fine assortment of California tanned leather—calf, kip and sole, also several lengths of heavy hose for engines, and a quantity of leather belting. The large belt on the driving wheel of the steam engine in the Pavilion is of Mr. Miller's make. Mr. M. produces all kinds of leather at his establishment, for boots, shoes, belting, harness, trunks, carriage work etc.

390. G. K. Porter exhibits a number of cases of gents' boots manufactured in this city. The assortment embraces fine boots, brogans, etc. They are well made and look quite as well as the same class of articles from Eastern manufactories. This exhibition furnishes evidence of the facility we have here for supplying our home demand for this important branch of manufacture. We presume the business pays or it would not be so extensively carried on.

410, Kreitz & Cosbie, of 36 Battery street, exhibit a fine assortment of Horse Collars—horse collars for stage, buggy, team and mule. These collars are made in every desirable style of finish, and are fully equal to the best which can be imported.

451. Wm. Berney, 318 Jackson street, exhibits a machine of his invention, for filing circular saws, which saves much hand labor, and does its work far more perfectly than it can be done by the most skillful operator in the usual way. The saw is held firmly in its place, and adjusted to the file by the simplest form of mechanism. The file is made to pass over the tooth of the saw, backwards and forwards, precisely as if held in the hands, its movements being controlled by cams and cranks. The machine is driven by a crank, or it may be readily attached to any motive power.

756. Two of Tapley's patent, Self-Feeding Hand Sawing Machines, exhibited by David Dodge of this city. This machine is a simple application of the circular saw to hand power, for light shop work. It is so constructed as to feed itself by a set of revolving teeth, when its work has once been placed before the saw, thus giving the operator an opportunity, if he desires it, of using both hands to the crank. One man, or a stout boy even, can rip a two inch hardened board, or a three inch pine plank, in one third the time that would be required to perform the same work by an ordinary hand-saw.

Steven's Pressure Packing for Steam and Water Pistons. This is a recent California invention, placed on exhibition within a few days and neither catalogued or numbered. The principle on which it works is by the admission of steam into the body of the piston, which by its pressure, expands the rings steam-tight against the wall of the cylinder, and that, without producing any undue friction.

781. Leclerc's Reducer and Amalgamator, which may be seen near the DAILY FAIR PRESS, is something quite new in the way of amalgamating machinery. This machine is an upright cylindrical tub, about four feet high and eighteen inches in diameter. Within this tub, are placed, in a perpendicular shaft and at short intervals, six grinding surfaces, each with its own set of mullers, forming, in fact, a series of six small amalgamators, placed one over the other. The ore is fed in at the top, and passes down through and between the several grinding surfaces by the force of its gravity. The amalgamation and concentration takes place at the bottom of the tub, through which an upward stream of water is made to enter; the discharge of gangue being effected at a hight of several inches above the bottom.

The exhibitors of home made carriages, wagons, buggies, and carts would do credit to any workmen in the world. Some of the carriages are really elegant, and for lightness, symmetry, strength and beauty can scarcely be excelled.

401. G. P. Kimball & Co., exhibit an elegant family carriage and a trotting buggy; also a large size model of his patent goose neck truck. Mr. G. P. Kimball, individually exhibits one Park Phæton.

818. E. G. Woodside, San Francisco, exhibits a model of an improved Carriage Spring and Thoroughbrace Reliever. This seems to be an invention of some importance, and should be examined by carriage builders.

307. W. O. Willey exhibits a number of single and double carriages of very fine workmanship—on improved forms—made by W. R. Brown of this city, several of the single "Rockaways" in the list possess the novelty of being covered with prunella, an excellent substitute for leather, being tighter, less expensive, much cooler, and most excellent for its possessing the quality of not causing the dust to adhere to it, as is the case with all kinds of leather. These single "Rockaways" would be splendid affairs for members of the medical profession as they are tight, cool and aristocratic. The work on these carriages bears evidence of having been done by a master hand at the business, every detail and point being finished with the greatest accuracy. We have known Mr. Brown their builder for many years, both in this State and in Massachusetts, where he had the reputation of building the best and cheapest carriages in that state, a reputation he fully sustains in this. We commend these carriages to the special notice of gentlemen about to purchase such articles, as they are cheaper, durable, and of the most fashionable and improved forms.

233. Bath & Morrison, exhibit a Butcher's Cart of very superior make. It is presented without paint in order to show more perfectly the manner of workmanship. The heavy use to which these two wheeled vehicles are subjected by their Jehu drivers, over the rough pavements and railroad tracks of this city, renders the necesity of substantial workmanship of the first importance in their construction.

90. M. Curtis exhibits an express wagon, for carrying pianos, manufactured at his shop on Clementina street.

304. E. C. Brooks exhibits a buggy mounted upon an improved Spring which he has patented, whereby greater comfort and ease is obtained in riding, and the vehicle rendered more elastic and ornamental than by the use of the ordinary spring.

286. T. B. Lamb, San Francisco, exhibits a self-adjusting Coffee Roaster, a very simple and ingenious contrivance for performing the tedious operation of roasting coffee. The coffee is placed in a longitudinal cylinder, constructed of wire cloth, and hung upon two bearings. To one end of the cylinder is attached a clockwork piece of machinery, which on being wound up, turns the cylinder gradually, so that when placed over the fire or a hot stove, the coffee is gradually roasted, without any further attention. A California invention.

621. S. D. Simmons, of San Francisco exhibits an egg and cake beater of his own invention. It consists of a frame on which two cog wheels are mounted, to one of which a wire beater, like that ordinarily used, is attached by one end, in such a position that the opposite end, is made to work in any ordinary dish with precisely the same motion that is given to it when worked by hand.

623. Thomas Kendall, of San Francisco, exhibits an improved mining riffle of his invention, constructed in the form of an ordinary sluice, the joints of which are so arranged, when in operation, there is an opening in the joint through which any substance such as gold, amalgam or quicksilver would drop into a pocket beneath the sluice, while the water and earthy or lighter particles must pass on with the current. We are not aware how the principle works in practice, but it certainly appears to be valuable. It is inexpensive and can be arranged by any miner who can make a sluice box.

The same party exhibits two sheet iron mining pans, of his own invention, which are so constructed that they can be used with perfect freedom, and without any fear of a loss of quicksilver. The lighter portions or earthy matter may be freely worked off, but after the pan is washed down close it would be next to an impossibility, without design, to throw over any quicksilver. The only thing that suggests itself to our mind is how the miner is to get the quicksilver out when he desires to do so. The principle of the construction is a false side to the pan, closed at the top or side and open at the angle which forms the bottom, so that when the pan is turned up, the quicksilver and amalgam hides itself beneath this false side.

495. Conroy & O'Connor exhibit one of Doyle's Patent Pulley Blocks, by which a man can hoist 1,000 pounds with ease. This invention appears to attract considerable attention, from the fact that the weight raised will remain suspended at any required point, and cannot by any possibility "run down," unless assisted to do so. This is a most novel and invaluable principle, and is acquired by a system of balances connected within the block itself and its ingenious toothed connection with the chain. Lifting and lowering are effected by pulling at opposite sides of the slack chain. This pulley is being very generally introduced in warehouses, foundries, and all other places throughout the Eastern States where it is required to raise heavy weights.

338. J. B. Hamma, of this city, makes a fine exhibition of snuff and tobacco, manufactured by him from California grown staple, which he says requires only age to render it equal to the best imported. He has been engaged in the manufacture about two years, and says that although it finds a ready sale at the retail shops, he finds it very difficult to introduce it into the wholesale trade. It is the opinion of Mr. H. that when the culture of tobacco is better understood in the State, and prices of the raw material held at lower rates, its manufacture will reach considerable importance.

441. R. F. Gelien, of this city, exhibits seventeen cans California grown tobacco, six of which are the natural leaf, and the balance manufactured into various forms for smoking and chewing. Mr. G. is a wholesale manufacturer. He used up 40,000 pounds in 1863, and will require a much larger supply for the present year. The principal demand is for plug, which brings 45 to 65 cents per pound. It commands about five cents more than the best Eastern article.

670. W. D. Ront, nf this city, exhibits a Tire Upsetter and Puncher cnmhined, and worked by a toggle lever. Thn ndditinn of tho punch, which is quite a powerful nne, makes the machino perform a double service.

616. Van Winkle & Duncan, nf Sacramento, exhibit a Tire Upsetting machiue, which is nperated by a prngressive lever.

Ira D. Card, of this city, entered too late for the catalogue, a Tiro Upsetter to which the the power is applied by a toggle joint and lever. This is a California invention, patented by Mr. Card. These tiro upsetting machines effect a great saving of labor, and it is a matter nf no inconsiderable surprise thut sn few nf nur machinists and blacksmiths nvail themselves nf their advantuges. By one of these nsoful machines, a tire four by nne inch in size, can be upset one quarter of an inch at one heat Carriage nxles, or any piece nf iron of similar size, can he shortened in the same manner, and at less than ono quarter nf tbe nsual time and expenso that would be necessary without the use of these machines.

206. W. W. Dunn, San Francisco, exhibits a Rock Drilling Machine, tho only one on exhibition, and a California invention. It is a mntter of no little surprise to many, that while rock horing machines have heen for a long time in successful nperation in nther parts nf the world, no one has had the enterprise to pat them to a practical test in California where, above all other places, ono would suppose they would be of thn greatest service. There are two of these machines in this city, operated upon different principles, either of which, we holieve, are quito as effective, if not mnre so, than those which for several years past have been doing such good service at tho Mount Cenis tunnel in the Alps. Will not some one of our wealthy and enterprising mining companies, take one of these machines, and give it a test? The cost would he trifling, whilo if it proved a success, the benefits that would accrne to the miuing interest will be estimated by the millions. Neitber of the parties owaing the machines are mine owners, or have the means at ready command to give them a fair trial.

443. D. L. Perkins, of Onkland, the pioneer soed grower of California, exbibits 101 varieties of seeds, of his own raising. Mr. P. is prohably the most extensive seed grower in America. He raised ten tons of seed last year. He has been in the business some six years; eame to this country from the Shaker settlement at Canterberry, N. H., where he was for a long ime head gardener. Mr. Perkins makes this nnrtment of agricnltnre a speciality. His ss1s are always what they pretend to be, and ar'ecured and put up in the best and most appved manner.

67 J. R. Nickerson, of Lincoln, who exhibits large variety of natural fruit, has also nnteresveral packnges of dried fruit. His exhibiti of this speciality would havo been larger, bu ne of his boxes containing dried fruit was in its transit to this city. This we believe, the only exhibition of dried fruit at the Pavil—a matter to be regretted from the fact, tha, evinces the bestowment of quite too lit attention to so important a branch of indu. Large quantities of dried fruits are cons d in California. For the first ten years o r existence as a State the nnly dried fruit u here was necessarily imported, but now, w our gardens and ranches abound with the t fruit in the world, and we enjoy the cleares d finest atmosphere for drying in the worl nere is no reasoa why we may not becom porters instend of importers nf tbis artic .

Catalogue of the I —We have received from Dewey & Co., pu rs, a copy of their newly issued *Descri Catalogue of the Fourth Industrial Fair he Mechanics' Institute*, a pamphlet of tes. It is published by authority of the ute, and is conveniently classified. The ber of entries given is upwards of 800 perhaps a few more have been made since printed. The number of a atalogue was Gallery is 925, of which up in the Art paintings, drawings, sketches, of 700 are otographs. —*Evening Bulletin.*

A NEW EXCAVATOR.

In section No. 14, Mr. Barker nf this city, exhibits a neatly constructed model of a new steam excavator and ditcher, of his invention, which appears to merit some especial attention. This machine is designed more particularly for work in our large river valleys; and if a large machine could he constructed, of full working capacity for, say 25-hor-e steam power, we can but think it would prove of great value in reclaiming large tracts of land, now worthless from winter overflows. It is claimed by the inventor, and with a good show of reason, that a machine of that power will perform the work of 150 men, at an expenso not exceeding $25 per day. It will work in any of our river bottom lands, where the soil consists of loam, clay or sand, a description of soil which answers to the chief part nf the land in the state which requires leveeing.

The frame of the machine is constructed much after the manner of an ordinary platform railroad car, moves npon four wheels, with a plowshare preceding each forward wheel, and a gang of plows attached to the frame and following the rear of the machine. The after plows are set, *en echelon*, and their duty is to turn up a furrow, and carry the same, the one to the other, towards the right hand side of the machine where it is deposited in the form of a ridge. On the right hand side of the machine, about midway, is set a large shovel worked by two cranks which shovel up the earth from this ridge, and toss it up and outwards in such a manner that by two or three passes of tho machine along a given track, a large ditch will be formed beneath it, into which it settles as it works, while the earth is thrown ont upon the right hand side in the form of an embankment or levee. The working portions of the machine are extremely simple, much more so than the machinery of the "steam paddy," and judging from what that machine accomplishes there does not appear to be any question but that the principle of this machine is perfectly correct, and if properly built would accomplish all that is claimed for it. Its simplicity will readily enable it to be managed by any ordinary mechanic who understands steam. Its construction is entirely within the means of our mechanics; it may be easily kept in order; with the exception of the shovel there can be but little wear attending its use; it can be worked on suitable land at almost any season of the year. The slight inequalities of the valley lands will prove no bar whatever to its use. In fact, it may be employed in any place where a furrow can he turned by an ordinary plow.

The employment of this machine is a direct substitution of steam power, the cheapest of all locomotive powers, for human power, the most expensive. We would call the especial attention of mechanics, ranchmen and all others interested, to this novel and interesting invention—another evidence of the progressive genius of California inventors.

A Sad State.—The Reese River *Reveille* says: The bodies of Francisco Flores and Rafael, a portion of the party who started out on an exploring expedition some three months ago, only one of whom escaped, an account of which we published, were found two weeks since about one hundred and ninety miles south of here. The bodies were entirely dried up, and there is no doubt but that they died of actual starvation. They were well known in this county, and one of them was the discoverer of the San Antonio District.

State Agricultural Society. — We acknowledge the reception of a complimentary ticket to the 11th annual Fair of the State Agricultural Society, to be held at Sacramento, October 17, 1864; also a neatly bound volume containing the transactions of the Society for 1863.

Sueing for Damages.—It is stated in a Solano county paper that a person named Pollock has commenced suit against the steamer Washoe for damages, for injuries received by the late explosion, and Deputy Sheriff Apgar on Thursday last attached the hull nf the ill-fated steamer.

CALIFORNIA MANUFACTURED WIRE AND WIRE ROPE.

We have incidentally referred to Hallidie's wire rope, in our review of the contents of the Pavilion of the Mechanics' Fair, but feel confident that further particulars of this important branch of our local manufactures will not be without interest to the readers of the Press.

The machine for the manufacture of wire rope and submarine telegraph cables, exhibited by A. S. Hallidie & Co., presents features entirely new, the arrangement of the bobbins containing the wire, being such that they have no motion other than that of unwinding. In the latest improved machine in use, the bobbins whirl around a center bobbin with a velocity so great that it is impossible to examine the them while in motion, and consequently the danger from forcing of the wire or disarrangement of the machinery is very great; this is entirely obviated in Mr. Hallidie's improved machine, as nothing but a light frame containing the bobbins and wire revolve, while the bobbins themselves can he examined at any time while the machine is in most rapid motion; the diameter of this frame is infinitely smaller than the diameter formed by the revolving bobbins in the ordinary machine, consequently there is less loss from atmospheric resistance.

The machine exhibited runs with a rapidity of 500 revolutions per minute, and at this velocity a boy can turn it; it will manufacturing 10,000 yards of strand per day; and it does its work complete and perfect, laying up the strand, measuring while working, and coiling up when made; the peculiar motion of the wires being lifted one over the other, and not being individually twisted around one another, is better understood by examination than could he by description.

The machine on exhibition sits on a frame 25 by 3 feet, is the smallest sized used by this firm, and was manufactured here under the direction of the inventor, Mr. Hallidie. They have machines of different classes capable of manufacturing wire and wire rope of all sizes to six inches in circumference, but this one they find the most successful and effective of any employed.

The manufacture of wire rope, important as it is, becomes still more important, when the material from which it is made is also manufactured here. This enterprising firm bave lately completed works for the manufacture of wire of all kinds, and they now furnish themselves with all the wire they use in their ropes. It will bo seen at once that this is an important item to the consumers of wire as they furnish at their mill an article free from rust or tarnish, and of any guage required; the loss from rust in importing wire being very great, and the finer the wire the greater the danger from this cause. Messrs. Hallidie & Co., employ in their business over sixty different kinds of wire. To keep a stock of so many sizes is impossible, the market being so remote they often run out in spite of all vigilance. Apart from their necessities, the erection of a wire mill is an important feature in our manufactures, and is one more assurance that we shall eventually be independent of importers in this connection, and for the good of the country we say God speed the day.

Tho samples of iron, copper and brass wire drawn at this firm's mill, is infinitely superior to any imported. Parties can see the difference by examination, as they have made articles and placed along side of wire imported from Massachusetts, England and Germany.

A New Thing in Manufactures.—Until very recently the art of weaving colored figures in silk fabrics has been entirely unknown among our domestic artisans. An enterprising firm in the East have, however, taken the initiative step in introducing the secret into the American manufactures. A few samples have reached this Coast in the form of Lincoln badges, with the portrait of the President woven in the fabric so perfectly that the picture looks like the print of a steel or wood engraving. The French, who have hitherto supplied us with this class of articles, will soon find formidable rivals on this side of the water.

Fully Due.—The steamer iron-clad gunboat Waterce, is now fully due and may he expected in the harbor at any hour.

MINING MACHINERY AT THE FAIR.

In our remarks on this important branch of the exhibition at the Mechanics' Fair, we unintentionally omitted to make as full a notice of the Novelty Works, a small portable prospecting quartz mill and amalgamator, as its very interesting and useful character so well deserved. This small institution in the presence of all who desire to see it, takes the ore from the pile, crushes, grinds and amalgamates it, while its proprietors, Messrs. Hopkins & Johnson, retort the product and make it into a bar of Bullion, we saw them take some very large masses of amalgam from their amalgamator, one weighing nearly 160 oz. from 475 lbs of rock taken from the Ella Frances claim at Aurora, and another of 171 ozs. from 94 lbs of rock taken from the Hope claim, Eagan Canon, Nevada Territory. If this little machine will effect so much, what will a large one of the same pattern not he able to do. This one at the Fair is but a mere toy, being capable of operating upon only about 100 lbs. We understand the proprietors of this most efficient machine are having one made capable of operating on 2,000 pounds of ore at a single charge. If this charge should happen to he of the Hope claim, it would require a good sized mule to pack off the bullion. These machines, the invention of Mr. Hopkins, a young mechanic of our own community, are not excelled by any in point of simplicity of construction, durability, and rapidity with which they perform their work of crushing, grinding and amalgamating.

The peculiarity of Hopkins' amalgamator consists in its being formed of a cylindrical case placed horizontally on legs, lined with plates or dies, which perform the operation of grinding, and which are very easily replaced when worn out. The muller may he described as an oblong section of a cylinder set obliquely on a shaft, extending the entire length of the cylinder. This muller is also covered with plates or shoes readily replaced whenever worn out. This shaft revolves in close fitting metallic boxes, also, an invention of Mr. Hopkins, a very important improvement, as it permits the mullers to obtain a certain amount of vertical play and keeps the pressure on the pulp the same at all points. The motion of this peculiar shaped muller imparts three distinct motions to the pulp and secures its thorough grinding. We strongly recommend all parties connected with mines and mills to examine Hopkins' Novelty Quartz Mill at the Fair.

Our New Sign.—Our neighbor of the *Flag* makes the following pretty notice of the new sign which we put up on Saturday last, over our Press at the Pavilion:—

The Proprietors of *The Daily Fair Press* have made quite an addition to their printing office in the Fair, by putting up a superb sign, painted by Mr. Mansell, on which are emblematical figures descriptive of the scientific character of the paper, drawn exceedingly well, and painted in colors. The name of the paper being painted in a peculiar text scroll letter, shaded to perfection.

A Descriptive Catalogue of the Mechanics' Fair is issued by Messrs. Dewey & Co., publishers of the *Scientific Press*. It is a well printed pamphlet of seventy-eight pages and presents a diagram of the Pavilion, and carefully prepared lists of the Exhibitors and all the articles of the Great Exposition.—*Golden Era.*

The London correspondent of the Philadelphia *Inquirer* says the unprecedented emigration to the United States is draining the British empire of the bone and sinew of the land. Manufacturers are beginning to tremble lest they will be unable to find hands to do work in their mills when they re-open them, and even farmers already lack common day laborers.

Another Dividend-Paying Copper Company.—The Laneba Plana Copper Mining Company, of Calaveras county, has declared a dividend of $87.50 per share on its capital stock, the proceeds of its first shipment of ore from its mine to New York. The ore yielded $66 per ton, and the average of the ore in the mine is from 14 to 20 per cent. Another shipment of ore, still better, prepared for market, is now at Stockton, and will go forward to New York without delay.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. P. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventors can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

San Francisco:
Saturday Morning, Oct. 1, 1864.

☞ The Editors of the MECHANICS' FAIR DAILY PRESS assume no responsibility for the opinions expressed *over any mark or signature* in its columns. ☜

ESMERALDA CORRESPONDENCE.—We have received a tort communication from Aurora, touching the prospects of some claims and the management — or rather mismanagement of others, which we shall publish over the author's own signature next week.

ON OUR REGULAR BEAT AGAIN.—If any readers in the interior have become wearied by our continued reports of the Industrial Fair, we can assare them that after this week we shall resume oar usual variety of miscellaneous reading. The Exhibition all will admit has been a great and successful event to the State. To the proprietors of the MINING AND SCIENTIFIC PRESS it has proved expensive but highly beneficial, in the matter of increasing the importance of our journal and extending its reputation.

PROFESSOR J. D. WHITNEY, the State Geologist of California, has communicated a statement in regard to the Geological Sarvey of this State, to the *American Journal of Science* for September, which we will notice in our next issue. One item of great scientific interest, is his determination of the age of the gold-bearing rocks. He states, "while we are fully justified in saying that a large portion of the auriferous rocks of California consists of metamorphic triassic and jurassic strata, we have not a particle of evidence to uphold the theory that has been so often maintained, that all, or even a portion of the auriferous slates are older than the carboniferous; not a trace of a Devonian or Lilurian fossil ever having been discovered in California, or indeed anywhere to the west of the 116th meridian."

He states also that "the facts collected by this survey, when fully laid before the public, will justify the assertion that the mastodon and elephant, whose remains are so widely and abundantly distributed through California, have been contemporaneous with man in that region."

The late date at which this article has been received, prevents our noticing it more fully in this issue.

HAIR WORK.—One of the most attractive features in the Art Gallery of the Pavilion, is the fine display of hair work, formed into beautiful boquets and wreaths by the skillful and patient hand of woman; how provident and thoughtful! When the paint and canvass shall have crumbled into dust, and the almost speaking and imperishable marble shall have grown dingy and dim, these beautiful memeatos will remain untouched by the hand of time. We notice one of the most elaborately wrought specimens of this art is the one placed upon exhibition by Mrs. M. E. Woods, of this city, inclosed in a fine gilt oval frame, wrought into a wreath and basket boquet, showing the rose, the lilly, the tulip, and the blossom and fruit of the blackberry, and composed of the gray hairs of the grandsires long since departed, as well as that of the child, the youth and the middle aged, all commingled and interwoven into one imperishable wreath, to be handed down as an heirloom of the family tree.

EASTERN FINANCES.

The arrival of the steamer on Thursday, places us in possession of Eastern commercial advices to the 3d inst. per mail. The political situation of the hour at that date, promised to assume greater importance and more mysterious significance with the increasing agitation on the subject, rumors of peace and an early settlement of our national difficulties were freely circulated and discussed by all classes. The question of an armistice was already beginning to exert an influence in financial and commercial circles, and a rapid decline in gold and in the prices of all other commodities was predicted. There was no disposition showu in any quarter to commence new combinations for an advance. Stocks (other than Goverament) were all drooping, in spite of an easy money market, and lower prices were anticipated. We must remember, however, that in Wall street, the future is always being discounted, and coming events cast their shadows so long before, that the substance is sometimes finally lost sight of, while very often the shadow is very often a delusion and a snare. To add to the unsettled feeling produced by the agitation of reports leading to a cessation of hostilities, a rumor prevailed that the Secretary of the Treasury would soon place a new loan upon the market, which might for the time being, bring about contraction and curtailment when least expected. The sluggish ease of the money market was indicated by the bank statements. The common rate for loans was still 7 per cent., with occasional exceptions at 6 per cent. per annum. First class commercial paper was discounted at these rates, and ordinary at 8@9.

ABOUT CARPETS.—If you intend purchasing a carpet at any time during the approaching season, call into the establishment of Mr. WM. M. HIXON, on Clay street, when you are passing down from the Plaza, and examine his stock. Drop in at any time, as it makes no difference whether you are prepared to purchase immediately or not, you will have an equal facility of viewing the goods, and receiving courteous civility. It is well in selecting a carpet to see the various samples at different times, in order to fix upon such a pattern as will most permanently suit you best, and when a correct choice is made, the longer you use that carpet the more fondness you will have for it. Always remember, no matter what you are buying, that a good article which harmonizes with your taste is cheaper at a full rate than one you half dislike of poorer quality at half price. There is no more deceptive article in the market than carpeting, and many cheap patterns which at first look bright and of good weight are utterly worthless. In a well established house, in a central and permaneat location, like Mr. Hixon's, policy alone would dictate the exclusion of this latter material; and we assure our friends they may always rest satisfied of obtaining a good article at a reasonable figure at Nos. 606 and 608 Clay street.

CALIFORNIA ORNAMENTATION.—Few branches of the mechanical arts in the State have made more rapid and elaborate progress than the manufacture of California jewelry. The gaudy tinselry which has been manufactured by the bushel in the Atlantic States, until it has filled the civilized, as well as the uncivilized world, and become an eye-sore, as well as an ear-sore, to those who beheld it, as well as those who wore it, has been almost discarded from our market, while new and beautiful designs made from California gold and silver have taken the place of this stuff.

We notice among the most enterprising manufacturing jewellers of this city, the Messrs. Joseph Brothers, 607 Montgomery street. At their store can be found a beautiful and varied assortment of jewelry, with new designs pre-eminently of their own, together with diamonds and pearls. The Messrs. Joseph Brothers are, we believe, the only authorized agents of the celebrated Bohm's Ladies' Buckle, a California invention. These buckles are being adopted by ladies all over the civilized world.

THE FIRST SILVER BULLION FROM LOWER CALIFORNIA.

By the steamer John L. Stephens, from Mexico, which arrived a few days since, there came up from the works of the Triunfo gold and silver mining company thirteen bars of silver, weighing in the aggregate about 3,250 ounces, and of an average fineness of 914-1000, and their value $3,821. This is an interesting circumstance, from the fact of their being the first bars of silver ever melted in that country. There was much doubt expressed of the ability of the company to work the ores there, as nearly all the ores of the peninsula are what are called "rebellious," or, as the Mexicans call them, "*metal de fuego*," which have to be roasted, requiring skillful and scientific treatment. The company commenced work on their mine more than a year ago, having small lots of ore worked in this city, from time to time, to practically test the value of their mines. The great richness of the ore, together with the enormous expense attendant on having their ores treated in San Francisco, induced them to erect works of their own at the mines. They have just completed a fine ten stamp mill and four large roasting furnaces; they use the barrel or Freiburg process. This present result is mainly due to the energy and skill of Mr. Brooks, the secretary of the company, who is now down there, assisted by Mr. Youngjohaan, who is a graduate of the Saxony school of mines, and of course understands the Freiburg process thoroughly. This shipment of bullion is the yield of about forty-five tons of ore. Regular shipments of bullion are expected from this mine for the future. It is worthy of remark that no gold is found in the metal. This company has expended less than $90,000 since their commeacement, and every dollar of it has been judiciously and honestly laid out—where the shareholders can see the benefit of it. Mr. Flint, the President of the company, is indefatigable in his attention to its interests; and the best proof of the confidence of the shareholders in the good management of the affairs of the company is that at their annual meeting the entire board of trustees were unanimously re-elected.

HIGHTH OF VANDALISM.—Some miserable scamp has twice entered the skating pond saloon and out of sheer desire to do mischief, has persisted in turning the crank upon which those little automatic figures revolve, so violently as nearly to destroy them. This wretch should be sacked and with a pair of huge galvanized iron tongs, tumbled from one end of the Pavilion to the other, and dropped out of the *back door*.

A NEWLY INVENTED COFFEE STRAINER.—Schuster Brothers, No. 102 Kearny street, have just invented one of the most ingenious and efficient coffee strainers that has come under our notice. It is exceedingly simple in construction, but most effective in use, making the coffee as clear as brandy, without depriving it of any of its aroma, as is usually the case with coffee strainers. We commend to the notice of lovers of good coffee this new invention of Schuster Brothers, for which they are about to take out a patent, through our agency.

CORRECTION.—In the notice of Capt. Harrison's Pump, in our issue of yesterday, we spoke of its raising "a continuous stream of water 24 inches wide by 6 deep;" we should have written 25 by 7½—a slight difference of nearly one-third. We would further call attention to an important fact in connection with this pump, that the invention is something quite original, an application of an entirely new principle to the operation of pumps, as will be seen by examining the sectional illustration given in this paper. This pump has neither valves nor packing, yet it is both a suction and force pump.

A grand promenade concert and ball will be given by the Institute on Friday evening, October 9th, commencing at nine o'clock. The programme will be announced to the public in a few days. Tickets, admitting a single person, one dollar, which can be procured at the principal stores and hotels.

[From The Daily Fair Press of September 30.]

We condense the following from this morning's dispatches to the *Alta*:—

There are strong indications of another general movement of the Army of the Potomac. Gen. Ord's corps made an advance yesterday along the north bank of the Potomac, capturing 15 cannon, 300 prisoners and some strong fortifications. Birney also made a successful advance and was "on the road to Richmond" at last accounts. Lee has evidently been weakening his lines to help Early. Other important movements may be looked for at any hour.

Sheridan is still "marching on," driving the enemy before him. He has captured Staunton and Waynesboro. Deserters report that preparations are evidently being made to evacuate Richmond.

Jeff. Davis has gone to Georgia to look after the critical state of affairs in that region. Desperate efforts are being made to break Sherman's communications; but government feels no apprehensions of anything serious.

Forrest's raid into Tennessee has been suddenly checked by the activity of the Union troops.

In Missouri a large force of the enemy endenvored to take Shepard's Mountain, near Pilot Knob, by assault. The Union General Ewing met them gallantly, and drove them back with a loss of 1,500 killed and wouaded. Among the killed was the rebel General in command. General E., however, not feeling strong enough to hold his position against the reinforcements which might be brought up, subsequently evacuated the port and blew up the magazine. The Union forces in Missouri are concentrating preparatory to strike a crushing blow upon the rebel raiders.

This evening's dispatches to the *Bulletin* give further confirmation of the glorious news of the morning. Much activity is manifested in military matters both in Virginia and Missouri. Nothing decisive, however, has transpired later than what was given in this morning's dispatches.

Accident to the Chrysopolis.

Telegraphic dispatches to the *Bulletin* state that the steamer Chrysopolis run upon a snag on her up trip, about 2 o'clock this morning, just after leaving Steamboat Slough, and stove a large hole in her planking just abreast the pantry door. In spite of every effort to stop the leak, the water poured in with such force that when she got about a mile above Freeport she had to be run on the flats.

The latest accounts were that the water was over the tops of the seats in the dining cabin and still gaining, in spite of the pumps. The steamers were dispatched from Sacramento her assistance. The down passengers to-night, will be taken by a steamer to connect with the Stockton boat.

IN AID OF THE SUFFERERS.—The adjourned meeting in aid of the sufferers in the lower counties met at the Chamber of the Board of Supervisors last evening. Messrs. W. E. Lovett and W. J. Shaw were appointed a committee to visit the counties where the destitution prevails, enquire into the extent and character of the distress and report the earliest practical moment. A large number of gentlemen were appointed to act as permanent Relief Committee. A committee was appointed to visit the principle business houses in the city, with drays to solicit contributions of groceries, vegetables, etc.

F. J. Maguire, County Judge of Santa Barbara, Rev. James Vila and Mr. Shaw were requested to act as temporary distributing agents for the supplies forwarded to their several localities by the steamer Senator. A large amount of provisions have been collected, and they are still coming in. The permanent relief Committee will meet in this evening at the Chamber of the Board of Supervisors.

The receipts from the skating pond, yesterday, amounted to $25; from exhibition of mammoth cheese, $1, $12 25. Sanitary Fund chairman at door of the Pavilion yesterday were nearly $10.

Favorable to inventors.—Persons holding new important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS without charge, if in our judgment the merit, and of sufficient interest to our readers to warrant discovery is one publication.

THE MINERS' FOUNDRY.

This is one of the most popular and most extensive foundry establishments in the State. Though its establishment is of quite recent date, the works have already assumed very large proportions. Extensive additions have been made to the buildings during the past season. A large addition has been made to the eastern end of the building, the upper portion of which has been fitted up for an additional pattern shop. A new moulding room has also been added. This firm employs 150 to 175 hands and consumes about seven tons of pig iron and one of bar iron per day. Up to the close of last winter they had for some time manufactured on an average one of Wheeler's pans per day.

This establishment is now overcrowded with work, mostly of a very heavy character. Among the work now in progress we noticed a 40-stamp quartz mill, which they are constructing for an English company located on the Truckee river. This mill is to be driven by a huge water overshot wheel, 21 feet in diameter and 28 feet breast. Twenty-four Wheeler pans are to be connected with the stamps. They are also constructing a mill for the Corderilla Company, Mexico, which will run ten stamps and use Wheeler's pans. They are also at work upon a 15 stamp mill for Mr. Joseph Woodworth, of this city, which is to be placed upon the Osborn Hill lead at Grass Valley, which mine he has recently purchased. This mill is to employ the dry crushing process of Wheeler & Hotulling, and will use Prof. Ryerson's Superheated Steam Process for amalgamating. They are also preparing pumping and hoisting works for a New York company, whose mine is located in Arizona Territory.

The heaviest and most important piece of work, however, on which they are engaged is the huge Steam Pump, for the Gold Hill Drainage Company. This pump will be driven by a cylinder 40 inches in diameter and 12 feet stroke. This huge cylinder will be placed endwise, directly over the mouth of the shaft. From the top, and connected with the piston rod, will extend three arms or lifters, which will work the same number of pumps, placed at intervals around the circumference of the shaft. The barrels for these pumps are now being cast at the Miners' Foundry, where the cylinder is also being prepared. The barrels are twelve feet long, corresponding to the cylinder, and of ten inches bore. One of them is now in the lathe. The casting is two inches thick of iron. It is calculated that these pumps will raise 500 gallons per minute, and will be able to drain the mine to a depth of 1,500 feet. Altogether the Miners' Foundry is a complete establishment, creditable alike to its proprietors and the city.

Among the specialities of the manufacturer of this foundry is Howland's Cylinder Amalgamator, which differs essentially from all others in use, and is in reality an improvement on the Freiberg Barrel, doing the work of that celebrated machine with greater celerity and, it is thought, more effectually. We give herewith an illustration of this machine. It is to be regretted that Mr. Howland did not put one of these amalgators in the Pavilion, where it would undoubtedly have attracted much attention.

THE CAMANCHE.—The laborers on the Camanche are now putting on the immense plates of outside armor, and the deck is nearly or quite timbered over. It is proposed to launch her in November next, and some of the Sanitary Commission people are canvassing the propriety of erecting a great ampitheatre to accommodate those who are willing to pay to see the operation.

LEASED.—We understand that the Executive Committee of the Mechanics' Institute have leased the Pavilion to the State Central Union Committee, for the sum of $2,000, from the close of the exhibition until after the Presidential Election. The Committee reserve the use of the Pavilion for the Grand Promenade Ball of the Institute, on the 8th of October, and for a Ball to be given by the Masonic Board of Relief on the 15th of October.

LEATHER AND ITS MANUFACTURES.

We presume very few of our citizens, previous to the opening of the Mechanics' Fair, had any adequate conception of the extent and importance of the leather production of California, and its manufactures. Twenty different entries have been made in this speciality, embracing nearly every variety of manufacture into which leather enters as a chief component. In our daily issue of the 26th inst., we made some brief illusions to several entries under this head.

The county of Santa Cruz, we believe, took the initiative in the manufacture of leather in California, and for a long time the article produced by her tanneries was the only really serviceable leather made in the State. Experience has proved that the live oak of the plains is not adapted to this manufacture, and recourse is now had, almost entirely, to the bark of the mountain oak, which has been proved to compahlo of making as good leather as can be made at the Eastern tanneries. Some varieties of mountain oak found in the Coast Range are found to operate fully as well as that obtained from the flank of the Sierra Nevada. Large quantities of bark are also obtained from the vicinity of Madera creek, some ten miles from the State Prison, in Marin county, for the Stockton tanneries, which is said to possess very superior chemical properties for his use. This bark is stripped from the trees immediately after they are felled, to preserve as much as possible its juicee.

We have no means of knowing the number of tanneries in the State, but judging from the amount of leather that is now consumed by our manufactures in that line there must be a large number. The progress of this manufacture has been slow, and was attended, at first by many failures. Experience, however, has taught us much in this matter which will be of good service to the State hereafter. Every particle of information on this and kindred enbjects is of great value, and we should be pleased to hear from any one who has made the business of tanning in this State a matter of careful study. The exhibition of the Mechanics' Institute will doubtless do much for the benefit of this as well as many other branches of industry, in collecting and diffusing information and laying open to our citizens and capitalists, new and valuable branches of industry. Every effort to stimulate manufactures in this State should be countenanced and encouraged by our prominent moneyed men. Manufacturing institutions are the great want of the State at the present time. They will do for us what veins of silver and gold never will. They will encourage and build up permanent communities, and furnish a regular and constant demand for labor, which many, who have become disheartened or disgusted with mining operations, will go abroad, to find if it is not furnished them here. That happy combination of mining, manufactures and agriculture, which is within the ready grasp of California, will lay for us a more sure foundation for a great and prosperous State, than any other people have had presented to them, since civilization began. Let us not neglect this more than golden opportunity.

MONDAY'S BENEFIT AT THE PAVILION.—The Exhibition of the Mechanics' Institute closes on Saturday evening, at which time the season tickets for admission thereto will expire. The managers of the Institute have generously resolved to open the Pavilion on Monday for the benefit of the sufferers by famine in the lower counties, and all the employees and the band have promptly tendered their services free for that occasion.

Notice of Dividend.—Office Crescent Quartz Mining Company, Indian Valley, Plumas County, California, Sept. 20, 1864.

At a meeting of the Board of Trustees of the Crescent Quartz Mining Company, held this day, a Dividend of Fifty Dollars per share was duly declared, payable October 1st, 1864, at the office of I. GLAZIER & BROTHER, 311 Clay street, San Francisco, or at the office of the company, Indian Valley, Plumas county, California.

14w2 d-I W. A. BOLINGER, Secretary.

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

USE OF THE WASTE STEAM OF LOCOMOTIVES. In France, the waste steam from the engine, instead of being allowed to escape into the air, is conducted from the escape pipe by means of a vulcanized India rubber tube, to copper pipes, through which it circulates under the seats and flooring of the cars. As soon as the train is set in motion, the steam begins to circulate through the pipes, and warms the cars, first, second and third class equally, and being connected with each other by India rubber tubing, they can be immediately detached or reunited at pleasure. In a trial of this plan on the Lyons line, two thermometers placed in first-class cars, marked sixty degrees Fahrenheit during the whole journey; and in the second and third-class cars also, the temperature was found to be sufficiently elevated to allow of the longest winter's journey being accomplished without discomfort to the travelers.

A THREE YEAR OLD SQUASH.—Just under the music gallery, at the Pavilion, and resting against the column which supports the winding staircase to the gallery, may be seen a very unpretending looking vegetable, known as the "Custard Squash." This squash was raised in 1861, and is consequently now three years old, and looks as though it might continue sound and healthy for an entire decade. A lady who was sitting near it assured us, of her own knowledge, that an excellent custard pie could be made from it, *without eggs*. Mr. D. L. Perkins, of Oakland, who raised it on his ranch, also claims for it the same excellence.

On the line of the Atlantic and Grand Western Railway, near Wooster, Ohio, the embankment and track lately disappeared in a most mysterious manner. Upon examination it was found that about a hundred feet of the road had sunk, and was continuing to sink, while into the cavity formed black mud, and heavy steams of water gushed from below. With the water there were thrown up a number of eyeless fish, still living. The sink is one of great depth, and considerable difficulty will be experienced in filling it.

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDES, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,
Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

MINING COMPANIES and others connected with the Mining interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

When we are Sick.

It is now an established fact, that three or four of Brandreth's Pills are always beneficial, especially when we have a cough or cold; and in bilious and liver diseases their good effects are beyond all praise. When we feel weary, and out of love with ourselves and the world, one or two portions of four or five pills each, will restore our health and good spirits, because they purify the blood. Sold by all Druggists.

Allcock's Porous Plasters

Resolve and assuage pain by calling forth the acrid humors from parts internal, to the skin and general circulation. Thus, in many cases, positively evaporating the disease. Sold by all Druggists. JAMES LULL, M. D.

A MAGNIFICENT
LITHOGRAPHIC VIEW
OF THE
Mechanics' Fair Pavilion.
PUBLISHED AND SOLD BY
DEWEY & CO.,
GEORGE H. BAKER, Artist.

At the office of the "Mechanics' Fair Daily Press," entrance nave of the Pavilion, and at the office of the Mining and Scientific Press, corner of Washington & Sansome streets.

☞ *READ WHAT OTHERS SAY OF IT.* ☜

MECHANICS' FAIR PAVILION.—We have received from Dewey & Co., Patent Agents and publishers of the SCIENTIFIC PRESS, Government House, corner of Washington and Sansome streets, a finely executed lithographic view of the Mechanics' Industrial Fair Pavilion, on Union Square. The picture is mathematically correct in proportion, and will be valuable hereafter as a souvenir of the greatest industrial exhibition ever held in our city.—"Daily Alta."

We are indebted to the publishers of the MINING AND SCIENTIFIC PRESS for a copy of a very excellent engraving they have issued of the Fair building and the Fair grounds.—CALIFORNIAN.

LITHOGRAPHED.—The Mechanics' Fair building has been pictured in good style, by George H. Baker. We acknowledge the receipt of a copy. DEWEY & Co. are the publishers.—CALL.

VIEW OF THE MECHANICS' INSTITUTE PAVILION.—MESSRS. DEWEY & Co. have published a lithographic view of this building. Size, 12 by 19 inches. The workmanship does credit to Geo. H. Baker, the Lithographer. The dimensions of the Pavilion are 375 feet in length, breadth 220 feet; dome 108 feet high and 100 feet diameter, the area being 55,000 square feet. P. J. O'Connor Esq., is the Architect. We hope the sheet will prove highly remunerative.—ARGUS.

EUROPEAN
METALLURGICAL WORKS.
Bryant Street, Between Third and Fourth,
San Francisco.

THE Proprietors having recently added to this Establishment the latest and most approved Machinery for the Reduction and Testing of ORES of all sorts—either in large or small quantities—are prepared to test Ores by such process as may be ascertained best suited to their chemical character, after a careful analysis being first made. Assays, either in the humid or dry way, made of all Minerals. Also, Refining and Cupellation attended to.

☞ Particular attention paid to the Smelting of Copper and Silver Ores.

S. P. KIMBALL. J. R. MURPHY.
14-3m

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Knstel Bros. works, Bryant St. between 3d and 4th.

(Illustrated in the Mining and Scientific Press, April 9th, 864.) HEPBURN & PETERSON.
nov8 3m*

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percentage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER

PROGRESS OF AMERICAN INVENTION.

This is a theme so almost universal in its details that even the many large volumes of records in the archieves of the Patent Office at Washington, convey but an outline, or rather selections from. For these huge volumes containing hundreds of thousands of new inventions, distinct and different from all preceding inventions recorded—while there are all around us evidences of the progress of the spirit of invention, such as the application of old powers to new purposes, and of new materials to old purposes, to be seen in every section of our broad dominions which pass unrecorded, we shall only refer to the countless forms of manufacturing machinery, the manufactures of india rubber, paper made from corn husks, the extracting oil, spirits, dyes, perfumes and new illuminating agents from coal, as suggestions to the reader to lead his thoughts into the opening of the broad vista the theme affords.

Our present purpose is to point out the progress of American invention as exhibited by the one article of pumps at the Mechanics' Fair. There is not a man living at the present day, but what can remember the toil, time and risk that in his youthful days attended the obtaining a supply of water on the old farm on which he was raised. The cumbrous well sweep, with its wet and slimy chain and rope, or the rattling windlass with its death dealing crank, by which to obtain a drink of clear cold water from the well, one had to perform real hard labor. These things have all passed away before the progress of American invention, even the old chain pumps that were in their day considered as the greatest and most useful of labor saving machines, have been superseded by inventions as far superior to them as they were to the old sweep or windlass.—Look for instance at the Stannard Rotary lift and force pump on exhibition, which, by means of a cylinder not much larger than a common saucer, and a crank that a child three years old can turn with ease, will lift 2,000 gallons of water an hour from a depth of fifteen feet, and force it up fifty feet, or through fifty feet of hose; and such a machine selling for $30. Or look at the Hudson pump, with the old fashioned lever handle, which is constructed on the most simple of scientific principles, at the least possible expenditure of labor, throws a powerful stream of water so continuously and steadily that the falling water is as round, clear and compact as an icicle; a one horse power engine could work a thousand of such pumps. Or look at the operations of the wonderful pump invented by Capt. Harrison, which, by means of a smooth iron revolving in a peculiar manner within a small cylinder not over two feet in diameter, raises a continuous stream of water twenty-four inches wide by six inches deep—a perfect deluge pump. Those of us acquainted with the character of pumps for raising large bodies of water, as constructed not more than twenty years ago, must be astonished at the power of this pump, considering the the smallness of its size. As a case in point, we refer to the pump made by an English company to drain the well-known lake of Harlem, only a few years ago, this pump weighed nearly 200 tons, and cost nearly $100,000, and its full power was calculated to raise seventy tons of water fifteen feet in a minute. A pump constructed on the plan of Capt. Harrison's, weighing one ton and costing about $1,500 could perform the same work! This we consider a striking evidence of the progress of American invention in the article of pumps. But the most positive and crowning proof of this progress, of our superiority over all other countries in the world, is certified by the beautiful little pump exhibited by Mr. Hansbrow, its inventor—the very identical article that gained the World's Medal over more than three hundred competitors from all nations.

NEW ENGLISH COINAGE.—There is to be an alteration in the English silver coinage. It is intended by the government to recall, during the coming fall, the whole of the silver coins now circulating throughout the United Kingdom, and replace them by an entirely new coinage.

VULCAN IRON WORKS CO.,

[ESTABLISHED 1850.]

No. 137 and 139 First Street.

IRON FOUNDERS, STEAM BOILER MAKERS AND

STEAM ENGINE BUILDERS.

THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Laths to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.

MACHINERY

Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.

Quartz Stampers, Shoes & Dies,

Warranted to be made of the very hardest and toughest Iron.

RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.

A Published list of the Patterns of these Works will be sent on application.

MANUFACTURERS OF

JONVAL'S TURBINE WATER WHEELS,

The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.

☞ A DIPLOMA was awarded to this Company for the *Best California-Made Steam Engine*, by the Mechanics' Institute, September, 1857. 13

EDWARD BOSQUI & CO.,

517 Clay Street, San Francisco,

Book-Binders, Paper-Rulers,

And Blank Book Manufacturers.

Blanks of all kinds printed and ruled to any desired pattern. [2-tf

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HENRY V. POSER,

Ornamental Plasterer.

No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.

OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.

☞ Terms Moderate. ☜ 2-1m

PHILLIPS & CO.,

(Successors to W. H. Baxter & Co.,)

MANUFACTURERS AND IMPORTERS OF,

HARNESS AND SADDLES,

BRIDLES, WHIPS, COLLARS, SADDLERY WARE, ETC.,

407 Battery Street, between Clay and Merchant Street, San Francisco.

N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

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THEODORE KALLENBERG,

Maker of Models for Inventors.

MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.

No. 418 Market street, San Francisco. n7-tf

HUCKS & LAMBERT,

ORIGINAL MANUFACTURERS OF THE

Celebrated H. & L. Axle Grease,

Natoma and Minna streets, San Francisco.

THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

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REMOVAL.

THE OFFICE OF BEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.

16 A. MARCUS, Secretary.

GEO. B. HITCHCOCK & CO.,

Counting-House Stationers,

HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF

American and Foreign Stationery.

Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.

GEO. B. HITCHCOCK & CO.,

2-1m 413 and 415 Sansome St., cor. Commercial, S. F.

SQUARZA'S PUNCH.

FIRST PREMIUM

AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.

ALSO, FIRST PREMIUM

At the San Francisco Bay District Agricultural Fair, 1862.

MANUFACTORY, WHOLESALE AND RETAIL,

No. 44 Leidsdorff street, opposite the What Cheer House, j2-tf San Francisco.

JOHN P. GALLAGHER.....JOSEPH B. WEED.

GALLAGHER & WEED,

BRASS AND BELL FOUNDRY

And Lock Factory.

ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.

☞ Particular attention given to casting Rudder Braces and Ship Work in general.

☞ All Jobs promptly attended to.—Prices moderate. ☜

No. 125 First Street, opposite Minna, next door to Pacific Foundry.

[Removed from Oregon street, between Front and Davis.] j2tf

MINERS' FOUNDRY

—AND—

MACHINE WORKS,

First st., between Howard and Folsom streets,

SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.

tf. HOWLAND, ANGEL & RINO.

THE PACIFIC IRON WORKS,

First street, between Mission and Howard streets,

SAN FRANCISCO.

GODDARD & COMPANY,

—MANUFACTURERS OF—

Steam Engines and Boilers,

QUARTZ, FLOUR, SAW AND SUGAR MILLS,

AMALGAMATING PANS AND BARRELS, MINING PUMPS AND HOISTING GEAR, WATER WHEELS,

And Machinery of Every Description.

Also furnish all kinds of Iron and Brass Casting. Only Manufacturers of the celebrated Bryan Battery. 14-tf

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THE ATLAS IRON WORKS,

No. 24 & 26 Fremont Street.

—MANUFACTURE—

STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.

Castings of all kinds,

Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.

STEAM ENGINES OF SCOTTS' PATENT,

Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.

16v8 THOMAS SCOTT & CO.,

D. B. HINCKLEY, WM. E. WORTH. WM. A. FIELD

Fulton Foundry and Iron Works.

HINCKLEY & CO.,

MANUFACTURERS OF

STEAM ENGINES,

Quartz, Flour and Saw Mills,

Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

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NEW FOUNDRY.

SCHWARTZ, SHIELDS & CO.,

ALBANY IRON WORKS,

Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

D. NORCROSS,

MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.

aug17-tf Masonic Temple, No. 6, Post Street.

DUNBAR'S

PATENT SELF-ADJUSTING

Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it, It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,

23v8 Golden State Iron Works, San Francisco.

NATHANIEL GRAY,

General Furnishing Undertaker,

641 Sacramento St., corner of Webb, San Francisco. 1

GOVERNMENT HOUSE.

Northwest corner Washington and Sansome streets San Francisco.

Sixty-Four Rooms and Offices, in Suits or single

THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.

C. A. CRANE, Proprietor.

JOSEPH C. COLLINS, Superintendent. 3-3m

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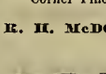

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sep21

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[WORKS, NORTH BEACH.]
OFFICE, 412 CLAY STREET, SAN FRANCISCO.

ARE constantly manufacturing every length and size of ROUND AND FLAT WIRE ROPE, for mining, shipping and general purposes; being lighter, stronger, more durable and cheaper than hemp or manilla ropes, and is not affected by atmospheric changes. We claim for it the following advantages:

It is FIVE TIMES the strength of the same size hemp rope.
It is only ONE SIXTH THE BULK for equal strength " "
It is one half the diameter for equal strength " "
It is 35 PER CENT. LESS WEIGHT for equal strength " "
It is FIVE TIMES AS DURABLE.
It does not stretch or shrink in dry or wet weather.
It is not injuriously affected by the heat of summer or cold of winter.
It does not absorb water, and double its original weight.
IT IS AS PLIABLE AS HEMP rope of equal strength. For instance: A wire rope 2½ inches in circumference weighing 87 lbs. per 100 feet, equals in strength a hemp rope 6 inches in circumference, weighing 130 lbs per 100 feet.

WIRE SASH CORD.

We are also manufacturing Iron and Copper Wire Sash Cords, which over the ordinary cord combine all the advantages of wire ropes over hemp. Wire rope has been in use in California for MINING and FERRY purposes for nine years, and we can refer to companies in every part of the State, who have had it in successful and economic use.

WIRE DRAWING.

We have lately completed a WIRE MILL, and are now manufacturing all the Iron, Copper and Brass Wire used in our ropes, and are prepared to execute limited orders for wire for our customers; guaranteeing to furnish them at our mills a clean article of any size, free from rust, and equal in quality to any imported, and on as favorable terms

SUSPENSION BRIDGES AND FLUMES.

We have been engaged in the erection of Suspension Bridges and Flumes for nine years, and refer those interested to the numerous works of this character erected by us in almost every part of this State, Oregon and British Columbia, of span varying from 200 to 400 feet.

We have published a pamphlet entitled the "Mechanical Miner's Guide," containing scale of weights, strength and prices of wire-ropes, with other useful data appended, which we forward free by mail, and which can be had on application from any of our agents in the interior. 7

JENKINS'
Power Sheep Shearer.

The most valuable labor saving Machine ever introduced for shearing sheep. It must be seen to be appreciated.
A practical business man wanted to take an interest in the manufacture and sale of the same.
The Machine is on exhibition at the Pavilion.
4-df F. B. LAMB, Prop'r.

B. P. MOORE & CO.,
FURNITURE,
Corner Pine & Sansome streets. 1-df

GUNPOWDER,
Sporting, Mining, and Blasting,
FRESH FROM THE MILLS OF THE
California Powder Works,
At Santa Cruz,
FOR SALE BY
J. A. PECK, Agent,
No. 318 California Street, San Francisco.
1-df

WM. SHEW'S
PHOTOGRAPHIC GALLERY,
Photographs, Ambrotypes and Melainotypes in every style of the Art, and satisfaction guaranteed.
No. 423 Montgomery Street.

Miss Julia Jenkins.
BY E. I. BARRA.

She is
All that painting can express,
Or youthful poets fancy when they love,
[*Rowe's Fair Penitent.*

In the famous Golden City that o'erlooks the Western Ocean,
Where those Monarchs Wealth and Fashion, exert their sov'reign sway,
Dwells a lady of wondrous beauty, who excites profound devotion
In the hearts of all the bachelors, alike the grave and gay.

Her cheeks are like the roses that unfold their leaves each morning,
To greet with smiling welcome the life-imparting sun;
And Nature's fine arch'd pencilings her classic brow adorning,
Impart a power to her eyes to melt a heart of stone.

Her head, a fitting model, of grace and queen-like carriage,
Displays luxuriant ringlets of waving glossy hair;
The whiteness of her neck no vain critic can disparage;
Her hands are plump and dimpled, charming soft and fair.

What causes so much loviness? her neighbors often wonder
Where one who was so plain before, derives such beauty from?
They may dispel their doubts, for the mystery holds no longer;
Miss Julia's daily toilet wash is PURE NEW ENGLAND RUM.

Do you want a good head of Hair? Then wash it with pure New England Rum.
Do you want a brilliant complexion? Then wash your face with Pure New England Rum.
Do you want to eradicate Eruptions and Freckles? Then wash with Pure New England Rum.
Do you want to preserve a youthful appearance? Then saturate a towel with pure New England Rum, and apply the same daily to your face, instead of water.
Experience has fully demonstrated that New England Rum is the best Toilet Wash in the World. It is a sure preventive of Wrinkles. It is peculiarly adapted for use in this climate.

CAUTION!

☞ There is as much difference between Pure New England Rum and its counterfeit, composed of reduced alcohol as there is between genuine gold and galvanized brass fillings. New England Rum and Alcohol are both colorless fluids, but there all similarity ceases; for, while New England Rum beautifies and rejuvenates, Alcohol parches the skin, wrinkles the face, and ruins the complexion. The advertiser imports the New England Rum direct from Boston, Mass., and offers it for sale at the reasonable price of **50 cts. per Quart Bottle.** Each bottle is marked with the name of E. I. BARRA,
No. 118 First St., corner of Minna Street, San Francisco.
An extensive assortment of Bottled Liquors, suitable for Family use, constantly on hand.
N. B.—To each bottle of Pure New England Rum add one-third of a bottle of water; it is then ready for use. 2-df

JACOB SHEW'S
PHOTOGRAPHIC GALLERY,
315 Montgomery Street, near Pine.
The public are especially invited to notice the superiority of my "*CARTES DE VISITE*," exhibited in the Fair, over all others. My Photographs are printed by the
"Chromatic Process,"
an improvement which produces a superiority in my work unattainable by any other process. 1-d

THE
WHEELER & RANDALL
Grinder and Amalgamator.

The attention of the Public is respectfully called to these facts:
1st. That the Mechanical work accomplished by differently formed grinding plates, having the same diameter, weight, hardness, and revolving at the same velocity, is as follows, to wit:
The Mechanical work of plane, circular plates of the usual ring form, is ninety-eight.....98.
The Mechanical work of conical plates of the most approved form, is one hundred and ten.....110.
The Mechanical work of Tractory formed plates, as introduced in the invention of Wheeler & Randall, is one hundred and seventy-seven.....177.
That is, the Tractory formed grinding plates will reduce one hundred and seventy-seven tons of ore, the conical grinding plates one hundred and ten tons, and the plane circular grinding plates ninety-eight tons, to the same degree of fineness in the same time.
2nd. That as a whole, the Wheeler & Randall Grinder and Amalgamator is more simple, compact, substantial, convenient, efficient and cheaper than any other Pan in use.
Manufactured at the Golden State Iron Works, Union Iron Works, and Miners' Foundry.
WHEELER & RANDALL, Inventors.
San Francisco, Cal., Sept. 6th, 1864. (7)

GREAT TRIUMPH
—OF THE—
FLORENCE!

We, the undersigned, have each purchased a FLORENCE SEWING MACHINE and have them now in use.

We have thoroughly tested them on work of all grades—heavy, medium and light—and our opinion is that the Florence is durable, will not easily get out of order, is strong and simple in construction, and its use is easily learned by the most inexperienced.

It will do a greater range of work, with less trouble and change, and we consider it altogether better than any other Family Sewing Machine we have ever seen:

Mrs. Dr. Chase, 31 Turk street, S. F.
Mrs. D. B. Coffin, 20 Clay street, S. F.
Mrs. J. B. Wooster, 525 Folsom street, S. F.
Mrs. S. D. Gilmore, 518 Folsom street, S. F.
Mrs. Daniel Dunn, 414 Folsom street, S. F.
Mrs. J. Spinoni, 228 Rich street, S. F.
Mrs. Alfred Wheeler, 947 Mission street, S. F.
Mrs. Henry Miller, 850 Howard street, S. F.
Mrs. Emily Bidwell, 749 Market street, S. F.
Mrs. Sarah Lunders, 704 Market street, S. F.
Mrs. E. H. Ohm, 211 Genry street, S. F.
Mrs. G. A. Carnes, Jackson Place, S. F.
Mrs. Branch, Pacific, near Leavenworth street, S. F.
Mrs W. H. Barnard, 508 Kearny street, S. F.
Mrs. E. Harper, Sacramento, west of Leavenworth street, S. F.
Mrs. Harriet Cushing, 316 First street, S. F.
W. H. Rulofson, corner Montgomery and Sacramento streets, S. F.
Mrs. Pruett, 616 California street, S. F.
Mrs. M. S. Morton, 632 Sutter street, S. F.
Mrs. Bohen, 617 Pine street, S. F.
Mrs. Ann Bradley, 612 California street, S. F.
Mrs. Geo. H. Parker, 259 Stevenson street, S. F.
Mrs. John C. Corbet, Mission Dolores.
Miss Annie McBoyle, El Dorado.
Miss Maggie McBoyle, El Dorado.
Chas. S. Prehle, Sacramento.
Louis Stegeman, Santa Clara.
J. W. Hoag, Oakland.
Mrs. A. M. Dunham, Oakland.
Mrs. Orrie Woodill, Oakland.
Mrs. D. G. Smith, Oakland.
Mrs. J. B. Woodill, Oakland.
Mrs. Mary E. Burckhalter, Dutch Flat.
Mrs. C. J. Oliver, Napa.
Mrs. Samuel T. Tong, Clarksville, El Dorado, county.
Wm. Reddick, Fourth Crossing, Calaveras County.
Mrs. C. E. Comstock, Napa City.
Mrs. Joseph Keefer, Clarksville, El Dorado county.
Mrs. John O'Neil, Jamestown, Tuolumne county.
R. H. Farquhar, (County Clerk) Nevada City.
George K. Farquhar, Nevada City.
E. W. Biglow, Nevada City.
N. W. Knowlton, (practical machinist) Nevada City.
C. M. Bates, M. D, Nevada City.
John Herzinger, Nevada City.
H. Mackie, Nevada City.
P. Brunstiter, Grass Valley.
O. C. Shorey, Seattle, W. T.
D. Horton, Seattle, W. T.
Henry Jackson, Watsonville, Santa Cruz co.
Mrs. Albert Bader, San Andreas.
Mrs. Newton Damon, dress maker and tailoress, Seventh street, between Bryant and Brannan, San Francisco.

Previous to purchasing the Florence I owned the Howe Sewing Machine.
MRS. J. CRAWFORD,
Copperopolis, Calaveras county, Cal.

I used the Sloat Eliptic Machine six months previous to purchasing the Florence.
MRS. MARY CAFFEY,
Dressmaker, 16 Post street, San Francisco.

We, whose names follow, owned and used the Grover & Baker Sewing Machine previous to purchasing the Florence:

Mrs. Mary A. Merchant, dressmaker, 810 Stockton street, San Francisco.
Mrs. B. Weller, dressmaker, 406 Dupont street, San Francisco.
Mrs. Chas. Uzuay, 419 Bryant street, San Francisco.
E. A. Love, Angel's, Calaveras county, California.
Mrs. M. J. Roberts, 646 Howard street, San Francisco.
Mrs. L. H. Bayley, Portsmouth House, San Francisco.
Mrs. Julia Lyons, Target street, near Tehama, San Francisco.
Mrs Harriet Howes, 625 Post street, San Francisco.

We, whose names follow, owned and used the Wheeler & Wilson Sewing Machine previous to purchasing the Florence:

Mrs. J. D. Blain, Hubbard street, near Howard, San Francisco.
Mrs. D. S. Ruggles, 414 Folsom street, San Francisco.
Mrs. M. Young, 211 Stockton street, San Francisco.
A. M. Flint, C. L. Flint, San Juan, Monterey county, Cal.
Mrs. C. P. Jackson, El Dorado, El Dorado county, Cal.
Mrs. C. L. Taylor, 512 Dupont street.
Mrs. Sarah E. Miller, Sacramento.
Mrs. A. Nash, corner Stevenson and Third streets, San Francisco.
Mrs. Thomas Mitchel, Mokelumne Hill, Calaveras county.

The following named persons owned and used the Singer Sewing Machines previous to purchasing the Florence:

Mrs. A. J. Turner, 320 Beale street, San Francisco.
Mrs. H. B. Osborne, 612 Powell street, San Francisco.
Mrs. Annie Dailey, Bush street, below Stockton, San Francisco.
Augustus Brown, 134 Sutter st., San Francisco.
Mrs. F. Scherb, 673 Mission street, San Francisco.
Mrs. Sarah P. Viek, dressmaker and seamstress, 109 Stevenson street, San Francisco.

I have found the Florence to be all that I anticipated. It has never been out of order, nor ever has "spells," like most machines of other manufacture, several of which I have owned. I can conscientiously recommend the "Florence."
Mrs. ALBERT BADER.
San Andreas, May 17, 1864.

The Testimony of all purchasers of the Florence is but a repetition of the opinion of the few whose names are given above.

As our competitors have not deemed it advisable to exhibit their machines at the present Fair, to be tested by the side of *The Florence*, and as there are many strangers in the city, who contemplate purchasing sewing machines, who prefer (and we earnestly request them to do so) to see and compare the merits of all before they make their selection, we give below, for their convenience, the location of the principal Sewing Machine Offices in the city.

LOCK STITCH MACHINES.

Wheeler & Wilson's, office, corner Montgomery and Sacramento streets.
Singer's, 139 Montgomery street.
Ladd & Webster's, 32 Montgomery street.
Howe's, 3 Montgomery street.
Williams & Orvis', corner Jackson and Battery streets.

CHAIN, LOOP, AND "EMBROIDERY" STITCH MACHINES.

Grover & Baker's, office, 329 Montgomery st.
Folsom's New England, 8 Montgomery street.
Little Giant, 3 Montgomery street.

Parties who have not had the opportunity to thoroughly examine the Florence at the Pavilion, owing to the crowd of people gathered around the machines, will please call at Sales Room 111 Montgomery street and test them at their leisure, and until perfectly satisfied whether what is claimed for them is true or not.
SAMUEL HILL,
General Agent for the Sale of the Florence on the Pacific Coast.

MRS. C. M. CHAPMAN'S
Celebrated Vegetable Hair Dye.

THIS Coloring for the Hair is guaranteed to effect its object in the most perfect manner, without injury. Being composed of a vegetable Seed, it has a tendency to promote its GROWTH and STRENGTH.
It contains no mineral substance as other Dyes. Batchelor's and all other Dyes known are composed of, or from, Nitrate of Silver. This has no such substance. Specimens of Ladies' Hair colored can be shown to the satisfaction of any one. No. 687 Market Street. 10v9-1df

ASTROLOGER.

GO and see the Natural Gifted Astrologer, PROF. COHEN, 530 California street. He can give you true information as to the Past, Present and Future on Business Affairs, Law Suits, Matrimony, Love, Absent Friends, Sickness, etc. He tells the events of your whole life, and how to avoid trouble. A large number of people have been benefitted by his knowledge. As an evidence of his reputation he has received upwards of 16,000 consultations here in San Francisco.
N. B.—When personal consultation is had will not be necessary to give the age. Office hours, 8 to 12 M., and from 2 to 9 P. M. Consultation, $2; by letter, $3 with Chart. Sickness will be discovered and cured through science only known by him. 1-df

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

If your whole income depended on a household Estate held by you only during the life of another, and which would be lost by his death would you not be anxious to insure against so heavy a contingency. Take the parallel, yourself the frail tenement or house of clay, your family and friends depeading *on your life* for their income, and its loss their most fearful calamity. It would be the *loss of their whole Estate.* Will you then delay to insure against so terrible a risk.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and and responsible agency upon this coast.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

RICHARD WEGENER,

Accountant, Mining Secretary,

AND GENERAL AGENT.

No. 204 Monigomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-in

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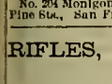
RIFLES, GUNS AND PISTOLS.



WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**

513 Clay street, San Francisco.

122 J street, Sacramento. 3-6m

NORTH BEACH

Quartz Mill and Reduction Works,

ARE PREPARED TO WORK GOLD AND SILVER ORES in large or small quantities.

Working assays made of small lots, and all kinds of ores crushed at short notice.

Our new and complete Machinery, will enable us to give results fully up to the merits of rock.

WHEELER & THAYER, Proprietors.

C. C. JONES, Amalgamator.

San Francisco, Oct. 13, 1863. j2tf

THE GOLDEN ERA,

Founded in 1852.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

THE GOLDEN ERA, One Year.....Four Dollars
THE GOLDEN ERA, Six Months.....Two Dollars

THE TWO GREAT SERIALS,

"OUR MUTUAL FRIEND,".....by Charles Dickens.
"THE DOCTOR'S WIFE,".....by Miss Braddon

"THOUGHTS AND THINGS,"

APPEAR WEEKLY IN THE GOLDEN ERA,

Subscriptions to be Paid in Advance.

BROOKS & LAWRENCE,
GOLDEN ERA BUILDING.

11] 543 Clay street, near Montgomery, San Francisco.

W. T. GARRATT,

City

BRASS AND BELL FOUNDER,

Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.

Manufacturer of Brass, Zinc, and Anti-Friction or

Babbet Metal Castings;

CHURCH AND STEAMBOAT

BELLS,

TAVERN AND HAND BELLS AND GONGS,

FIRE ENGINES, FORCE AND LIFT PUMPS,

Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,

HYDRAULIC PIPES AND NOZZELS

For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all *sizes*. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."

☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

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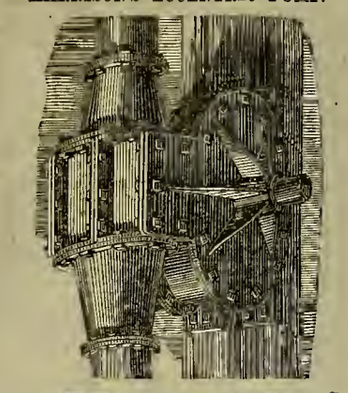
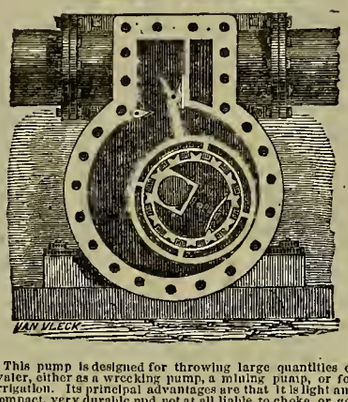
HARRISON'S ECCENTRIC PUMP.





This pump is designed for throwing large quantities of water, either as a wrecking pump, a mining pump, or for irrigation. Its principal advantages are that it is light and compact, very durable and not at all liable to choke or get out of order.

It has no valves and no packing. It is a suction and force pump, and has sucked water up over 27½ feet.

It can run fast or slow, and according to its speed is the quantity of water discharged.

All sizes, capable of throwing from 100 to 5000 gallons per minute. For sale by **C. H. HARRISON,**

21 Phœnix Oil Works, 517 Front Street, S. F.

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,
WHOLESALE AND RETAIL DEALERS
— IN —

JAPAN AND CHINA TEAS,
AND

GROCERIES.

Store fronting on

514 Market & 15 Sutter St.

☞ THREE DOORS ☜
BELOW THE MARKET HOUSE,

San Francisco.

Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco
GEO. H. BAKER.....San Francisco
P. T. ARCHAMBOU.....Geyserville.
19-3m

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Mining and Scientific Press Patent Agency,

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent, And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" An positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons competent, in his business or obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be able to modify his claims and specifications accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other inventor for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice of a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various papers and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, cotton cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architecturnl work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunc tion from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charges will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

BOOK-BINDING AND RULING.

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Open daily from 7 o'clock A. M. until 10 o'clock P. M.

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Astonishing success of this Popular Establishment.

HOME AGAIN,

James Murphy the Irish Giant Boy, who has just returned from the interior. Also, the Albino Family consisting of Brother and Sister, acknowledged to be by all, wonderful curiosities. Mons. De Cat, the great *Snake Charmer*, who delights and amuses his vast audiences.

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The World-Reaowned and Mysterious Lightning Calculator.

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The great Coroplastic Group of Life Like Figures of Tom Thumb. Also, Life Size of all the Union Generals.

A beautiful set of Cosmoramic Views illustrating the principal Cities of America and Europe, also an Aquarius garden attached to the Museum and upwards of 2,000 Curiosities from all quarters of the world.

Admission.....25 cts. Children.....15 cts

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STANNARD'S

Patent Rotary Lift Force Pump,

Address,

S. F. BLASDELL, San Francisco.

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HAVE YOU A HOUSE,

IF SO EXAMINE THE

Metallic Weather Strips,

Now on Exhibition at the Mechanics' Fair Pavilion.

WINDOWS AND DOORS, OF EVERY DESCRIPTION, made AIR, WATER and DUST tight, by their application.

6

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jltf

POSTPONEMENT.—The above sale is postponed until Saturday November 5th, 1864. 11

READY ROOFING

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READY ROOFING
At less than half the cost of tin roofs.

READY ROOFING
More durable than Tin.

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Suitable for steep or flat roofs.

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For all kinds of buildings, in all climates.

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Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.

Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,

Which will often save the cost of a new roof.

Samples of Ready Roofing and Cirenlars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6-tf 73 Maiden Lane, N. Y.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F, $8.50. No. A, $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,
No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. O. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; if saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.
6-tf

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Mining Notices.

Advertised in Previous Issues.

Aspinwall Gold and Silver Mining Company, Amador District, Lander County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt. Certificates No. 71, 72, 73, 74, 75, 76 and 77, standing in the name of W. D. Mathenay.

11 JOSEPH HEALY, Secretary.

Astor Gold and Silver Mining Company, No. 436 Jackson St., City and County of San Francisco, State of California, Ould Hill Mining District, county of Story and Territory of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 10th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John V A Lansing	25 27 25 ea	75	$75
D E Hoff	28	25	25
J F Cornwall	43	25	25
J F Cornwall	85	20	20
F C Lovell	63	5	5
Mrs L T Lunt	70	7	7
L Joseph	73	10	10
S Lowenburg	78	10	10
R F Barton	80	10	10
R F Barton	103	25	25
Miss Carrie Smith	81	5	5
Augustus F Hay	82	4	4
B F Swan	87 88 10 ea	20	20
Harmon Rankin	92	10	10
Thos Drum	93	6	6
Thos Drum	97	5	5

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of August, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, on Saturday the the 24th day of September, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

EDWARD C. LOVELL, Secretary,
11 Office, No. 436 Jackson Street.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Location, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees

B. C. AUSTIN, Secretary.
Office, 324 Clay street, San Francisco. 11-4

Citizens' Coal Mining Company, Mount Diablo District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 20th day of August, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
H Rothschild	37	2	$10 00
Ad Winterberg	33	5	25 00
Francis Wortb	34	3	15 00
P Stemmler	14	2	10 00
P Stemmler	15	1	5 00
P Stemmler	39	1	5 00
M Waizmann	101	3	15 00
Wm Striby	67	1	5 00
James Wands	75	1	5 00
Johnathan Fiedler	84	1	5 00
C Merkle	90	1	5 00

And in accordance with law and an order of the Board of Trustees, made on the 20th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., (now Maurice Dore & Co.) No. 327 Montgomery street, on the 8th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

E. J. PFEIFFER, Secretary.
Office, S. W. Corner Post and Dupont streets, San Francisco, Cal. 13

Dane Gold and Silver Mining Company, Esmeralda.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment No. 5, levied on the 5th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Shares.	Amount.
John S. Mayhugh	87	$87
D C Crocker	5	5
W F Atwood	208	208
Jesse Richardson	10	10
James Hitebens	15	15
Jas H Deering	75	75
M L Citron	10	10
F J Barber	10	10
Adam Ross	10	10
Mrs H C Bull	5	5
W H Forbes	10	10
Jas J Robbins	128	128
W H Hamden	10	10
Larkin Smith	45	45

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at auction, at the office of the Company, No. 623 Montgomery street, on the 20th day of August 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and exponses of the sale. EDWARD CONNER, Secretary.

Office, 623 Montgomery street.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, August 30th, 1864, at the same hour and place. By order of the Board of Trustees.

7 EDWARD CONNOR, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, the 1st day of October, at the same place and hour. By order of the Trustees.

13 EDWARD CONNER, Secretary.

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 7th day of September, 1864, an assessment of thirty cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 10th day of October, 1864, will be advertised on the 15th as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent assesment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary
Office, 204 Front Street. San Francisco, Cal., Sept. 8, 1864
11-5t

Evoca Consolidated Copper Mining Company, Court Hill or Evoca District, near Black's Ferry, Del Norte County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment of 25 cents per share was levied upon the assessable capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 537 Washington street, City and County of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 24th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. CHARLES E. ABBOT, Secretary.

Office, 537 Washington street. San Francisco, California, September 10, 1864. 11-4t

Fairview Copper Mining Company, Gopher District, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 3d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J S Owens	7	10	$4 00
J S Owens	10	10	4 00
J S Owens	14	10	4 00
J S Owens	19	10	4 00
J S Owens	20	10	4 00
J S Owens	22	10	4 00
J S Owens	24	20	8 00
J S Owens	25	20	8 00
J S Owens	26	20	8 00
J S Owens	27	20	8 00
J S Owens	30	50	20 00
J S Owens	60	3	1 20
W W Lee	47	5	2 00
B W Owens	31	75	30 00
J M Williams	37	100	40 00
J M Williams	38	50	20 00
J M Williams	39	50	20 00
J M Williams	40	25	10 00
J M Williams	41	25	10 00
J M Williams	42	17	6 80
A H Parks	44	15	6 00
I I Brooks	48	25	10 00
I I Brooke	49	25	10 00
I I Brooke	53	20	8 00
I I Brooke	54	10	4 00
I I Brooke	55	10	4 00
I I Brooke	56	10	4 00
I I Brooke	57	10	4 00
I I Brooke	59	100	40 00
I I Brooke	01	10	4 00
Alf Shaw	73	20	8 00
Alf Shaw	74	20	8 00
Alf Shaw	75	20	8 00
Alf Shaw	77	20	8 00
Alf Shaw	78	10	4 00
Alf Shaw	79	10	4 00
Alf Shaw	80	10	4 00
Alf Shaw	81	10	4 00
Alf Shaw	83	3	1 20
Herman Donner	88	50	20 00
H M Beers	118	10	4 00
Henry Donner	102	50	20 00
J F Graves & Bros	103	50	20 00
J F Graves & Bros	120	77	30 80
Wm Lockey	113	25	10 00
L Ossenbrook	119	10	4 00
James Glass	121	10	4 00
H M Owens	122	20	8 00
S B Serrington	123	25	10 00
Thos H Hutchinson	124	10	4 00
James Ritchie	131	200	80 00

And in accordance with law, and an order of the Board of Trustees made on the 15th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the Company, on the 1st day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

W. WILMOT, Secretary.
Office, No. 537 Washington street. 12-4t

Fortune Mining Company, Mineral Springs' District, Calaveras County, Cal,

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 22d day of September 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 9th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.
Office, No. 622 Clay street, San Francisco. 13-4t.

Gold Rock Gold and Silver Mining Company, Murphy's Camp, Calaveras County.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 30th day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
M. E. Goldsmith	balance 43	150	$25 00
Page Cutting	44	150	75 00
Page Cutting	45	150	75 00
F. M. Hooper	51	50	25 00
F. M. Hooper	69	25	12 50
F. M. Hooper	70	50	25 00
F. M. Hooper	72	13	6 50
Isaac Ayer	67	15	7 50
Isaac Ayer	68	15	7 50
Isaac Ayer	76	50	25 00
Treasurers Fund		140	70 00

And in accordance with law and an order of the Board of Trustees, made on the 9th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 26th day of September, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

HUGO DRESCHFELD, Secretary,
Office, 14 Naglee's Building, S. W. Corner Merchant and Montgomery St., San Francisco. 11

POSTPONEMENT.—The above sale is hereby postponed until Wednesday, the 5th day of October, 1864, at the same place and hour. By order of the Board of Trustees.

14 HUGO DRESCHFELD, Secretary

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

Good Hope Gold and Silver Mining Company Alpine District, Alpine County.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of September, 1864, an Assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 3d day of October, 1864, in United States gold coin to the Secretary, at his office, or to H. MORRIS, in Markleeville.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.
Office, No. 526 Montgomery street, San Francisco. [12-4t

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Peter Brown	31	50	$25 00
Peter Brown	84 35-ea 25	50	25 00
Peter Brown	36	10	5 00
W J Bell	48	25	12 50
W J Bell	49	15	7 50
W J Bell	50	10	5 00
James Bateman	93	5	2 50
Fred Bruer	117	25	12 50
John Carmichael	16	25	12 50
John Carmichael	17	25	12 50
Isabella Drysdale	96	10	5 00
Isabella Drysdale	97	15	7 50
John Forbes	120	15	7 50
John Forbes	121	10	5 00
John Forbes	130	50	25 00
Bernard Galen	80	10	5 00
Bernard Galen	90	10	5 00
Henry Goldswait	125	10	5 00
Henry Goldswait	126	15	7 50
David Hunter	114	25	12 50
C N Huyck	129	10	5 00
C E B Howe	133	5	2 50
Geo Harwood	140	50	25 00
Frank Kruger	118	15	7 50
Frank Kruger	119	10	5 00
David Love	74	10	5 00
Daniel M Love	75	10	5 00
Alexander Laivel	39	25	12 50
John McMann	1	10	5 00
John McMann	2	10	5 00
William Muir	122	10	5 00
William Muir	123	10	5 00
William Muir	124	5	2 50
John Pattie	44	25	12 50
John Pattie	45	25	12 50
John Pattie 76 77 78 79	80-ea 10	50	25 00
Edward Phelps	92	5	2 50
Richard Schwies	65	20	10 00
Chas Stott	143	25	12 50
Chas Stott 134 135 136 137	138-ea 10	50	25 00
Alex Stott	115	25	12 50
Robt Stott	116	25	12 50
Otto Trilling	24	15	7 50
Otto Trilling	25	10	5 00
Wm Trottman	28	15	7 50
Wm Trottman	29	10	5 00
Peter Taylor	127	10	5 00
Peter Taylor	128	10	5 00
Alex Vesey	109	5	2 50
George Woodhead	91	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.
Office, No. 626 Clay street, San Francisco. 13

Henry and Barnard Consolidated Gold, Silver and Copper Mining Company, Weaver District, Arizona Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21st day of July, 1864, an Assessment of ten cents per share was levied upon the capital stock of said Company, payable immediately, in United States Gold Coin, to the Secretary.

Any Stock upon which said Assessment shall remain unpaid on the 20th day of August, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of September, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees. I. M. BLOOD, President.

GEO. W. GILDERSLEEVE, Secretary.
Office, 607 Market street, San Francisco.

POSTPONEMENT.—The advertisement of delinquent stock on the above assessment, is postponed until August 27th, 1864 and the sale thereof is postponed until September 12th, 1864. By order of the Board of Trustees.

8 GEO. W. GILDERSLEEVE, Secretary.

The advertisement of stock delinquent, on the above assessment, is postponed until September 3d, 1864, and the sale thereof is postponed until September 19th, 1864. By order of the Board of Trustees.

9-td GEO. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby further postponed until Saturday, September 17th, 1864, and the sale thereof until Monday, the 26th day of September 1864. By order of the Board of Trustees. G. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is hereby further postponed until Saturday, September 24th, 1864, and the sale thereof until Monday, October 3d, 1864. By order of the Board of Trustees. [11] G. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, October 1st, 1864, and the sale thereof is postponed until Monday, October 10th, 1864. By order of the Board of Trustees

12 GEO. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until October 8th, 1864, and the sale thereof is postponed until Monday, October 17th, 1864. By order of the Board of Trustees.

13 GEO. W. GILDERSLEEVE, Secretary.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, October 15th, 1864, and the sale thereof until Monday, October 24th, 1864. By order of the Board of Trustees.

14 GEO. W. GILDERSLEEVE, Secretary.

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Beldeman	54	25	$62 50

And in accordance with law and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 623 Montgomery street, San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. BILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 13

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 24th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
Geo Wall	441	25	$1 25
Geo Wall	442	25	1 25
J Cerf	42	25	1 25
J Cerf	43	25	1 25
J Cerf	47	50	2 50
A W Hobbs	63	25	1 25
A W Hobbs	133	25	1 25
C S Hobbs	52	25	1 25
Carleton Hobbs	60	100	5 00
G H Nagle	7	50	2 50
E Stratton part	113	10	50
E Stratton	114	20	1 00
J H Turney	126	200	10 00
J S Leyford	176	25	1 25
J S Leyford	177	25	1 25
Chas Perry	182	25	5 00
N R Lowell	170	100	5 00
N R Lowell	171	100	5 00
H M Backus	102	50	2 50
L F Morgan	424	25	1 25
L F Morgan	168	200	10 00
Daniel Winter	186 187—ca 50	100	5 00
Daniel Winter	188 189—ca 25	50	2 50
Daniel Winter	190	25	1 25
Daniel Winter	191	25	1 25
Geo Coffran	197	25	1 25
Geo Coffran	198	50	2 50
Geo Coffran	225	15	75
Geo Coffran	226	10	50
Geo Coffran	not issued	75	8 75
E A Atwood	201	10	50
E A Atwood	202	10	50
E A Atwood	381	50	2 50
Thos Day	201	100	5 00
Miss A Gee	247	10	50
Geo F Russell	246	40	2 00
J S Filleon	242	100	5 00
A F Hinchman	285	50	2 50
A Farrar	360	20	1 00
G Burgess	316	20	1 00
G Burgess	317	30	1 50
A Sinderman	319	50	2 50
A Sinderman	320	25	1 25
A Sinderman	459	25	1 25
A W Stratton	350	100	5 00
A W Stratton	351	100	5 00
I M Blood	357	15	75
G W Fairchild	385	5	25
J De Groff	365	10	50
G W Morgan	368	100	5 00
Benj Cox	375	10	50
J B Reinhart	384	25	1 25
G M Wood	306	4	20
G M Smith	414	25	1 25
Geo Walcom	418	35	1 75

And in accordance with law and an order of the Board of Trustees, made on the 24th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. B. WINEOAR, Secretary.

Office, 322 Front street, San Francisco. 13

POSTPONED.—The above sale is postponed until Saturday, the 15th day of October, 1864, at the same hour and place.

14 A. B. WINEGAR, Secretary.

New Ern Copper Mining Company, Tuolumne County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
H B gelow	7 8 9	60	$30 00
H Burgess	26 27 28	75	56 25
C D Rearick	131	38	10 00
W J Coudly	64	5	2 50
T S Myrick	56	75	37 50
D T Brown	68	150	37 50
N S Palmer	79	10	9 50
R Norton	82 6	17	6 50
P F Butler	87	3	1 50
T R Taylor	89	75	19 00
S W Churchill	95	10	5 00
A H Case	96	75	37 50
C B Miles	104	17	8 50
A Harkness	105 110	25	12 50
Geo H Burgess	100 111 112	05	52 50
T J Higgins	114	20	10 00
Jos Clement	13 15 75	75	75 00
D Norcross		65	150 00

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the Auction Room of Messrs. Cobb & Sinton, No. 406 Montgomery St., San Francisco, on Monday the 10th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 13

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment (8) of 50 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 26th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 11-4t

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, the 15th day of October, 1864, and the sale thereof until Wednesday, the 2d day of November, 1864. By order of the Board of Trustees. [14] GEO. H. PECK, Secretary.

Providence Gold and Silver Mining Company, Works at Nevada County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 16th day of September, 1864, an assessment of one ($1) dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at his office, No. 8 and 10 Government House, Corner of Washington and Sansome Streets, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the Twenty-Second day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, November 5th, 1864, at 12 o'clock M. to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

12 J. M. BUFFINGTON, Secretary.

Penn Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Ranil	3	33 1-3	$ 00
Wm Faulkner		13 1-3	40
J H Welch	150	25 2-3	80
Estate of J J Todd	10	16 2-3	50
C A Purrinton	11	16 2-3	60
A R Wheat	14	16 2-3	50
G W Betts	142	8 1-3	25
R C Jacobs	32, 167	50 1-3	110
J J Corrigan	153	31	93
J F Forland	89	8 1-3	25
F G Norman	92, 170	14 2-3	44
Chas F Brownell	118, 149, 150	15 2-3	47
Miss M A Phillips	54, 55, 6, 66 67, 68	33 1-3	100
J C Eldridge	147	8	24
H C Wheeler	30	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2-3	50
Edson Samuels	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1-2	10
Boyd Rees	86	9 2-3	27
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palacho	93, 100, 145	20 2-3	80
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	00, 107	32	06
John Todd	105, 144	8 2-3	25
E G Mathews	134, 172	3	0
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1-3	25
S C Peck	123	4 1-6	12 50
Wm Crocker	87	8 1-3	25
H M Newball	143	8	24
W P Peck	131	8 1-3	25
H J Tiblen	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
John Todd	158	2	6
Hugh McCorriston	150	1	3
Mrs P J Adams	157	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	0
H K Curtiss	171	2	0
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

"Refugio," U. S. Grant, Lucrecia Borgin, and La Mejicana Copper, Gold and Silver Mining Companies. Location—Clayton Mining District, Contra Costa County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 8th day of September, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said companies, payable on the 6th day of September, 1864, in United States gold and silver coin, to the Secretary, at the offices of the Companies, No. 708 Montgomery street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 12th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 31st day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco. [11-4t

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to JOHN MOFFET, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal.

September 20th, 1834. 13-4t

Simpson & Bosselle Mining Company—Mines Located in Carson Valley Mining District

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment of 30 cents per share was levied upon the Capital Stock of said Company, payable on the 26th day of September, 1864, in United States gold coin, to the Secretary, at his office, or to DR. J. W. WATERS, at Markleeville, Alpine County, California.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [13-4t

St. Paul Gold and Silver Mining Company, Amador District, Lauder County N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 11-4

Salinas Gold and Silver Mining Company, Salinas, Monterey County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of September, 1864, an Assessment of twenty (20) cents per share was levied upon the Capital Stock of said Company, payable on the 12th day of September, 1864, in United States gold and silver coin to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. S. JOSSELYN, Secretary.

Office, Room No. 27 Government House, corner Sansome and Washington streets, San Francisco. 12-4t

Seneca, Sotoyome and Lily of the West, Gold and Silver Mining Companies, Esmeralda Mining District.

NOTICE.—There are delinquent upon the following described stock, on account of assessments levied on the 10th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

"SENECA" GOLD & SILVER MINING COMPANY.

[ASSESSMENT 10 CTS. PER SHARE.]

Names.	No. Certificate.	No. Shares.	Amount.
T H Henderson	95	50	$5 00
H C Wilhoit	101 102—ca 10	20	2 00
H C Wilhoit	stock not issued	22	2 20
F G Ryel	97	5	60
T A Cook (deceased)	not issued	167	16 70
E H Shaw	32	10	1 00
E H Shaw	34	5	50
W B Reynolds	43	12	1 20
W B Reynolds	61	2	20
W B Reynolds	93	4	40
J W Cook	46	10	1 00
J W Cook	04	20	2 00
J W Cook	99	6	50
J W Cook	100	7	70
J W Cook	stock not issued	26	2 60
Bryant Forsyth	57	7	70
Bryant Forsyth	55	5	50
J A Hardin	70 71 72—ca 10	30	3 00
J A Hardin	73	9	90
D Murphy	74	5	50
Jobu Hahn	75	5	50
E Skaggs	79 80—ca 3	6	60
E Skaggs	81	10	1 00
F Consroll	83	7	70
F Consloll	84 92—ca 10	20	2 00
F Consloll	93	7	70
D M Lawrence	85 87 88—ca 25	75	7 50
Timothy Hazletine	89 90 91—ca 25	75	7 50
John Johnson	6 12—ca 8	16	1 60
John Johnson	65	34	3 40
F M Clarke	20	3	30
F M Clarkes	21 22—ca 5	10	1 00
F M Clarke	23 24—ca 10	29	2 90
E W Linsley	25 26—ca 10	20	2 00
E W Linsley	27	5	50
S E Briggs	35	3	30
T L Bibbius	30	8	80
T L Bibbius	58	3	30
T L Bibbius	59	5	50
T L Bibbins	63	5	50
T L Bibbins	56 67—ca 20	40	4 00
T L Bibbins	68	10	1 00
S W Cory	42	5	50
J W Jones	51	5	50

SOTOYOME GOLD & SILVER MINING COMPANY,

[ASSESSMENT 5 CTS. PER SHARE.]

Names.	No. Certificate.	No. Shares.	Amount
W S Stanley	5 6—ca 10	29	$1 00
W S Stanley	7	5	25
W S Stanley	10 11—ca 25	50	2 50
W S Stanley	7	5	25
R M Lawrence	20	10	50
W B Reynolds	26	17	85
W B Reynolds	29 30 46—ca 10	30	1 50
W B Reynolds	28	20	1 00
W B Reynolds	47	5	25
W B Reynolds	48	15	75
W B Reynolds	49	3	15
T L Bibbins	32 36—ca 10	20	1 00
T L Bibbins	37	5	25
J W Cook	52 77 78 70—ca 10	40	2 00
J W Cook	stock not issued	100	5 00
J W Cook	76	20	1 00
J W Cook	80	8	40
J W Cook	81 82 83 81—ca 5	20	1 00
H C Wilhoit	86 87—ca 10	20	1 00
H C Wilhoit	stock not issued	80	4 00
S E Briggs	38	3	15
John Johnson	41	50	2 00
S W Cory	45	5	25
J W Jones	56	5	25
Bryant Forsyth	60 61—ca 5	10	50
J A Hardin	57 68 59—ca 10	30	1 50
J A Hardin	70	9	45
E Skaggs	71	5	25
E Skaggs	72	10	50
M V Hooton	73	10	50
C Cannifo	75	10	50
T H Henderson	85	50	2 50
T A Cook, deceased, stock not iss'		212	10 60

LILY OF THE WEST, GOLD & SILVER MINING COMPANY,

[ASSESSMENT OF 5 CTS. PER SHARE]

Names.	No. Certificate.	No. Shares.	Amount
W S Stanley	12	10	50
W S Stanley	13	9	45
E H Shaw	28	10	50
S E Briggs	29	3	15
F Sampson	34	1	05
G Hopper	35	1	05
S W Cory	40	10	50
Jno McNamara	41	3	15
J W Jones	52	5	25
Bryant Forsyth	58 59—ca 5	10	50
B Ellis	64	10	50
John Johnson	67	50	2 50
J A Hardin	68 60 70—ca 10	30	1 50
J A Hardin	71	9	45
J J May	72	5	25
E Skaggs	75	10	60
E Skaggs	74	5	25
C Cannifo	77	5	25
Wm Patten	78	10	50
C C Blake	83	5	25
W B Reynolds	42	8	40
W B Reynolds	43	7	35
W B Reynolds	47	10	50
W B Reynolds	30	6	30
Wm O McCormick	79	11	55
T H Henderson	84	50	2 50
H C Wilhoit	86 87—ca 10	20	1 00
H C Wilhoit	stock not issued	24	1 20
T A Cook (deceased) stock not iss		168	8 40

And in accordance with law, and an order of the Board of Trustees, made on the 10th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on Monday the 3d day of October 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

13 Office 302 Montgomery Street, San Francisco.

Table Mountain Copper Mining Company, Stan. Islaus District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment (No. 6) of one dollar and sixty-five cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to J. M. PIKE, Superintendent, Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale.

Ordered that a deduction of Fifteen Cents per share be allowed on all payments made before September 29th, 1864 By order of the Board of Trustees.

N. G. ELMORE, Secretary

Office, No. 621 Clay street.

San Francisco, September 19th, 1864. 13-4t

Tallulah Mining Company, Sierra District, Humboldt County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of June, 1864, an assessment of $15 per share was levied upon the Capital Stock of said Company, payable immediately then, in United States gold coin, to the Secretary, at the office of the Company, No. 623 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 16th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 1st day of Nov. 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CEO. A. HILL, Secretary,

Office, No. 623 Montgomery Street, San Francisco, Cal. 12

Zenith Gold and Silver Mining Company, Mountain Ranch District, Calaveras County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 15th day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
Wm Rotch Angier	242	10	$5 00
J P Ball	59	12	5 00
H T Booracm	6 7 8—ca 25	75	37 50
H T Booracm	0	12	0 00
H T Booracm	10	10	5 00
A E Burr	222	22	11 00
W F Barnes	245	87	43 50
Josh Coulter	80	10	5 00
E Franklin	4	12	6 00
J W Fox	93	8	4 00
J M Fulton	217	5	2 50
S A Fisher	236	100	50 00
E Graham	245	2	1 00
J T Hinds	146	10	5 00
J T Hinds	104	15	7 50
J A Hunt	226	10	5 00
G H Johnson	25	10	5 00
A P Johnson	224	5	2 50
B R Johnson	234	40	20 00
W H Knapp	91	12	6 00
W S Lyons	186	5	2 50
W S Lyons	187	7	3 50
W H Lentz	199	2	1 00
W H Lentz	225	3	1 50
S H Leland	219	97	48 50
F E Nourse	244	20	10 00
Wm Osborn	51 53—ca 25	50	25 00
John Potter	241	10	5 00
J G Perkins	147	10	5 00
H G Partridge	124	10	5 00
J G Read	16 17 18—ca 25	75	37 50
J G Read	19	12	6 00
A Torning	190	10	5 00
H Regensburger	228 230—ca 10	20	10 00
H Regenshurger	229	5	2 50
H Regensburger	231	15	7 50
H Regensburger	232	50	25 00
H Regensburger	233	2	1 00
C A Tomlinson	108	5	2 50
C A Tomlinson	220	10	5 00
A F Tiblen	248	30	15 00
J M Vizinl	227	10	6 00
D Wredo	142	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 15th day of August 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 621 Clay street, San Francisco, Cal., on the 3d day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

M. C. ELMORE, Secretary.

Office, 621 Clay Street, San Francisco. 12

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

New This Week.

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 17th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Patton	1 2 3—ea 10	30	$7 50
Isabella Mayers	8	6	1 25
Henry Mayers	64	5	1 25
Geo S Soren	10	6	1 25
Jonathan Fina	13	10	2 50
W B Reynolds	15 17—ea 10	20	5 00
W B Reynolds	18	5	1 25
T A Cook	19 20—ea 5	100	25 00
T A Cook	22	20	6 00
T A Cook	25	5	1 25
A Van Fleet	29	25	6 25
R P Johnson	34	55	13 75
James N Booth	43	16	4 00
Benjamin Brady	45	10	2 50
H Crowell	46	5	1 25
E Pruitt	40 76—ea 10	20	5 00
J R Truitt	51	5	1 25
W B Reynolds	54	6	1 25
J W Cook	60	5	1 25
B Ellis	70	5	1 25
J J May	74	5	1 25
A C Dodge	75	5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 17th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, Californon the 15th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco. 14-2t

Dashing Wave Gold and Silver Mining Company.
Loomis Gold and Silver Mining Company.
Walker Gold and Silver Mining Company, Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 26th day of September, 1864, an assessment of 25 cents per share was levied upon the capital stock of each of said Companies, payable on the 29th day of September, 1864, in United States coin, to the Secretary at his office, or to FRANCIS CLARK, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 14th day of November, 1864, at 12 o'clock M., to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. HOLLIS, Secretary.

Office, No. 302 Montgomery street, San Francisco, California. 14

El Dorado Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 24th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

No. 430 Montgomery street, San Francisco. 14-4t

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 31st day of August, 1864, and previously, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
David Jones	1	20	$50 00
David Jones	2	10	20
David Jones	3	10	20
Wm Jenkins	4	25	50
Wm Jenkins	5	25	50
Olive E Turney	6	15	30
Moses Davis	8	10	20
L S Montague	10 to 19—ea 10	100	200
L S Montague	20 to 39—ea 5	100	200
Ralph Reamer	40	10	20
Ann L Wilder	43	35	70
John King	40 47 48	25	50
Henry Hammel	49 50 51	25	50
Wm A Hobbs	52 53	40	80
Wm P Hanna	56	40	80
Jacob Carpenter	57	40	80
F M Cuddy	58	40	80
L S Strode	59	40	80
T L Howe	61	20	40
George Rees	63	8	16
C L Johnson	67	10	20
L S Strode	70	12	24
F A Wilder	71	40	100
O Hockins	72	5	10
J H Hall	73	5	10
L S Strode	74	10	20
J P O'Connell	75	10	20
W N Williams	76	4	10
George Rees	77 78 79	97	194
H K Porter	82 83	40	80
Wm M Davis	84 85	64	128
W D Edwards	86	5	10
John G Williams	87	5	10
John E Williams	88	6	10
Wm Jenkins	89 00	10	20
L S Strode	95	100	200
F M Cuddy	97 08 99	278	556
John Jones	101	45	90
I. Richardson	not issued	5	10
W B Darol	not issued	100	200
John C Hay, ass'is 1 & 2, not issued		45	135

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by the undersigned, at public auction, at the Company's office, No. 528 Clay street, San Francisco, Cal., on the 17th day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

B. W. MUDGE, Secretary

Office, No. 528 Clay street, San Francisco, Cal. 14

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sausome streets San Francisco, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 28th day of September, 1864, an assessment of five dollars per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary at his office, or to JAS. B. COFFEY, Virginia City, Nevada Territory.

Any stock upon which said assessment shall remain unpaid on the 1st day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 16th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10, Government House, corner of Sansome and Washington streets, San Francisno, Cal. [14

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amonnt.
Adams, E W	not issued	15	$7 50
Byum, H S	8 22	32	16 00
Carlisle, H B J, estate, not iss'd		22 2-3	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fids, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Hawly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 76 77		80	40 00
Payne, S S	9	5	2 50
Richardson, S	19 20	20	10 60
Tauner, O	8	2	1 00
Whitton, M S	bal	7½	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	0 00
Wheeler, W J	not issued	60	25 00
Dysou, Z bal on 78 79 80		20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. [14

Mammoth Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 24th day of September, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin, to the Secretary, or to E. B. CLARK, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco. 14-4t

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately in United States Coin, to the Secretary in San Francisco, or JOHN FRICKER, Superintendent, in Mariposa.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 7th day of November, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 205 Battery street, and corner of California street, San Francisco. 14-4t

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T F Potter, Jr	104 105 to 3—ea 10	30	$15 00
T F Potter, Jr	106	5	2 50
M D Plummer	108	50	25 00
M D Plummer	196	16	8 00
L M Plummer	109	5	2 50
C M Williams	141	10	5 00
F T Eisen	153	10	5 00
Geo Eisen	154	10	5 00
T L Bibbins	172	25	12 50
John Hill	242	25	12 50
J K S Latham	178	10	6 00
Arnold Lindau	182	19	5 00
A Touping	183	10	5 00
R D Chandler	201	5	2 50
W B Bourn	191	53	26 50
W B Bourn	192	37	18 50
E W Linsley	216	10	5 00
H B Forrester	203	15	7 50
Thomas Cooke	205	10	5 00
John Harding	207	20	10 00
William Fleming	217	60	25 00
William Fleming	238	4	2 00
Geo S Ingersoll	219	10	5 00
O Chauvin	220	10	5 00
W B Gleason	224	2	1 00
O Richter	225	2	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, California, on the 15th day of October 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [14-2t

Rose Linda Mining and Manufacturing Company, Mokelumne Mining District, Alpine co., California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 30th day of August, 1864, (of 60 cents per share) the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J D Bristol	19	25	$15 00
E E Cannon	18	20	12 00
Mrs L O Hodgekins	not issued	50	30 00
Benj F Fish	13 14 15—ea 10	30	18 00
Benj F Fish	10	20	12 00
E D Farrington	not issued	50	30 00
Jos Shepard	not issued	50	30 00
J W Crosley	26	50	30 00
Daniel Gorham	55 56—ea 25	50	30 00
W D Beardsley	not issued	25	15 00
M Cohen	20 21 22 23 24—ea 10	50	30 00
P S Fogg	not issued	50	30 00
A Kolman	49 60—ea 10	20	12 00
A Kolman	51	5	3 00
Geo Palmer	62	5	3 00
J H Fish	8 9 10 11 12—ea 10	50	30 00
C C Culvert	not issued	25	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on Monday, the 10th day of October, 1864, at the hoar of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale

HENRY HALE, Secretary.

Office, No. 522 Clay street, San Francisco. Sept. 30, 1864. 14-3

Santa Cruz Petrolenm Oil Works Company— Located in Santa Cruz County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 22d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	Total.	Amount.
Birdsall, J M, 283 of 500 shs 574 of 200 shs, 371 of 100 shs, 575 of 50 shs, 588 of 24 shs, 192 of 15 shs—total 889 shares		$111 12
Brennan, James, no 405 of 200 shares		25 00
Brennan, James, no 591 of 300 shares—bal due		11 83
Cosgrove, P C, no 133 186 of 5 ea—10 shares		1 25
Cerf, Estelle, no 131 of 25 shs, 286 of 3 shs—28 shs		3 50
Church, J H no 124 of 10 shs, no 336 of 1 share—total 11 shares		1 37
Curle, J F, no 104 of 20 shs, no 337 of 3 shs—total 23 shares		2 87
Carr, Mrs A L, nos 211 212 571 of 5 shs ea, no 310 of 1 share—total 16 shares		2 00
Coffin, Geo F, no 472 of 5 shares		2 50
Donnolly, Thos, no 507—35 shares		4 37
Everett, A P, no 377—10 shares		1 25
Wm Hazeltine, nos 38 159 160 of 10 shs ea, 161 162 163 164 165 394 of 5 shs ea, 225 of 8 shs, 420 of 34 shs—total 102 shs		12 75
Himrod, O W, nos 6061 62 63 64 of 10 shs ea, 237 of 7 shs—total 57 shares		7 12
Hoyt, Elijah, no 213 214 of 5 shs ea, no 309 of 1 share—total 11 shares		1 37
Hyde, R E, no 370 of 100 shs, no 300 of 41 shs—total 141 shares		17 62
Hardinge, Emma, no 321 of 25 shares		3 12
Kirby, R C, no 460 of 25 shs, 494 of 20 shares—total 45 shares		5 62
Kelton, S B, no 402 of 10 shs, 498 of 17 shares—total 27 shares		3 37
Langdon, Dr S, 173 174 175 176 of 20 shs ea, 222 of 50 shs, 342 of 11 shs—total 141 shs		17 62
Mansfield, J W, no 327, 10 shares		1 25
McMillan, Dr R, nos 173 of 10 shs, 287 of 15 shs 284 of 140 shs, 491 of 25 shs—total 200 shs		30 25
Meeks, Wm, no 581 of 10 shares		1 25
Page, Nath'l, nos 13 of 30 shs, 46 of 200 shs, 67 of 100 shs, 329 of 45 shs—total 375 shares		46 87
Pinch, J F, nos 520 533 of 50 ea—total 100 shs		12 50
Roseknans, H, nos 271 of 10, 454 of 50 shares		7 50
Rider, Wm M, no 502, 10 shares		1 25
Reis, J C, no 652, 10 shares		1 25
Stewart, J M, 21 of 50, 263 of 7 shares		7 12
Smith, Capt Jas S, 396 of 10, 469 of 10 shares		3 62
Slocum, W N, no 490 of 52 shares		6 50
Steen, J F, no 519 of 25 shares		3 12
Tennent, Thos, no 593 of 57 shares		7 12
Thomas, Capt R T, 390 of 14 shares		1 75
Winship, Edward, 230 of 6, 525 of 25, 533 of 50 shs—total 81 shares		10 12
Winter, Gabriel, 440 of 10 shs, 441 of 33 shs		7 87
Wilson, Elizabeth M, 473 of 20 shares		2 50
Watkins, C E, no 572 of 13 shares		1 62
Waldron, Mrs A, no 587 of 15 shs		1 87

And in accordance with law and an order of the Board of Trustees, made on the 22d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Cobb & Sinton, 406 Montgomery street, San Francisco, on Monday, October 10th, 1864, at one o'clock, P. M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale, unless previously paid.

J. A. RAWSON, Secretary.

Office, No. 338 Montgomery street.

September, 30th 1864. 14-2t

Scott Mining and Exploring Company, Humboldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 28th day of September, 1864, an assessment of 33⅓ cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company.

Any stock upon which said assessment shall remain unpaid on the 8th day of November 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 23d day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. 14-4

United States Mining Company, Virginia District, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of September, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, or to J. B. COFFEY, Virginia, Nevada Territory

Any stock upon which said Assessment shall remain unpaid on Monday the 31st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday the 16th day of November, 1864, at 12 o'clock M., to pay the delinquent assesment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10 Government House, corner of Sansome and Washington sts., San Francisco, Cal. [14

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Importers and Manufacturers of
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Expressly for our Family Trade. Genuine New Orleans Molasses, Golden Syrup, Coal Oil, Choice Isthmus Butter, Extra Family Flour, Corn Meal, Etc., Etc., together with a great variety of
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The most perfect machine for the separation of the different kinds of grain that has ever been offered for sale.

The above Machines are on exhibition at the Pavilion, where visitors are requested to call and examine them, and where a full explanation will be given of their working operations. 7-df

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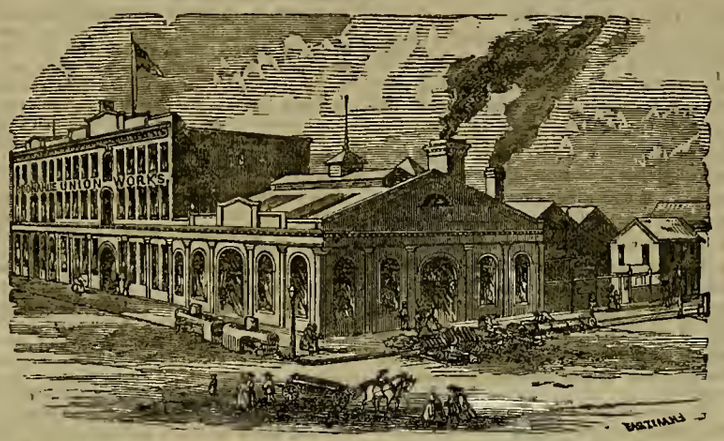
SAN FRANCISCO, SATURDAY, OCTOBER 8, 1864.

VOLUME IX. Number 15.

THE UNION IRON WORKS.

In the building of the Mechanics' Institute, on California street may be seen the steady bearing of an ocean propeller, the first iron casting ever made on the Pacific coast. The iron was melted by the aid of two blacksmith's bellows, in a rude furnace fitted up in a tent on the beach. This work was done by Messrs. James and Peter Donahue, and was the initiative step towards the establishment of the pioneer Foundry in this city, now known as the "The Union Iron Works." The Messrs. Donahue continued as proprietors until the decease of James, about two years since. The energy and enterprise of these gentlemen, both of whom were skillful mechanics, soon built up a large business, which has grown with the growth of our city and State, until it will now bear a favorable comparison with many of the leading foundry establishments in the Atlantic States. The building which covers the main portions of the works is constructed of brick, three stories high, above the basement, which is also filled with machinery, and has a frontage of 187½ feet on Front street. The rear buildings extend through the block to Fremont street—275 feet. The moulding shop has a frontage on Mission street of 120 feet.



This establishment already contains the heaviest and most extensive machinery and tools on the coast, except those of the Government at Mare Island, to which will soon be added two monster planing machines, which will plane six feet wide, six feet high, and twenty-four feet long, with double heads, and weighing thirty tons. These machines are nearly or quite as large as any in use at the East. They are now on their way thither from New York. They have already a lathe in their shop which weighs twenty-five tons. The moulding shop has been doubled in its capacity this season, and the boiler shop extended through to Fremont street. The boiler department is the most extensive and complete in the State; all the punching, riveting, shearing and rolling machinery being driven by steam. The number of boilers which this firm has made the past year has been about 100—nearly two per week. The number of workmen employed, during the busy season, is from 200 to 250. About 1,500 tons of pig iron, 250 tons of boiler iron, and 400 tons of bar iron and shafting are consumed yearly. The new wrought iron shaft of the Moses Taylor, was made at this foundry, and built up from the original faggots—the only piece of work of the kind ever attempted on the Pacific coast. No other foundry in the city would have attempted such a piece of work.

They are now erecting a new engine of 100 horse power to drive the works. This engine is of superior make and finish, and is furnished with a new and improved cut-off, which works direct from the governor, making a great saving of fuel over the ordinary engines in use. This establishment has furnished the extensive castings and machinery for the San Francisco Gas Works and the mammoth pumping machinery, engine and boiler for the Independent Coal Company, of Mount Diablo. An engine, and boilers, of 135 horse power for the extensive saw mill of Amos Phinny & Co. is now in process of construction at this establishment. They have just finished a 60-horse power engine and boiler for a Mexican mining company, which will be shipped by the next steamer. The firm are agents for, and manufacture, Woodward's celebrated steam pumps. They also manufacture the new Wheeler & Randall pan, Varney's pans, and the latest improved crushing and amalgamating machinery now in use.

The present firm consists of Peter Donahue, H. J. Booth, and C. S. Higgings. The first named gentleman has now been in the foundry business in this State for fifteen years, and brought with him to this country an already ripe experience as a foundry man and machinist at the East. Mr. Booth is well known to the mechanics and mill men throughout the State, for many years, as the former manager of and leading proprietor in the Pioneer foundry at Marysville, which is the largest and most complete, and acknowledged to be the best conducted establishment of the kind in the State outside of San Francisco. He left that establishment some two years since to take an active part as a manager and proprietor in the Union foundry in this city. With Mr. Higgins we are less acquainted, but it is sufficient to say that he is keeping very enterprising company.

The accompanying engraving was made sometime since, and although a familiar representation of Messrs. Donahue & Co's works as they were, is hardly up with the recent improvements. We regret the absence of Mr. Donahue from this city at this time, who alone is able to furnish full facts concerning the early establishment of this the first and leading foundry of the coast.

SALE OF THE "WASHOE."—The ill-fated steamer "Washoe" has been sold to the Oakland Ferry and Railroad Company for "something under $20,000." She will be rebuilt in a proper manner for her new service, after the style of the Philadelphia ferry boats. She will be supplied with entirely new boilers. Her whole lower deck will be left open for teams, without any side entrances, and the passenger cabins will occupy the upper deck. The stern will be lengthened, and the deck ends rounded. The new ferry boat will be ready for service in about two months. Capt. Kidd has been a heavy loser by his steamboat ventures, having lost the Nevada entirely and the Washoe in good part; and it is generally understood that he has abandoned the attempt to establish an opposition to the Navigation Company on the inland waters of California; although from our knowledge of the untiring energy and perseverance of the Captain, we should not be at all surprised to hear, at an early day, that he has laid the keel of a still larger steamer than either of those which he has lost.

THE AWARD OF PREMIUMS.—We have purposely refrained from publishing the reports of premiums awarded, as given in the daily press of the last week, from the fact that those reports are entirely unauthorized and very incorrect. We shall publish them in full as soon as we can obtain a complete and official copy.

THE CALIFORNIA FOUNDRY.

This establishment is situated on Fremont street, near Market. It is of recent origin, having been commenced in April, 1861, by Young & Brodie, but the firm is now known as Brodie & Co. Their business is confined especially to house and ornamental casting, of which class of work they do the heaviest in the State. The iron work of nearly all the recent structures in this city, so creditable to us as a people, issued from this foundry. We might instance the McCreary buildings on Montgomery and Pino streets, and Maguire's splendid new theatre adjoining. The work, however, most creditable to the firm and the State, are the Corinthian pillars and arch forming the portico of Donohoe's new bank building on Montgomery street, recently completed. These four pillars are each fourteen and a-half feet high, and one foot four inches in diameter. The arch surmounting them weighs four tons—the largest of the kind so far made in the State. The entire work is admitted to be chaste and elegant, bearing the strongest testimony to the growth of mechanical art amongst us. This firm employs twenty-five hands. Their largest casting is the arch already spoken of—almost the full capacity of their cupola—which, to meet the growing demands of their business, is to be immediately enlarged. They consume about 104,000 lbs. of iron a month, with 20 tons of coal and a proportionate amount of lumber. This firm is composed of enterprising men, mechanics by education and profession, who owe their respectable position to their industry. A few years, no doubt will show us the California Foundry, if conducted with the same energy and enterprise as heretofore, as one of the leading casting establishments in the State, and a proud evidence in itself of its wondrous mechanical growth.

The accompanying engraving is not a fair illustration of the present works of the California Foundry, the buildings have been so greatly improved and extended during the past three years.

MINERAL PAINT.—In the further portion of buildings connected with the Miners' Foundry, a manufactory of mineral paint has recently been established, which bids fair to assume considerable importance in that line. The mineral from which this paint is made is found in great abundance on Red Island, about ten miles from the Bay. It consists of very fine clay, almost entirely free from grit. It occurs of almost every shade of color from a pure white, running through all the various shades of yellow, red, green, etc. When thoroughly ground, as it is at this establishment, it forms a most beautiful and durable paint, for most purposes far superior to white lead, and at a mere trifling cost compared with lead. It is capable of receiving a high polish, and two or three coats form a very important preventive against fire.

PERSONAL.—We notice among the late arrivals from the East that of Capt. Paul, formerly superintendent of the New Almaden Quicksilver mine. The Captain contemplates an early visit of observation to the Washoe mining region.

ESMERALDA CORRESPONDENCE.

AURORA, Sept. 25, 1864.

EDITORS MINING AND SCIENTIFIC PRESS:—Allow me a word in your valuable paper, descriptive of the mines of Esmeralda District and their management.

LAST CHANCE HILL.

On this hill are situated many of the mines once noised through the streets of your city. The Juniata has rich rock and a pretty good supply of it, but it has been so miserably managed, both at the mine and in the reduction of the ore at the mills, that it has failed to pay. The Empire, Wide West, Ural, and the Real del Monte are all known to be good mines, but injured by bad management. The last named has taken out nearly a million dollars and ought, with proper management, to have divided at least one third of that amount amongst the shareholders, instead of levying the heavy assesments they have; but what else could be expected of managers who have not a solitary member who is a practical miner—not one who knows what a day's work in a mine is—who knows how to drill a hole to advantage (excepting in the pockets of stock holders,) or can tell whether the laborers are doing right or wrong. The consequence is, the foremen, or superintendents are but seldom seen in the mine at all. They spend their time about the town, talking politics, playing cards, or loafing generally. They may perhaps manage to ride up to the claim once a day, or every alternate day, and look over the surface—being too lazy or indifferent to go into the mine—and return, knowing as much of the work, needs and wants of the mine, as they did before going up; and for this they draw the moderate pay of from $10 to $20 per day, whilst the workmen are allowed to do as they please, work or not, and allow every thing to go to rack and ruin.

It is high time that men who invest in mines know how they are managed, and appoint good practical miners for that purpose, who will be at their posts attending to their business at all times, and cast aside those pretending, *kid gloved* humbugs who are afraid to enter a mine least they might dirty their fine clothes, and baadbox dandies who know nothing, and care less, of the interests of the mine and stockholders to whom he is very careful to preseat his hill. Stockholders! until there is a change in these affairs your dividends will be few and far between!

MIDDLE HILL.

This is evidently the rich hill of the district, and the one, too, which will yet bring fame and wealth to Esmeralda. At the crown of this hill there is a grand concentration of all the leads—a fact which is clearly proven by the dips, angles, and bearings of all the leads of the hill, so far as they have been proved. At this point there is evidently an immense body of wealth. Immediately under this point and running directly into it, is the Oxford Beta Tunnel, which is being pushed forward steadily, day and night, under the able management of Capt. T. Lytle, who is well known in Butte county, Cal., for his energy and enterprise, and where he has conducted the largest mining operations of the State. I can safely say the Oxford Beta is one of the very best managed claims in the district. The location is good and I predict a bright future, and a rich reward to the lucky owners.

Above this, some distance, is the Esmeralda, a large and valuable silver mine, under the supervision of W. H. Sewell, a clever lawyer, but no miner. There is but little doing on this and it is well there is not; for under bad management it would run the company into bankruptcy. Near this is the Wianamucca, a good lead also, but very poorly conducted—in fact, with hardly energy enough to do any thing. Below this, to the north, lies the Silver Hill, the Eutaw under Wm. Davis, Iowa, Young Wianamucca, and many others; but all more or less worthless through inefficient management. Next is the Antelope, a good mine and one that has been ably managed, under the guidance of J. Matchell, who has now resigned, owing to trouble with the Young America, and a kid gloved hotch has taken his place. I predict a blacker future for the Antelope. Near this is the Young America—most ruinously managed under the direction of Price & Milsop. The claim is rich beyond all question, but with such barefaced conduct, the company will never see a dividend. Companies have yet got to learn that there is more in the management of a mine to make it pay than in the rock itself. Below this are the Lady Gertrude, Gov. Stanford, and several other tunnels, all of which are being pushed forward with vigor and with fair prospects.

Respectfully Yours,
J. S. MILLER

We are not personally conversant with the facts concerning the above communication, but as the author, in a very commendable style, has endorsed his statements with his own name, we have no hesitancy in allowing him that responsibility.—[EDS. PRESS.

[Written for the Mining and Scientific Press.]

Calaveras County.

The mining district of Mill Valley embraces a scope of country between the Jesus Maria and Murray creeks, and is comparatively speaking little prospected for either placer or other diggings, notwithstanding its close proximity to old mining camps, and the abundant local evidence to be seen of its mineral wealth.—Several years ago a number of quartz veins were located here and some partially opened, prospects obtained which at this time would be called handsome, but for some reason or other, all or nearly so, are entirely abandoned, lying idle. With the exception of the Salamander Gold and Silver Mining Co's claim, which I am opening for that company, I don't know of another now being worked in the district. This is one of those old claims I spoke of as having been partially prospected years ago and abandoned. It was relocated by this company last summer, work commenced on the tunnel which was intended to cut the lead, and which has been prosecuted diligently ever since. It is now within twenty-five feet of the main lode, having been run one hundred and seventy-five feet through hard iron stone. We are now cutting through a distinct and seperate vein, but of what size or quality it is I am unable to say at present. I merely mention this fact in connection with the progress on the tunnel, for the information of those who may own shares in the mine, and are ignorant of its condition.

The lead on the surface prospects well and has been opened in several places, but without reaching a depth sufficient to warrant me in speaking of its probable value. However, the tunnel I am now opening will enable me to do so at an early day, and with your permission, through the columns of your valuable MINING PRESS, I will give to those interested a correct statement of the condition and prospect of the mine. I am aware that the MINING AND SCIENTIFIC PRESS is the proper medium for us miners, to convey whatever information we may have in relation to the mines, or mining operations to the general public, and on the other hand, it is the only paper from which the general reader can successfully seek this kind of information. Miners should bear these facts in mind, as it is the only manner in which we can concentrate into an intelligent focus, all our knowledge on this important interest in which we are engaged. This is well understood here among us miners, and I assure you I cannot keep the PRESS twenty-four hours, so many there are who want to see it. Were it not for this dry season, and consequent hard times, I could increase its circulation four fold, and shall do so this winter. R. W. D.

MILL VALLEY, Sept. 26th 1864.

A TERRIFIC BOILER EXPLOSION occurred about six o'clock, on Wednesday evening last, in the basement of Mr. Ills' salt water bathing establishment near the North Beach railroad terminus. The explosion made a perfect wreck of the building, and several smaller ones adjoining. The engineer was terribly scalded and badly injured otherwise. The cause of the explosion is attributed to the bad condition of the boilers, the flues of which were badly choked up with rust and salt. The proprietor it is said was fully aware of their unsafe condition, and intended to replace them *at an early day!* The alarming frequency of such accidents, calls for the prompt initiation of some steps to put a check upon such a careless employment of steam. Had the accident occurred at an earlier hour, the loss of life must have been large.

TURBINE WHEELS.—A correspondent sends the editor of the Scientific *American* the following question; perhaps some of the manufacturers and inventors of turbine wheels in this State can answer the query: "With a pressure of 100 feet and 25 inches of water (that is, what water would run through a space five inches square, with six inches head on,) [measuring, we presume from the center of the opening,] what would be the power of a turbine wheel five feet in diameter? Also, one using 144 inches of water, 50 feet pressure, and 7½ feet in diameter?

Letter from Los Angeles County.

TAHEECHAYPAH VALLEY, Aug. 24, 1864.

EDITORS MINING PRESS:—I arrived here three days since from El Paso district, by invitation from P. D. Green, Esq., the only Union man located in this part of the State, so far as I can learn. Mr. G. has been engaged most of the time for eight years past in placer mining in this valley, with moderate success, and is now effecting arrangements for enlarging his operations, during the approaching rainy season, which will without doubt, very much increase his receipts. I shall take an early opportunity to look over the district and report to you hereafter. This change affords me an excellent opportunity to recuperate, after a stay of seventeen months in the hot, dusty, barren cañons of El Paso. The climate here is delightful beyond anything I have met elsewhere in the State. The thermometer ranges, in the hottest weather from 70° to 85°, in the shade; rains have fallen often during the summer, and we have the bracing ocean breeze most of the time, though much milder than around San Francisco Bay, coming as it does over the plains lying west of the Sierra Nevada, in a pass of which this valley is located. Every variety of fruit and vegetables are easily raised here, but the inhabitants exhibit very little ambition in that direction.

The horrible news reached me, last evening, of the murder of Mr. Geo. W. Yarbrough, of El Paso, by Indians, while passing from Mesquit Springs to Laurel Hill, on the morning of Thursday, Aug. 18th, with a pack mule loaded with supplies for his camp. Mr. Yarbrough was Superintendent of the operations of the Yarbrough Mining Company, in El Paso, and was highly esteemed by all who knew him, and his loss is felt as a terrible calamity upon our little community. The company continues the work in their drift, with great encouragement, from a change in the rock, which denotes a near approach to the lead. C. W. T.

Communicated.

EDITORS PRESS.—I regret to learn that the writer of "The Mathematics of Mining" persists in demanding certain conditions of compliance on my part, ere he will expose his budget of facts. He does not appear to be animated by the spirit of the girl, who said, that of all names labeling humanity, she thought her own name of Joaes the prettiest, and of all names she most despised, there was none worse than that of Sniggles; but that she so much pitied a nice young man possessing such a name, that she really felt like helping him to sustain his mortification through life. As those threatening "facts" are unknown quantities, which I should not object to seeing algebraically represented by the symbol x, and the name of "Pundit" (pardon me for quoting the remark of an appreciative critic,) "is a mathematical immensity which must be *major* to all other things so long as human existence depends upon the addition of *minors*," therefore those momentous facts must continue to remain in secret trust, and the ancient name of "Pundit" like a laurel leaf still retain its honorable connection with a branch of the human family first watered by the flood of Noah though not out in the wet.

Pundit has wasted no powder in his aim, whatever he may have done in regard to the game, for that "or" filled no necessary crevice of his investigation; he is content to leave the analysis of typographical errors with verbal assayers and microscopic soothsayers. In his correction, Mr. Easton places in plain view one of the objects of my strictures, the application of the term "primitive" to the obviously sedimentary rocks of California. Another column of the PRESS shows that my position is sustained by the State Geologist, and that our auriferous sedimentary rocks are of a comparatively recent geological birth.

PUNDIT.

THE CRANBERRY CROP, on Cape Cod is a failure, the present year. The Barastable *Patriot*, in noticing the fact, says the failure will be less regretted, by consumers, in consequence of the present high prices of sugar. The cause of the failure is said to be the appearance of the "vine worm." From present indications there will not be more than half the usual crop in that section of the State. The worm has done so much damage that in the single town of Harwich the cranberry crop will be two thousand barrels less than that of last year.

YIELD OF LAKE SUPERIOR COPPER ORE.

The Lake superior Copper region is divided into three great copper districts, known respectively as the Keewena, Portage Lake and Ontonagon. Portage Lake being the central division may be taken as a fair representation of the entire region, and the operations of the six leading mines there will serve as a good illustration of the whole. A statement of their operations was recently made as follows:

Mines.	Aggregate Cost of Stock.	Cost per share	Total value of Mine.	Dividends
Quincy	$160,000 00	$8 00	$1,900,000 00	$380,000 00
Pewabic	120,000 00	6 00	1,200,000 00	240,000 00
Franklin	80,000 00	4 00	1,000,000 00	60,000 00
Isle Royal	250,000 00	12 00	600,000 00	
Huron	340,000 00	12 50	800,000 00	
Grand Portage	50,000 00	2 50	800,000 00	
	1,000,000 00		$6,400,000 00	$640,000 00

The mines of Portage Lake yield something like fifty per cent of the whole copper productions of Lake Superior. The principal mine in the district as will be seen from the above table is the "Quincy." The following particulars with regard to the yield of this mine will be read with much interest by California miners. In 1863 the percentage of the yield of all the ore from this mine was only *two and three quarters per cent.* The profits of the year's business was in round numbers $380,000. The company paid two dividends of six dollars per share each, and carried forward six dollars more per share, all out of the profits of 1863, and from 2¾ per cent rock mined in a locality where the cost of living is fully as great as it is in California. The low percentage of the ore taken from this mine, and the large profits derived, must serve as a source of much encouragement to our California copper miners, who are throwing away thousands of tons of ore every month which will yield double the percentage named as the aggregate yield of this mine. Quincy shares sell in Boston at $102. We have collected the above facts from two articles on the Lake Superior mines; one of which we found in the Philadelphia *Mining Journal*, and the other in the New York *Journal of Commerce*, each very good authority. In addition to the above we add the following from the latter paper:

The stimulus imparted by the high price of metals, and we might add the rage of speculation, has thrown large amounts of capital into mining operations, developing with a rapidity before unknown, the rich products of the region bordering on the northern lakes. Marquette, which is situated about half way between Sault Ste. Marie, at the entrance of Lake Superior, and Ontonagon, at the farthest extremity of the mineral range, is the great centre of the iron interests from which the shipments are made. The business done there this season will exceed that of any former year. In one day last month there arrived at that port (where are extensive wharves and apparatus for receiving ore by rail direct from the mines, some fourteen miles distant) seven steamers, nine propellors and twenty-eight sail vessels, all bringing supplies from Detroit, Cleveland and Buffalo, and returning with ore for the smelting furnaces. In a single fortnight, in July, the shipments of ore exceeded 20,000 tons, and from the opening of navigation to the close of that month the shipments amounted to 90,000 tons, exclusive of a large quantity of ore already converted into pigs. For the whole season the value of exports from Marquette will be not far from $2,000,000, according to present estimates.

To travelers, thousands of whom visit the lakes every year, attracted in part by the picturesque scenery, the copper mines are more interesting than the deposits of iron. The latter present little more than an ordinary embankment, from which masses of ore are thrown down to the common level for transportation, while copper is taken from the earth at a great depth, and, when freshly broken, captivates the eye by its brilliant colors of gold and green, intermingled with sparkling quartz; and the crystalizations are often so fantastic as to attempt profuse expenditures on the part of those searching for souvenirs of that far-off region, isolated from the rest of the world six months of the year.

HOW TO PAY THE WAR DEBT.—We are well aware of the locomotive proclivities of the citizens of the United States, but we are not quite ready to accept the idea of an Eastern writer who says that a tax of twenty-five cents on each person who travels fifty miles and over on a railroad in the United States, would, in a few years, produce sufficient revenue to pay off the war debt.

The Formation of Chloride Ores.

Professor Silliman, during his visit at Austin, Reese River, favored the citizens of that place with a very interesting lecture on the "Mineral Resources of Lander County." Among other interesting things touched upon was "how came the ores near the surface to be chlorides, while those at a greater depth were of sulphurets?" His theory of the formation of the chloride ores of the Great Basin, and the former condition of that region, appears to be quite satisfactory, and will doubtless be generally accepted as correct. We copy from the Reese River *Reveille*:

The learned Professor, in explaining this, presented before us the Great Basin of Nevada as one vast sea of intensely salt water, heated and boiled by volcanic fires, the evidence of which can be seen in every part of the Territory. The action of this hot salt water had a similar effect upon the silver bearing veins to the roasting of the ores in contact with salt, as is now done at the reduction works. Salt, as is well known, is the chloride of sodium, formed of chlorine and soda, where for a long time in contact with silver, or more particularly, with a sulphuret of silver, which is silver chemically combined with sulphur, the chlorine having a great affinity of silver, joins it, displacing the sulphur, and the new combination is chloride of silver, the ore so plentiful throughout this section. The subterranean fires that heated the waters have almost entirely disappeared and with them the boiling ocean. This hot water penetrated the earth with its salt to the depth of twenty, forty or eighty feet, as the rock would permit, and whenever coming in contact with a sulphuret ore changed it into a chloride, as we find it. In many lodes the sulphuret ore is not all transformed. In some the veinstone is very hard and appears to have protected the sulphur from contact with the liquid chloride of sodium, in others throughout the seams of rock, the change has taken place, while in the central part the black sulphuret in a very pure state still exists.—These sulphurets near the surface, or where associated with chloride ore, are considerably different from those taken at a greater depth, and appear to have undergone a chemical change. The question then is, how was this chemical change produced, if not by contact with a hot solution of salt? It is by these means alone that the change can be made artificially. The presence of salt is required, and salt is abundant in the country. Heat also is required, and there is still evidence of the existence of volcanic fires. These have not yet all passed away. Throughout the Territory, perhaps more than in any other part of the world, are hot springs, still boiling, bubbling and steaming away. Some have become cold, others are but warm, as if the internal fires that heated them had receded beyond their deep subterranean channels. The same cause that has removed the internal heat, has probably furnished the drain of the surface waters, and leaves the country in the singular condition of a basin, without an outlet to the sea.

Boot and Shoe Manufactory.—It is stated that several persons of energy and capital have it in contemplation to establish in this city, a manufactory, on a large scale, for custom made boots and shoes, to be fitted up with all the recent improvements in economical machinery, etc. It is estimated that the annual expenditure in this state for these articles of indispensible wear is not less than five millions of dollars. The late Mechanics' Fair exhibition, has shown that we can produce both a fair quality of goods of this description, and also the raw material out of which they are made.

Expeditious Post Office Work.—The mail by the last arrival of the Golden Age, was the largest ever received on this coast, and it was all sorted and distributed within twenty-four hours after its arrival, notwithstanding that it consisted of 70,000 letters and 180 large sacks of newspapers. This is said to be a feat unequaled by any Post Office in the Union.

Carson River is unprecedently low at the present time. The *Enterprise* says it looks like rather an insignificant stream to be dignified with the appellation of "river," being a mere rivulet wandering among a chaos of sand bars.

Rich Quartz.—The Monitor Company, at Sugar Pine, Tuolumne county, sent a ton of quartz from their vein to San Francisco, to be properly tested. The result was that by working process the rock yielded five hundred and sixty dollars per ton. The lot was taken directly from the lode, without selection.

"Give me Three Grains of Corn, Mother."

BY MRS. EDMOND.

[The above words were the last request of an Irish lad, dying from starvation. His mother found three grains in a corner of his ragged jacket and gave them to him. She had no more; the whole family were perishing from famine.]

Give me three grains of corn, mother,
Only three grains of corn,
It will keep the little life I have,
Till the coming of the morn.
I am dying of hunger and cold, mother,
Dying of hunger and cold,
And half the agony of such a death,
My lips have never told.

It has gnawed like a wolf at my heart, mother,
A wolf that is fierce for blood,
All the live-long day, and the night beside,
Gnawing for lack of food.
I dreamed of bread in my sleep, mother,
And the sight was heaven to see;
I woke with an eager famishing lip,
But you had no bread for me.

How could I look to you, mother,
How could I look to you,
For bread to give your starving boy,
When you were starving too?
For I read the famine in your cheek
And in your eye so wild,
And felt it in your bony hand
As you laid it on your child.

The Queen has lands and gold, mother,
The Queen has lands and gold;
While you are forced to your empty breast
A skeleton child to hold;
A babe that is dying for want, mother,
As I am dying now.
With a ghastly look in its sunken eye,
And famine upon its brow.

What has poor Ireland done, mother,
What has poor Ireland done,
That the world looks on and sees us starve,
Perishing one by one.
Do the men of England care not, mother,
The great men and the high,
For the suffering sons of Erin's Isle,
Whether they live or die?

There is many a brave heart, mother,
Dying of want and cold,
While only across the channel, mother,
Are many that roll in gold.
There are rich and proud men there, mother,
With wondrous wealth to view,
And the bread they fling to their dogs to-night
Would give me life and you!

Come nearer to my side, mother,
Come nearer to my side,
And hold me fondly as you held
My father when he died.
Quick, for I cannot see you, mother,
My breath is almost gone,
Mother! dear mother! ere I die,
Give me three grains of corn!

Burglars Shot.—Two notorious burglars were shot by officers Green and Coulter, on Monday night last. They were met under suspicious circumstances, loaded with goods, ordered to halt, which they declined to do, but threw down their goods and ran. One was shot through the thigh, and the bone so badly injured that amputation was found necessary; the other was shot in the arm so badly that amputation in his case was also found necessary; a third was arrested and taken to the calaboose. The three are well known as desperate fellows.

The Aurora Homicide.—The coroner's jury, in the investigation of the killing of C. E. H. Wheaton, in Aurora, on the 29th ult., found that he came to his death at the hands of W. B. Lake, and that the act of said Lake was justifiable homicide. Mr. Lake is well known in this city and elsewhere, a sa gentlemen of unimpeachable character, slow to take offense, and never known to provoke a quarrel. There can be little doubt but that the verdict above given was fully justified by the facts in the case.

A Noble Act.—H. D. Cogewell, of this city has tendered by letter, to the Sanitary Commission, through its Secretary, the Rev. O. C. Wheeler, the rent of a certain building, now renting for $75 per month, the entire proceeds of which are to go for that object during the continuance of the war. Such a noble act is especially worthy of honorable mention.

Hanscom's Crusher.—We understand that Mr. Hauscom is now making one of his crushers, of small size, for Holt & Co., of Humboldt. The work performed by this machine attracted much attention at the recent Fair, and will doubtless secure many orders for them.

Coal Mining in China.

The only coal mines in China, of which we have any account, are located about five miles north of Kuh-shan-kau, and not far from the city of Pekin. The editor of the China *Mail*, recently visited these mines and makes the following brief report, which will be interesting, as showing the manner in which the Chinese carry on mining operations at home:

There are but fifteen shafts open, each of their entrances being enlarged into a room, where the colliers sleep and eat at times, though more comfortable dwellings have been built for overseers and contractors. We engaged a miner to show us down the largest shaft, which measured on the average only 4½ feet high by 5 feet wide; it is cased with willow sticks in a secure manner, and the roof is particularly well guarded. The bottom is lined with the same to form a ladder, up and down which the miners travel in their daily labor. This shaft is about 150 feet deep, and the ladder down to the diggings is, perhaps, 600 feet long. The coal is secured on small wooden sledges, and drawn, as the miner slowly crawls up along the narrow and slippery steps, by a strap passing over his forehead, each load weighing 80 catties. One workman brings up six loads as his day's work. The sides of this shaft showed the width of the veins of coal, but the top and bottom were not dug out. The whole, was very dry, owing probably to its elevation up the hill; but some shafts had been abandoned from wet and bad air, and their mouths closed. The laborers are hired out by contractors, who sell the coal to the dealers coming from Pekin and elsewhere; it is all carried away on the backs of camels or mules, and it is a painful sight to see the unwieldy camels coming down the rocky, uneven road, bringing their loads of coal. It is delivered in Pekin at about three piculs for a dollar, and a large part of the price is for carriage. The coal is hard, but each examination as the time afforded disclosed not a vestige of a stump or leaf to compare with the fossils of other coal regions; more careful researches will doubtless bring to light some indications of this kind, enabling scientific men to compare the numerous deposits of soft and hard coal in this part of China with the European coal measures.

The Gold Mines of Nevada County.

Nevada is the leading mining county of California. It has the largest mining population, the largest gold yield, the most thorough system of ditches, the most profitable quartz and hydraulic mines; and within its borders many of the most important mining inventions were made or first applied in this State. The total annual gold yield of the county is probably $2,500,000; and the yield nine years ago was estimated at $4,000,000. Perhaps one-third of the gold of the county comes from quartz, in which there is a steady increase, while in placer mining there is a steady decline. The county is mainly supplied with water from four large ditches, which have cost altogether about $1,500,000. At Grass Valley, which is the leading district of the State, the principal claims are those known as the Allison, the Watt, the Fricot, the Lafayette and Helvetia, the Fellows, and the Rocky Bar. The Allison mine now yields from $10,000 to $12,000 weekly, and the rock yields from $70 to $80 per ton. The mine is 300 feet deep, and a streak of the lode from two to four feet wide is worked. The Fellows claim is a late discovery, and was extremely rich at the surface, two men having pounded out $100,000, with hand mortars, from the quartz within six weeks. The Rocky Bar mine, now owned wholly or partly by Messrs. Hentsch & Berton, was opened ten or twelve years ago. It was rich near the surface, but then became barren. It was owned by a company, and six or seven years ago was superintended by a young Irishman named Brennan, who, feeling very sanguine about the claim, sank a deep shaft a hundred and odd feet, investing all his own money and all he could borrow, and when he struck the lode he found nothing. The disappointment was so great that he poisoned his wife, his children and himself. It is said that a late examination has shown that the lode is rich at the very spot where Brennan struck it, but the lode, like many others near Grass Valley, is in two streaks, separated by barren rocks, and Brennan stopped after getting through the first streak.—*S. F. Alta.*

A cure for whooping cough is announced in France, of rather a singular character. It is inhaling for a few moments the vapor given off by the lime which has been used in the purification of coal gas.

Rev. S. D. Simonds has been suspended for one year by the Methodist Episcopal Conference. His offence is purely doctrinal, and has no reference to his moral character.

Important Decision.—Upon the 17th day of April, 1863, Charlotte L. Brown, a negro woman, went into one of the cars of the Omnibus Railroad Company, of this city, and was expelled therefrom by the conductor for the reason that she was a negro, and her presence was offensive to the white people in the car. She subsequently brought suit against the Company for five thousand dollars damages. The complaint charged substantially as stated above. The Company, through its attorney, answered the complaint by stating that Charlotte L. Brown was a negro, and that her presence was not agreeable to the white patrons of the Company, whose interests would be greatly damaged if negroes were allowed to ride on the cars.

The attorney for the plaintiff, in reply to the answer of the Company, moved to strike out all that portion of the answer which related to the plaintiff being a negro.

The motion came before Judge Pratt, of the Twelfth District Court, some days ago, and was argued by both sides thoroughly. Judge Pratt decided on Monday last, in relation to the motion, and granted it.

This virtually decides that negroes have the same right to ride in the street railroad cars that white people have, whether it injures the interests of the Railroad Company or not.

A Powerful Disinfectant.—The fumes of burning coffee have long been known to act as a powerful disinfectant. Experiments have recently been made at Paris to prove this. A quantity of meat was hung up in a closed room until decomposed, and then a chafing-dish was introduced, and five hundred grammes of coffee thrown on the fire. In a few minutes the room was completely disinfected. In another room sulphureted hydrogen and ammonia were developed, and ninety grammes of coffee destroyed the smell in about half a minute. It is also stated that coffee destroys the smell of musk, castroeum and asafœtida.

What is a "Bohemian?"—The great majority of those to whom the phrase conveys any meaning whatever, understand a Bohemian to be a reckless, ruined person, possessed of some flashes of genius or intellect, which give little light to the world, and only lead their owner astray; a man too lazy to work, and not too proud to live on fortune and chance; one degree above a beggar; utterly improvident and good for nothing; dissipated, and perhaps profligate; rude in manners, and not overclean in person; but all the while immensely self-conceited, taking a pride in his recklessness, his idleness, his dissipation and his dirt.

The Harvest in Europe.—The reports from the principal agricultural districts in England give a favorable account of the harvest, which is now being rapidly gathered in various parts of the country. The weather lately has been highly propitious—occasional falls of rain followed by abundance of sunshine and warmth. The crops in Ireland are also well spoken of, especially the potatoe crop, which is now said to have passed its dangerous stage. The continental crops are also, for the most part, encouraging.

Extremes in California.—The Sacramento *Bee* illustrates the extremes which are so often presented in California life, by noting the circumstance that a little over two years ago charity was appealed to aid some inhabitants of the Sacramento Valley who were near perishing from the effects of a terrible flood. Now charity is called upon to aid the inhabitants of Santa Barbara, who are perishing from the effects of a terrible drouth.

The Beet Cigars.—It is not generally known that the best Havana cigars are made from tobacco dipped in a solution of opium. Natural leaf tobacco never has that peculiar effect, as will be noticed upon smoking the best clean leaf in a pipe. It is the opium in a first rate cigar, and not the tobacco, which smokers get enslaved with and cannot get along without. In some of the Havana establishments, twenty thousand dollars' worth of opium a year is issued.

The Washington *Chronicle* announces that "the finishing touches to the exterior of the magnificent dome of our capitol were given yesterday. It is now completed, and stands a proud monument to American skill and mechanism." The height of the dome from the ground, on the east front, is 287 feet, and about 370 feet from Pennsylvania avenue.

Terrapins.—These animals have been found in considerable quantities in the bay of San Diego. They are supposed to be the progeny of a lot taken there some years ago from Mexico and turned loose.

The Acorn Crop.—The branches of the old oak trees in Feather river valley, says the Oroville *Union*, are bending with acorns. It is remarked by the oldest settlers as the most abundant yield ever known. Hogs and Diggers are growing fat and sleek.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

SAN FRANCISCO, SATURDAY MORNING, OCT. 8th, 1864.

Leading stocks, with scarce an exception, have been well sustained since Saturday last, and a number of them have continued to advance. Their net yield last month proves to be larger than was anticipated, and more confidence is now felt in future productiveness. The fears entertained sometime since respecting most of the Comstock claims, have given place to different views, and it is believed by many that recent developments have not only set at rest these apprehensions, but have disclosed a certain degree of wealth not calculated upon at any former period. The effect of this has been to inspire renewed faith, and to enhance prices. A number of dealers who are well informed, maintain that the present condition of some of these mines never was so promising, and that current quotations at the Board do not fairly represent their real value. They contend that the apparent deterioration of one or two mines should not unfavorably influence others known to possess intrinsic merit and giving every reasonable appearance of future permanency. But the losses sustained a few months ago, by nearly all classes should not be lost sight of or forgotten, however causeless may have been the panic which immediately followed and which still exerts a demoralizing influence over the whole market. A restoration of confidence must and will ensue if the better class of mines are enabled to pay regular dividends to stockholders, and an honest and economical administration of their affairs is adhered to.

Speculative shares are nearly all lower this week and appear to be in less favor, owing doubtless to the sudden and material rise of last week.

Legal Tender Notes have been quite active and large sales were made within a range of 51½, seller 60, and 54¾ regular way. $83,000 were sold at 53½c.

California Steam Navigation advanced from 60 ₱ cent. ($600 ₱ share) to 75 ₱ cent., at which latter rate 15 shares were sold. At the close 67½ was bid. An accumulating surplus fund and the withdrawal of opposition from the Sacramento river, have occasioned the recent advance.

State Telegraph was sold at $37 ₱ share. Pacific Insurance Company is enquired for at $109; a quarterly dividend of $6 ₱ share was paid on the 6th inst. California State Bonds are in demand at 70, and San Francisco 6s of '58 at about 61.

Savage declined from $1,550 to $1,500, rose to $1,600, then sold at $1,525, ex-dividend of $75 per foot, and closed last evening at $1,625 asked. The net revenue of this mine for the month of September, exceeded $100,000 in addition to the payment of $60,000 to stockholders. Some $30,000 were disbursed for extraordinary expenses. New deposits of ore have been met with in drifting east and west from the old works in the third level and a drift from the fourth level now discloses the wealth of the North Potosi chimney. About 160 tons of good ore are now daily hoisted to the surface and the yield of Bullion for the current month promises to exceed that of any former period.

Gould & Curry fell from $1,250 to $1,100 on Monday, then steadily rose from $1,175, ex-dividend, to $1,400 and closes at $1,360 bid. So far as we can learn authoritatively, no change in the superintendency of this mine is contemplated, nor has there been any cessation of operations effecting its regular yield of ore. Some 100 tons daily have been sent to the Company's new mill which is running up to its full capacity. It is said that a large body of good ore has been found at a point least expected.

Chollar steadily advanced from $690 to $750, within which range 44 feet were sold, and yesterday closed at $825 bid, $850 asked. The receipts of Bullion since the 1st inst., amount to about $35,000. The chimney of ore in the south mine has been traced 100 feet on the eastern face of the vein, and the lode has now attained a width of 30 feet.

Potosi is in more favor. Ten feet were sold at $720@$745. A decision from the Referee is looked for next week in the suit of this Company with the Bajazet.

Yellow Jacket rose from $615 to $650, slightly receded to $640, and is now held at $650; eleven feet were sold. Hale and Norcross rose to $420, and then declined to $350,

Ophir has been largely dealt in, and 81 feet changed hands, opening at $400, declining to $370, advancing to $415, dropping to $350, and closing at $345. The deposit of ore found recently below the seventh gallery in the old works may, it is thought, lead to more flattering developments.

Belcher is held at $800. The new machinery of this Company will, it is believed, effectually drain the mine so that active operations can be resumed. Best and Belcher is in request at $120, and Uncle Sam at $200. Overman was sold at $160.

Imperial rose to $154, 134 shares changing hands, and is now held at about $145, ex-dividend of $7.50 ₱ share paid on the 5th inst. After the payment of this dividend a considerable surplus was left in the treasury of the company.

Sheba fell from $80 to $70, rose to $75, and closed at about $72. Bullion has been in some favor and 206 shares were sold, advancing from $65 to $80, steadily receding to $68, and selling yesterday at $65. This claim is said to be one of some promise.

Burning Moscow has continued to be actively dealt in, and 1,847 shares were sold at fluctuating rates, declining from $58 to $40, advancing to $54, again receding to $40, and again rallying to $54, then falling to $41, rising to $47, and selling last evening at about $45. We learn of no good cause for the late rise in this stock.

Wide West rose to $34, receded to $27, and closes at $27. The official report of officers of the company is said to be favorable; 287 shares were sold.

Nevada, J. G., is in less favor, and 134 shares changed hands steadily dropping from $50 to $35. Blue Ledge was sold to the extent of 615 shares within the range of $3 and $1¾ ₱ share.

Lady Bryan is still a favorite speculative stock, and 848 shares were dealt in, declining from $8 to $6½, and then rallying to $7½@8½. Pride of the West fell from $8 to $3½, and then advanced to $5.

Daney fell from $27 to $14, and rose to $25; Buckeye fell from $14, buyer 30, to $9, and then advanced to $14; Golden Age and Empire sold at $17@18, and Baltic at $28@$26.

Antelope advanced from $15 to $21, and fell to $19 closing at $19; 77 feet changing hands. Real del Monte declined to $22, and rose to $27. Utah was sold at $6; Burnside at $2½; Josephine, Coso, at 4¼; Michigan at from $12 to $14, and Greene (Gold Hill) at $5¾.

Josephine Copper is in request and firmly held at $17, and Napoleon at $80. The aggregate sales of stocks since Saturday last amount to $349,273.75.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount. Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct.	U. S. Treasury	1864	
Legal Tender Notes	54	55					
California State Bonds, 7s, 1857	71	75	3,020,500			1867	
San Francisco Bonds, 10s, 1851		100	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855			329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	61	64	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	75	80	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s		48	440,000				
Marysville Bonds, 10s	75	85					
Stockton City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	200,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ₱ shars.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	67	—	2,500	$1,000		2 ₱ ct. ₱ mouth on capital stock.	Dividend of 10 ₱ ct. paid Nov. 15.
State Telegraph Co	35	—	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	87	86	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	—	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	32	—	3,000	1,000	$425		Assmn't of $25 ₱ sh levied Sept. 1.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co		27	8,000	100	$100		
Omnibus Railroad Co	100	110	10,000	100	$1 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ₱ cent.—$38.		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co		108	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	109	115	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		500	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			500	100	5,000	10 ₱ cent	90 per cent. in demand notes.
California Insurance Co			200	200	1,000	50 ₱ cent	Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5,000	100			
Eureka Coal Mining Co		20	4,000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ month on capital stock	39th dividend paid:

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, October 1.

2 shs Potosi at 720 per foot.
4 shs Potosi at 700 per foot.
12 shs Gould & Curry at 1250 per foot.
12 shs Chollar at 700 per foot.
120 shs Ophir at 370 per foot, b 10.
300 shs Ophir at 370 per foot, b 10.
240 shs Ophir at 370 per foot, b 10.
60 shs Ophir at 290 per foot, s 30.
120 shs Ophir at 370 per foot, b 10.
20 shs Daney at 27 per foot.
30 shs Imperial at 150 per share.
10 shs Burning Moscow at 58 per share, b 30.
20 shs Burning Moscow at 54 per share.
10 shs Burning Moscow at 53 per share.
10 shs Burning Moscow at 52 per share.
5 shs Burning Moscow at 50 per share.
15 shs Burning Moscow at 47½ per share.
10 shs Burning Moscow at 40 per share, s 30.
28 shs Burning Moscow at 45 per share.
10 shs Burning Moscow at 48 per share.
10 shs Burning Moscow at 49 per share.
20 shs Burning Moscow at 51 per share, b 30.
20 shs Burning Moscow at 47 per share.
10 shs Burning Moscow at 50 per share, b 30.
10 shs Burning Moscow at 45 per share, s 30.
35 shs Burning Moscow at 47½ per share.
30 shs Pride of the West at 7 per share.
20 shs Pride of the West at 7½ per share.
40 shs Pride of the West at 8½ per share.
10 shs Wide West at 32 per share.
10 shs Antelope at 15 per share.
20 shs Blue Ledge at 2½ per share.
40 shs Blue Ledge at 2¾ per share.
40 shs Blue Ledge at 3 per share, r w.
155 shs Blue Ledge at 3 per share.
10 shs Bullion, G. H., at 45 per share.
10 shs Melones at 10 per share.
20 shs Lady Bryan at 8 per share.
35 shs Lady Bryan at 7¾ per share, b 5.
70 shs Lady Bryan at 7½ per share.
55 shs Lady Bryan at 8 per share, b 30.
25 shs Lady Bryan at 7½ per share, b 5.
15 shs Lady Bryan at 7½ per share.
10 shs Nevada, J. G., at 46 per share.
10 shs Nevada, J. G., at 50 per share.

AFTERNOON SESSION.

40 shs Chollar at 690 per foot, b 30.
8 shs Chollar 695 per foot.
4 shs Chollar at 690 per foot.
40 shs Chollar at 695 per foot, s 30.
10 shs Potosi at 700 per foot.
3 shs Savage at 1500 per foot.
43 shs Burning Moscow at 52 per share.
30 shs Burning Moscow at 58 per share, s 30.
20 shs Burning Moscow at 55 per share, b 30.
10 shs Burning Moscow at 52½ per share.
25 shs Burning Moscow at 54 per share.
10 shs Burning Moscow at 60 per share, s 30.
5 shs Burning Moscow at 53 per share.
10 shs Burning Moscow at 51 per share.
20 shs Burning Moscow at 50 per share.
20 shs Wide West at 31 per share.
10 shs Wide West at 32 per share.
120 shs Blue Ledge at 2½ per share.
5 shs Blue Ledge at 2¾ per share.
5 shs Bullion, G. H., at 80 per share.
10 shs Bullion, G. H., at 80 per share.
10 shs Golden Age & Empire at 17½ per share.
20 shs Melones at 13 per share.
4 shs Imperial at 152 per share.
20 shs Real del Monte at 25 per share.
Amount of sales.....$72,125 25

Monday, October 3.

$ 1,000 Legal Tender Notes at 54 per cent.
12 shs Ophir at 400 per foot.
36 shs Ophir at 410 per foot.
24 shs Ophir at 415 per foot.
2 shs Hale & Norcross at 375 per foot.
2 shs Hale & Norcross 430 per foot.
2 shs Hale & Norcross at 420 per foot.
1 sh Savage at 1555 per foot, 30 d.
4 shs Gould & Curry at 1110 per foot, r w.
40 shs Chollar at 690 per foot, s 30.
10 shs Imperial at 154 per share.
5 shs Imperial at 153 per share.
5 shs Imperial at 153 per share, r w.
10 shs Burning Moscow at 50 per share, b 30.
10 shs Burning Moscow at 45 per share.
10 shs Burning Moscow at 43 per share.
20 shs Burning Moscow at 42 per share.
10 shs Burning Moscow at 42 per share, r w.
40 shs Burning Moscow at 44 per share, b 30.
40 shs Burning Moscow at 41 per share, r w.
23 shs Burning Moscow at 40 per share.
10 shs Burning Moscow at 40½ per share.
10 shs Burning Moscow at 41½ per share.
10 shs Real del Monte at 22 per share.
10 shs Real del Monte at 24 per share.
10 shs Nevada, J. G. at 48 per share.
10 shs Nevada, J. G. at 47 per share.
15 shs Nevada, J. G. at 47¾ per share.
10 shs Nevada, J. G. at 49 per foot, b 10.
5 shs Bullion G. H. at 85 per share.
5 shs Bullion, G. H., 83 per share.
5 shs Bullion, G. H., at 83 per share, r w.
5 shs Bullion, G. H., at 80 per share.
10 shs Melones at 17½ per share.
10 shs Melones at 16 per share.
10 shs Wide West at 33½ per share.
10 shs Wide West at 34 per share.
10 shs Wide West at 33½ per share, s 30.
2 shs Wide West at 33 per share.
15 shs Blue Ledge at 2¾ per share.
25 shs Blue Ledge at 2¾ per share.
20 shs Lady Bryan, 8 per share, b 30.
35 shs Lady Bryan at 7 per share.

AFTERNOON SESSION.

8 shs Gould & Curry at 1100 per foot, s 30.
4 shs Gould & Curry at 1180 per foot, s 30.
1 sh Savage at 1550 per foot.
12 shs Ophir at 410 per foot.
5 shs Sheba at 80 per foot.
20 shs Buckeye at 10 per share.
10 shs Burning Moscow at 50 per share.
50 shs Burning Moscow at 52½ per share.
10 shs Burning Moscow at 52 per share.
8 shs Burning Moscow at 55 per share, b 30.
10 shs Burning Moscow at 56 per share.
65 shs Burning Moscow at 51 per share.
10 shs Burning Moscow at 52 per share.
10 shs Burning Moscow at 50 per share, s 30.
61 shs Bullion, G. H., at 75 per share.
20 shs Bullion, G. H., at 57 per share.
30 shs Bullion, G. H., at 75 per share, s 30.
5 shs Bullion, G. H., at 80 per share, q 10.
5 shs Real del Monte at 26 per share.
10 shs Antelope at 19 per share.
20 shs Utah at 6 per share.
10 shs Nevada, J. G., at 50 per share, b 30.
10 shs Baltic at 27 per share.
Amount of sales.....$65,430 50

Tuesday, October 4.

10 shs State Telegraph at 37 per cent.
2 shs Potosi at 700 per foot.
20 shs Daney at 22 per foot.
5 shs Yellow Jacket at 615 per foot.
12 shs Ophir at 400 per foot, stmr day.
4 shs Gould & Curry at $1175 per foot.
5 shs Overman at 160 per foot.
39 shs Buckeye at 20 per share.
20 shs Burning Moscow at 55 per share, b 30.
10 shs Burning Moscow at 54½ per share, b 30.
70 shs Burning Moscow at 54 per share, b 30.
120 shs Burning Moscow at 50 per share.
10 shs Burning Moscow at 50 per share, r w.
10 shs Burning Moscow at 50 per share, b 5.
5 shs Real del Monte at 27 per share.
10 shs Real del Monte at 26 per share.
47 shs Real del Monte at 25 per share.
10 shs Lady Bryan at 6½ per share.
2 shs Bullion, G. H., at 80 per share.
10 shs Bullion, G. H., at 77 per share.
10 shs Wide West at 34 per share.
50 shs Wide West at 33 per share.
5 shs Antelope at 20 per share.
25 shs Blue Ledge at 2 per share.
20 shs Blue Ledge at 2⅝ per share.
10 shs Nevada, J. G., at 48 per share.
20 shs Pride of the West at 3½ per share.
40 shs Pride of the West at 4 per share.
5 shs Baltic at 28 per share.

AFTERNOON SESSION.

$15,000 Legal Tender Notes at 51½ per cent, s 60.
1 sh Savage at 1600 per foot.
7 shs Savage at $1600 per foot, b 30.
5 shs Burning Moscow at 49 per share.
55 shs Burning Moscow at 47 per share.
5 shs Justice at 46 per share.
6 shs Blue Ledge at 2 per share.
30 shs Lady Bryan at 6¾ per share.

10 shs Ruckeye at 11 per share.
16 shs Ruckeye at 12¼ per share.
10 shs Ruckeye at 12⅜ per share.
15 shs Ruckeye at 12 per share.
3 shs Sheba at 76 per foot.
5 shs Sheba at 70 per foot.
10 shs Sheba at 75 per foot.
10 shs Daney at 16 per foot.
2 shs Daney at 17 per foot.
2 shs Ophir at 400 per foot.
20 shs Green, G. H., at 1 per share.
10 shs Wide West at 34⅛ per share, s 15.
10 shs Wide West at 32⅝ per share.
12 shs Antelope at 20 per share.
10 shs Antelope at 21 per share.
Amount of sales.....$51,325 00

Wednesday, October 5.

$900 Legal Tender Notes at 54 per cent.
$900 Legal Tender Notes at 54½ per cent.
4 shs Gould & Curry at 1075 per foot, s 30.
4 shs Gould & Curry at 1100 per foot, r w.
8 shs Gould & Curry at 1100 per foot.
12 shs Chollar at 700 per foot.
20 shs Chollar at 750 per foot.
1 sh Yellow Jacket at 650 per foot.
40 shs Daney at 15 per foot.
10 shares Daney at 15 per foot.
10 shs Sheba at 70 per foot.
35 shs Burning Moscow at 45 per share.
5 shs Burning Moscow at 43 per share.
5 shs Burning Moscow at 46 per share, b 30.
10 shs Burning Moscow at 44 per share, b 30.
10 shs Burning Moscow at 43 per share.
30 shs Burning Moscow at 43 per share, r w.
6 shs Pride of the West at 6 per share.
5 shs Pride of the West at 4½ per share.
10 shs Wide West at 33 per share, r w.
24 shs Wide West at 34 per share, b 15.
10 shs Antelope at 20 per share.
20 shs Michigan at 12 per share.
10 shs Michigan at 11 per share.
10 shs Blue Ledge at 2 per share.
40 shs Blue Ledge at 1¾ per share.
50 shs Crescent Coal at 1¾ per share.
5 shs Nevada, J. G., at 42 per share.
10 shs Nevada, J. G., at 40 per share.
65 shs Lady Bryan at 7 per share.
10 shs Lady Bryan at 7¼ per share.
60 shs Buckeye at 12 per share.
10 shs Blue Ledge at 14 per share, b 30.
10 shs Green, G. H., at 4½ per share.
8 shs Bullion, G. H., at 71 per share.
20 shs Josephine, Coso, at 4¼ per share.

AFTERNOON SESSION.

8 shs Gould & Curry at 1090 per foot.
52 shs Daney at 14½ per foot.
5 shs Nevada, J. G., at 40 per share.
15 shs Wide West at 32 per share.
10 shs Wide West at 32¼ per share, b 30.
10 shs Wide West at 34 per share.
5 shs Wide West at 30½ per share.
35 shs Buckeye at 10¼ per share.
30 shs Buckeye at 9½ per share, s 10.
90 shs Pride of the West at 5 per share.
20 shs Lady Bryan at 7 per share.
10 shs Antelope at 20¼ per share.
50 shs Burnshie at 2½ per share.
20 shs Burning Moscow at 44 per share.
20 shs Burning Moscow at 47 per share, b 30.
10 shs Burning Moscow at 43½ per share.
20 shs Burning Moscow at 43 per share, r w.
30 shs Burning Moscow at 40 per share, s 30.
10 shs Burning Moscow at 45 per share, b 30.
10 shs Burning Moscow at 42½ per share.
10 shs Burning Moscow at 42 per share, r w.
1 sh South San Francisco Homestead at 280 per share.
1 sh South San Francisco Homestead at 271 per share.
Amount of sales.....$35,291 00

Thursday, October 6.

6 shs Gould & Curry at 1110 per foot.
4 shs Gould & Curry at 1140 per foot, s 30.
4 shs Gould & Curry at $1155 per foot.
3 shs Yellow Jacket at 650 per foot.
1 sh Yellow Jacket at 645 per foot.
1 sh Yellow Jacket at 640 per foot.
2 shs Hale & Norcross at 350 per foot.
120 shs Daney at 15 per foot.
120 shs Daney at 14 per foot.
80 shs Daney at 15 per foot.
20 shs Pride of the West at 6 per share.
5 shs Wide West at 30 per share.
16 shs Wide West at 28 per share.
10 shs Wide West at 28 per share, r w.
60 shs Lady Bryan at 7¼ per share.
10 shs Lady Bryan at 7 per share.
70 shs Lady Bryan at 7⅛ per share.
10 shs Real del Monte at 27 per share, h 10.
40 shs Buckeye at 11 per share.
25 shs Burning Moscow at 42 per share.
25 shs Burning Moscow at 41 per share.
10 shs Burning Moscow at 41 per share, r w.
20 shs Burning Moscow at 44 per share, h 30.
10 shs Bullion, G. H., at 79 per share, r w.
10 shs Antelope at 19 per share.
10 shs Nevada, J. G. at 35 per share.
$1,000 Legal Teader Notes at 54¼ per cent.

AFTERNOON SESSION.

15 shs Cal Steam Navigation Co., at 75 per cent.
3 shs Savage at 1525 per foot.
1 sh Hale & Norcross at 350 per foot.
4 shs Gould & Curry at 1150 per foot, s 30.
8 shs Gould & Curry at 1130 per foot.
12 shs Ophir at 350 per foot, b 6.
10 shs Bullion, G. H., at 70 per share.
10 shs Bullion, G. H., at 68 per share.
3 shs Burning Moscow at 42½ per share.
30 shs Wide West at 27 per share.
10 shares Green, G. H., at 6¼ per share.
10 shs Green, G. H., at 5 per share.
10 shs Buckeye at 9 per share, s 30.
5 shs Buckeye at 9½ per share.
10 shs Pride of the West at 5¼ per share.
20 shs Pride of the West at 5⅜ per share.
5 shs Golden Age & Empire at 16 per share.
5 shs Belcher at 26 per share.
Amount of sales.....$39,362 00

Friday, October 7.

4 shs Gould & Curry at 1175 per foot.
8 shs Gould & Curry at 1200 per foot, s 30.
8 shs Gould & Curry at 1200 per foot.
4 shs Gould & Curry at 1220 per foot.
20 shs White & Murphy 30 per foot.
30 shs Sheba at 77½ per foot.
4 shs Potosi at 745 per foot.
20 shs Imperial at 144 per share.
10 shs Pride of the West at 5 per share.
10 shs Wide West at 27 per share.
20 shs Antelope at 19 per share.
110 shs Burning Moscow at 42@45 per share.
20 shs Burning Moscow at 46 per share, b 30.
10 shs Nevada, J. G., at 35 per share, b 10.
18 shs Nevada, J. G., at 34 per share.
250 shs Buckeye at 11¾ per share.
107 shs Lady Bryan at 7⅛@8 per share.
22 shs Lady Bryan at 8½ per share, b 30.
10 shs Lady Bryan at 8 per share, b 30.
60 shs Golden Age & Empire at 17½@18 per share.
$20,000 Legal Tender Notes at 53½ per cent, s 30.
$ 5,000 Legal Tender Notes at 53 per cent, s 90.
$50,000 Legal Tender Notes at 52 per cent s 60.
$ 5,000 Legal Tender Notes at 55 per cent, b 30.
$ 5,000 Legal Tender Notes at 54⅜ per cent.
$ 5,000 Legal Teader Notes at 54¾ per cent.

AFTERNOON SESSION.

4 shs Gould & Curry at 1400 per foot, s 30.
12 shs Gould & Curry at 1250 per foot, s 30.
4 shs Gould & Curry at 1365 per foot.
8 shs Gould & Curry at 1350 per foot, s.
12 shs Gould & Curry at 1350 per foot, s 30.
3 shs Gould & Curry at 1360 per foot.
60 shs Bullion at 64 per share.
10 shs Bullion at 62½ per share.
130 shs Buckeye at 14 per share.
10 shs Justis at 35 per share.
15 shs Golden Age & Empire at 17 per share.
5 shs Lady Bryan at 8 per share.
75 shs Lady Bryan at 7⅞ per share.
50 shs Lady Bryan at 8⅛ per share, b 30.
38 shs Lady Bryan at 7⅞ per share.
20 shs Burning Moscow at 44 per share.
10 shs Burning Moscow at 45 per share.
20 shs Burning Moscow at 46 per share, s 15.
10 shs Burning Moscow at 48 per share, b 30.
10 shs Blue Ledge at 1¾ per share.
50 shs Blue Ledge at 1½ per share.
40 shs Blue Ledge at 1⅝ per share.
$10,000 Legal Tender Notes at 53½ per cent, s 5.
$10,000 Legal Tender Notes at 53⅝ per cent, s 10.
12 shs Daney at 25 per foot.
Amount of sales.....$85,640 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Mont'ly divid'd P ft.	Recent Assessments Per foot	Total Ass'ts P ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ ——	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	25 00	28 00		Jan 7, $10, July 23, $6.	35 00
Bajazet and Golden Era	4,000	1	4,000	500 00	——	28 00		July 20, $5. Aug. 3, $5.	28 25
Best & Belcher	224	4	896	500 00	——	——		May 17, $100; sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	43 00	45 00		Jan 10, $15; June 24 $5.	56 34
Boraxdo	2 800	1	2,800	500 00	——	5 00		Feb 10, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	610 00	750 00	$24		
Buckeye	3,000	1	3,000	100 00	14 00	15 00		June 4, $1.50, Aug 15, $2.	20 20
Bullion, G. H.	2,500	1	2,500	200 00	62 00	65 00		Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	——	——		July 12, $150 00	
Central	150	12	1,800	100 00	——	——		Jan 23, $15.	
Caledonia Tunnel	6,000	1	6,000	400 00	1 00	3 00		May 25, $3; July 12, $1½	19 50
Crown Point	35	4	1,572	100 00	450 00	000 00		Oct 14, $25.	100 00
Chas. Caney	1,800	1	1,800	100 00	——	15 00		Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,400	4	5,600	500 00	825 00	8 50 00		Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	500 00	29 00	30 00		Jan 20, $12; Sept 15, $10.	58 00
Desert	2,200	1	2,200	100 00	——	——		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	3 60	4 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co.	75	10	1,200	833 00	——	550 00	$30		
Gould & Curry	1,200	4	4,800	500 00	1,300 00	1,375 00	$50		
Grass Valley	4,200	1	4,200	500 00	——	30 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	300 00	350 00		July 18, $50; Sept. 13, $50.	425 00
Imperial	144		4,000	500 00	144 00	180 00	$6	Dec 22, $12 50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00		12 00		Nov 18, $1; July 16, $6.	27 00
Lady Bryan	6,000	1	6,000	100 00	8 00	9 00		May 11, $3; July 10, $3.	18 25
Lucerne	1,800	1	1,800	500 00	——	——		Nov 27, $3; Feb 10, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00		3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	10 00	15 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	33 00	35 00		Apr 5, $20; July 20, $12.	32 00
North Potosi	2,000	1	2,000	250 00	10 00	12 00		Jna 13, $12½; Aug 6, $12½	127 50
North America	4,100	1	4,100	500 00	30 00	40 00		Mar 23, $20; Sept 2 $2.	
North Ophir	1,600	1	1,000	500 00	——	——		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00		8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	335 00	360 00	$48		
Overman	1 200	1	1,200	600 00		250 00		June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	705 00	790 00		Dec 9, $50.	02 00
Porter	600	1	600	500 00		30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	6 00	7 00	$5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	1,525 00	1,600 00	$50		135 00
Sacramento & Meredith	3,000	1	14,400	125 00	——			Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	600 00	——	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	20 00	25 00		Mar 8, $5; May 10, $10.	96 00
Spanish No. 2	1,600	1	1,600	500 00	——	20 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	205 00	275 00		Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	——	——		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	25 00	50 00		June 17, $30; Oct 6, $18.	276 00
Yellow Jacket	1,200	1	1,200	1,000 00	630 00	650 00		July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	19 00	20 00		Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	——	——		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	——	6 00			12 25
Falls of the Clyde	6,000	1	0,000	100 00	——	——		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	17 00	18 00	$6		
Nevada	600	2	1,200	250 00	——	——		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	21 00	26 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	5 00	7 00			8 25
Ural	400	1	400	500 00	——	——		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	——	5 00		Jan 5, $3; Sept 20, $12½	19 00
Wide West	2,600	1	2,600	500 00	27 00	28 00		Feb 15, $5; May 25, $5.	65 00

COSO DISTRICT.

Coso	26,000		3,600	500 00				Jan 29, $1; May 11, $1.	
Josephine	0,600	2	4,800	250 00	7 00	8 00		Oct 10, $3; July 31, 50c.	12 00
San Carlos			2,600	100 00	——	——		Apr 14, $1½; June 9, $4.	20 60
Willow Springs	2,700	1	2,700	100 00	——	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,080	100 00	15 00	20 00		July 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	72 00	75 00		Mar 10, $10; Aug 12, $20.	62 35

REESE RIVER DISTRICT.

Amador	1,400				——			May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	——			Jan 29, $2; May 26, $3.	6 40
Florida	800	1	800	200 00	——				
Oregon	800	2	1,600	300 00	——	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	——			Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	——			May 11, $10; June 25, $5.	16 00
Willow	2,800		1,400	200 00	——			Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	600 00	——				
North Star	1,000	1	1,000	500 00	——	60 00		Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	——				1 50
Diana	1,200	1	1,200	500 00	——				1 50
Blue Ledge	1,000	1	1,000	1,200 00	——				2 00
Joe Lane	1,000	1	1,000	500 00	——			Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	——			Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	600 00	——	40 00		Aug 27, $3; Jan 28, $3.	47 00
Miaa Priota	2,200	1	2,200	1,000 00	——	——		Feb 10, $30; Aug 23, $10.	150 00
Sradе Guadelupe	3,000	1	3,000	1,000 00	——	——			9 00
San Marcial	13,200	1	13,200	100 00	——	25 00			
San Nicholas	1,200	1	1,200	200 00	——	——		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	——	3 00		Jun 16, $1½; Oct 5, $1¼	
Fellows	2,500	1	2,500	100 00	——	——			
Melones	3,000	1	3,000	50 00	——	13 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	——	60 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	——	25 00		June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	April 10th.	April 20th.	May 2d.	May 10th.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.
Gould & Curry.....per ft.	$1,550	$4,490	$4,100	$3,850	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300
Ophir	1,350	1,500	1,225	1,100	1,200	825	920	850	720	725	670	425	450	500	490	450	360	350
Savage	2,600	....	2,750	2,150	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,200	1,225	1,400
Potosi	1,050	900	850	635	900	850	850	950	1,000	900	1,000	925	875	900	890	600	690	720
Chollar	315	400	500	600	650	500	575	515	375	425	300	300	325	475	550	650	660	690
Hale & Norcross	625	....	500	550	525	500	425	350	475	350	....	310	....	300	480	425	240	350
Sheba	115	110	115	110	100	90	90	80	76	70	50	40	25	20	80	55	75	70
Daney	105	110	100	82	....	60	....	60	50	45	30	35	....	....	35	30	....	20
Wide West	22	25	25	25	22	20	15	12	10	8	7	20	17	18	20	31	27	35
Burning Moscow	100	103	95	80	55	52	45	40	23	15	13	12	15	18	20	19	27	60
Pride of the West	95	85	78	30	18	8	10	5	6	3	2	....	2	....	2	....	2	8
Bullion	73	70	68	80	70	68	65	70	65	50	50	40	50	....	....	60	40	55
Real del Monte	71	....	68	50	48	40	41	32	23	15	12	11	15	18	14	15	19	35
El Dorado	....	....	....	....	....	....	....	....	....	....	10	8	10	12	5	....	....	....
Overman	300	400	300	250	....	....	200	200	250	200	....	250	225	....	150	175	160	....
Sierra Nevada	75	....	65	60	55	....	....	....	20	15	16	15	....	22	10	22	20	....
Yellow Jacket	....	....	900	800	750	750	950	900	850	700	600	450	400	450	375	400	575	600
White & Murphy	....	450	400	....	....	....	....	....	....	....	300	....	....	....	....	....	....	....
Sides	500	450	350	....	....	....	....	....	....	....	200	....	....	175	....	....	....	....
Uncle Sam	1,000	950	800	700	700	650	700	610	....	400	350	250	190	210	200	200	....	200
Belcher	160	135	115	100	65	75	70	55	45	40	22	15	13	13	16	28	23	22
North American	130	185	165	160	110	122	120	90	65	62	54	30	....	25	25	25	30	25
Baltimore American	42	55	52	50	47	35	....	50	40	42	35	30	32	20	20	15	25	....
Melones	....	40	35	25	15	20	15	....	12	10	12	9	13	17	13	13	....	....
Antelope	150	....	150	....	147	....	125	130	100	65	70	50	....	....	14	12	20	15
Napoleon	80	....	....	80	75	70	80	76	70	65	60	45	55	60	....	....	....	....
Sacramento	50	52	53	50	50	50	45	....	....	....	20	....	....	....	....	....	....	....
Utah	21	23	28	20	....	....	28	26	30	18	15	18	15	....	....	....	5	....
Lady Bryan	57	60	42	39	35	23	32	25	26	10	4	6	4	6	5	7	6	9

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Teader Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net smount	½ per cent
Specie, on act amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President.

A 160-TON CASTING.

Another immense casting has recently been turned out by Messrs Stauley & Co., of the Midland Works, Sheffield, England, viz., a 160-ton anvil block for a steam hammer. The mould was framed in a large pit, in the floor of the casting shop. The mould was twelve feet square at the base, eleven feet six inches deep, and 170 tons of iron were melted to make sure of the cast. Five furnaces were employed, from each of which, when all was ready, a stream of molten iron, was made to run slowly to the edge of the pit, into which they continued to fall, amid showers of strong sparks until the chasm was filled. At this time a rod was thrust into the mass to test its perfect liquidity, which having been satisfactorily proven, the pit was carefully closed to allow for the process of cooling, which it was supposed would require *about seven weeks!*

The "hed" upon which this "distinguished stranger" will repose, when introduced to its expectant "home" in the gun factory of Messrs Firth, is of a truly substantial character, and has been prepared as follows: First, a course of great piles were driven fifteen feet into hard ground. Upon these were placed a thick block of oak, solidly braced and bolted together, upon the top of which the monster casting will be so placed that only about one half of its bulk will appear above ground. The object of such an enormous casting, so strongly planted, is to secure an anvil which no reasonable force can shake. It will be subject to the blows of a 25-ton steam hammer, which will be employed in forging 300 and 600-pound cannon, which are being made under the direction of Mr. Whitworth, for the armament of British forts and fleets. It is said that the guns turned out at this establishment have stood the unprecedented test of 3,000 rounds, without showing any symptoms of failure.

READING ALOUD IN THE FAMILY.—Books and periodicals should be angels to every household.

They are urns to bring us the golden fruits of thought and experience from other minds and other lands. As the fruits of the trees of the earth's soil are most enjoyed around the family board, so should those that mature upon mental and moral boughs be gathered around by the entire household. No home exercise could be more appropriate and pleasing than for one member to read aloud for the benefit of all. An author's ideas are energized by the confidence and love of the tender family affections, and every heart is open to the truth like the unfolded rose to receive the gathering dews. The ties of love between parents and children, brothers and sisters, are thus cemented more closely, and varied charms and pleasures are counted upon through this medium to make a home a perfect paradise. If parents would introduce this exercise in their families, they would soon see the levity and giddiness that make up the conversation of too many circles, giving way to refinement and chaste dignity. Read to your children, and encourage them to read to you, instead of reading your papers and books in silence, and in silence laying them away.—*Western Recorder.*

THE TIN MINES OF CORNWALL.—The adventurers in the tin mines of Cornwall appear to be thoroughly aroused to the necessity of a new plan or system for the sale of tin ore, and there seems little reason for doubt that unless a better price be obtained, Cornish tin mining will to a great extent be abandoned. Tin cannot be raised at a very large majority of the mines under £70 to £75 per ton; the present price is about £60. There are not more than half a dozen mines in that county which leave any profit to the adventurers. The system of underselling has had a ruinous effect, and it is thought that the only way to stop such proceedings is to have public sales, as in the case of copper. It is calculated that 15,000 tons of tin ore are raised annually in Cornwall, representing a revenue of £1,000,000 sterling.—*London Times.*

AN IMMENSE WINDOW.—A stained glass window, which, when finished, will be the largest in the world, is being executed at Cologne for the cathedral, at the sole expense of the Crown Prince of Prussia. Over the west entrance into the nave between the two towers, there will be a window 70 feet in height, and this window will receive in gigantic proportion a representation of the Last Judgment. The design is from the cartoons of Peter von Cornelius, and was originally intended for the Campo Santo, at Berlin, where, however, it was never executed.

THE HORSE SHOERS' STRIKE IN NEW YORK.

Quite a serious trouble has originated in New York between the horse shoers and the city railroad companies relative to the use of the machine made shoe. The strike became so general and so persistent that the companies could not get their horses shod at all, and were obliged to haul off a portion of their cars. The companies, however, made more in that operation than the strikers, as it reduced their expenses, while by closer crowding, they were able to carry nearly as many passengers as before. While the traveling public has been seriously incommoded by the strike, the companies have saved thousands of dollars. Efforts were made to remedy the evil by importing blacksmiths, but the "Union" men managed to buy them off, paying $10 per week to married men, and $5 to single. At this stage of the game a new phase was developed. It appears that the objection to the use of machine made shoes was not so serious a matter as the use by the machine of American iron in the manufacture, while the forged shoes were made of imported stock. It has been discovered that several large iron importing houses are at the bottom of the movement and have agreed to furnish the "Union" money enough to keep the "strike" in operation. The "Union" has accordingly again published a notice to the members to continue steadfast, and that they will be sustained. The contest has thus become one between the iron dealers and the companies rather than the mechanics, and has therefore assumed more formidable dimensions and additional interest. One of the journeymen blacksmiths, who wouldn't "strike" was murdered by a mob of the Horseshoers' Union, one of whom buried a hammer in his skull. The murderer has been arrested. Numerous other acts of violence are noted.

RAILROAD GRADES OVER THE MOUNTAINS.—Some writer in a recent communication to a Virginia paper states that a company of engineers has recently surveyed a railroad route over the mountains into Lake Valley, with a grade of only sixty-two feet per mile. The impossibility of crossing the mountains with so low a maximum grade, is shown by a correspondent of the American *Flag* as follows:—

The summit of Lake Valley is at least 7,000 ft. above the level of Sacramento. The distance from Sacramento to the summit by way of Folsom, Latrobe and Placerville, does not exceed 110 miles; and thus it would require a regular, continuous grade of at least 63½ feet per mile from Sacramento, to reach the summit in that distance. But a regular continuous grade is impracticable. The railroad to Folsom is 22 miles long, and it attains an altitude of less than 200 feet, thus leaving an altitude between there and the summit of at least 6800 feet, to be reached in a distance of 88 miles, requiring a regular, continuous grade of more than 77 feet per mile.

So Placerville is only 1,855 feet above Sacramento, and is about 53 miles distant from the summit, leaving at least, 5,145 to be surmounted in that distance, requiring a regular, continuous grade of more than 97 feet per mile, instead of 62 feet, as stated in the article in question. Facts are stubborn things, and it requires only a plain statement to prick such bubbles as this.

IRON ORE IN NEW JERSEY.—A vein of very rich iron ore has recently been discovered at Walnut Grove. It extends across the entire farm of Isaac Coombs, and is about eleven feet wide. A portion of it runs along the surface of the ground, and from appearances can be mined for at least two years without the use of machinery. The vein contains about eighty per cent of iron ore, and is now being developed by parties who have leased the premises. Other veins have also been discovered in the vicinity.

A TIN MINING COMPANY.—The Northern American Tin Mining Company filed their certificate of incorporation on Saturday last. The company is to mine in the Mining District of Coneto, District of San Juan del Rio, in the State of Durango, Mexico. Amount of capital stock, $500,000. Duration of corporation, fifty years. Trustees—C. J. Janson, E. L. Gould, J. D. Arthur, C. J. Brenham and Thomas O. Handy.

A NEW SPIRE, 554 feet high, is building on the Church of St. Stephen, of Vienna, and will, when completed, be the highest in Europe.

[From our Supplement of Monday, October 3d.]

THE LAST DAY OF THE FAIR.

The Fourth Fair of the San Francisco Mechanics' Institute—of which this is the closing day—has been one of the most successful, both pecuniarly and in the objects for which it was primarily given, ever held on the Pacific coast. The cost of erecting a building, the largest, most beautiful and original in design, expressly for and so well adapted for the purpose, has been more than met by the liberality of an appreciative public. While as a means to the end of disseminating a knowledge of the resources of our State in the mechanical and manufacturing departments, the most sanguine could not have anticipated so large a measure of success as has attended the present Fair. The character of our people, the vast fields for their enterprise offered by the isolated character of our geographical position on the World's map; the value of labor, its immense demand, the fecundity of our soil, and every other advantage of our climate, soil and productions, had led us to expect much, very much, from the exhibition of the mechanical and manufacturing skill of the metropolis of the Pacific. But we were not prepared for so vast, varied and most extraordinary a display as may be seen at this Fair to-day. We had expected to have found many important improvements in mining and agricultural machinery, but we did not expect to find as we do, new and valuable inventions in machinery for so many novel departments of arts and manufactures. We had not expected to find our local woolen manufactures to equal, aye excel, those of England, France and Germany, which they certainly do in the quality of materials and faithfulness of finish. We had not expected to find gold beating, tin, wood, and paper box making, branches of local industry, employing so many hands and so much costly machinery. We had no idea that electro-plating, cutlery and the manufacture of boots, shoes and clothing, for exportation, formed important branches of our local business, and added much to our local prosperity. But for this Fair the world would never have suspected that in this city, we have the largest establishment in the United States for the preserving of fruits, pickles, etc., But for this Fair, no one would have imagined that in this city we have manufactories of iron, copper and brass wire, of coal oil and its kindred productions, of barrels, buckets and corn brooms, and of machinery for purposes so varied and numerous that a mere catalogue of them would fill a volume. Who would have supposed that on this newly settled portion of the world, scarce more than a decade since its first soil was upturned for the purposes of agriculture, we have the largest seed growing farm in the whole Union! The beautiful seed ranch of Wm. Perkins, of Oakland, will testify to this.

In all the branches of high art how much is there to be proud of! Where, in which gallery of modern painters are works more beautifully executed or more true to nature to be found? Where in all the world's wide bounds can we go to find larger, or finer specimens of the art of Photography, than are on exhibition at this Fair? And not to leave the ladies out in the cold—for they have done very much to add to the interest of the Fair—where could we find such a beautiful collection of articles in those branches of art they claim almost exclusively as their own, as are on exhibition here? To our mind the most suggestive and hope-bearing portions of the whole Fair, are to be found in this the ladies' department.

This Grand Temple—devoted originally to manufactures and arts, with an amount of generosity and liberality that must reflect honor on all concerned—has been turned from its noble purpose to the higher, nobler, grander one of Christian charity. To-day, dear reader, this gorgeous temple, so ornately embelished with the works of men's minds and hands, is devoted to charity—the most Godlike attribute of humanity. What you see—the music you hear—the splashing water that falls from you fountains so merrily — the refreshments of which you may partake—the gas that illuminates all around you—the police who guard your safety and the attender that keeps all in such beautiful order—all, all are given gratuitously for the relief of our fellow citizens in the southern counties of the State, whom the inscrutible ways of Providence have visited with a ruinous drought. The receipts of this, the last day of the Fair, are entirely devoted to that purpose. Than this could a more glorious finale be given to the largest and most successful Fair of the Mechanics' Institute of San Francisco?

ENGRAVING BY ELECTRICITY.—The London *Builder* describes a machine for engraving the cylinders, of copper brass employed in the printing of woven fabrics and paper hangings. Its distinctive feature is in the application of voltaic electricity in communicating certain necessary movements to important and delicate portions of the apparatus. The cylinder to be engraved is first coated on its outer surface with a thin film of varnish, sufficiently resistant to the continuous action of the strongest acids. The requisite number of copies of the original design are then traced or scratched simultaneously by a series of diamond points, which are arranged on the machine parallel with the axis of the cylinder.

Each diamond point is in correspondence with a small temporary magnet; and the entire series is so arranged *en rapport* with the original design, which had been previously etched on a metal cylinder fitted in with a non-conducting substance—this cylinder being made to revolve in contact with a tracing point,—that when the electric current passes, intermitteut currents are established, whereby the diamonds are withdrawn from their work at the proper intervals. The metalic surface is thereby exposed in certain parts; and a bath of nitric or other acid being afterward used to etch or deepen the engraved portion, the operation is completed. By means of this apparatus and mode of operating, engravings may be enlarged or diminished to any necessary extent from the same orginal.

DISCOVERY OF ANCIENT MANUSCRIPTS.—Dr. Dèthier, Director of the Austrian School, has been permitted to examine the relics of the library of Matthias Conviuus preserved in the old Seraglio. He has turned over every leaf and manuscript, spending 12 months in the work, and has discovered two manuscripts of real interest, some scholiasts of Aristotle, believed to be new, and an invaluable historical work. This is "an account by an eye witness of the exents of the reign of Mahomet the Great, of the capture of Constantinople, and in a word, of all the exciting scenes of the last 17 years of that long and eventful history. The manuscript is a beautiful one, and full of curious details."

ANOTHER CALIFORNIA PRODUCTION—RATTLESNAKE LEATHER.—The editor of the Hartford (Conn.) *Press* has been shown a new kind of leather, made from rattlesnakes' skins, sent from California. The skins have been tanned, and are to be made up into slippers. In color they are brown, marked with black. Rubbed one way they are as smooth as silk, but rubbed backwards are very rough, the scales turning up as though they had been nicked with a knife. The skins measure about six feet in length. They are very delicate and easily torn, and are only valuable on account of their novelty.

A CHEAP WAY TO CLEAN CLOCKS.—A correspondent of the *Scientific American* says that common brass clocks may be cleaned by immersing the works in boiling water. Rough as the treatment may appear, says the correspondent, it works well, and I have for many years past *boiled* my clocks whenever they stop from an accumulation of dust or a thickening of the oil upon the pivots. They should be boiled in pure or rain water and dried on a warm stove or near the fire. I write this by the tick of an eight-day clock which was boiled a year ago and has behaved perfectly well ever since.

TO VARNISH ARTICLES OF IRON AND STEEL.—Dissolve ten parts of clear grains of mastic, five parts of camphor, fifteen parts of sandarach, and five of elemi, in a sufficient quantity of alcohol, and apply this varnish without heat. The articles will not only be preserved from rust but the varnish will retain its transparency, and the metalic brilliancy of the articles will not be obscured.

JAPANING OLD TEA-TRAYS.—First clean them thoroughly with soap and water and a little rotten stone; then dry them by wiping and exposure at the fire. Now, get some good copal varnish, mix with it some bronze powder, and apply with a brush to the denuded parts. After which, set the tea-tray in an oven at a heat of 212 or 300 degrees until the varnish is dry. Two coats will make it equal to new.

EXTENSIVE IRRIGATION.

The English in India are introducing great improvements in the way of irrigation, from which California may derive some profitable hints. These works are described in the Edingburg *Review*, as already of great extent and fully commensurate in benefit with their cost. One of the chief of these improvements is the Gauges canal, which has 898 miles of main channel, with 1,852 miles of distributing water courses. It irrigates an area of 1,471,500 acres, and its benificent waters will protect from the risk of famine a tract of country containing a population of 6,500,000 souls. It is estimated that in the famine of 1860—1,339,543,840 pounds of grain were grown by the irrigations which it afforded. Other canals are from 100 to 500 miles in length, and render fertile vast tracts of land that would otherwise remain almost barren wastes. In the Presidency of Madras nearly all the great rivers have been intersected by dams, which retain for irrigation the flood of fructifying waters that would else flow out to the sea. The increased production is reckoned by millions of pounds in value. These works are constructed at a great outlay, and are justly regarded as triumphs of engineering, skill and wise statesmanship.

There are few localties more favorably located for irrigation than the valleys of California, and no portion of the globe where more important results may be derived therefrom. It is a matter of much astonishment that so little attention is paid to irrigation in this State, while such immense loss is so frequentiy sustained from failure of crops by drouth. The experience of the past year in the neighborhood of Stockton, has fully proved the value of irrigation on California soil, and we hear that a more general system is about to be inaugurated in that neighborhood, which we trust will prove the precursor of similar enterprises in other parts of the State.

The Fall in Gold.

The following extract in regard to the fall in gold appeared in the Philadelphia *North American* some five or six weeks since. It is quite as appropriate at the present moment, as when it first appeared, so much so that we reproduce it for the benefit of our readers :—

Gold goes down so steadily and so fast that the fact attracts much attention and comment. The real explanation is, that the rates could not be kept up any longer, the demand for gold having largely decreased, and the condition of commercial affairs being much more favorable to the government and the prosperity of the country. It is also true that the banking facilities, by means of which the speculation was carried on, have now been withheld so long that the bubble has burst, and gold and provisions alike come down. Coincident with this are the large subscriptions made in Germany to our securities, and the abiding faith of the German capitalists in the credit and stability of our government. This latter development has astonished the great bankers whose center is in London, and their organ, the *Times*, gives vent to its surprise and dissatisfaction. The parties in New York who have fostered the gold speculation are in connection with this London banking coterie, and perceiving now that the object for which they have been cornering the gold market cannot be gained by the compelling of our government to resort exclusively to gold bonds on whatever terms they choose to offer, they are trying to rid themselves of the mass of gold they have been carrying. The liberality of the German people has thus come most opportunely to our relief. Any one who will refer to the record will find this development in Germany caused the first real turn of the tide, and the continuance of the subscriptions to our securities has precipitated the fall in gold. The only effect exercised on the price of gold by the Chicago Convention is in showing that the war for the Union must inevitably go on ; that the peace faction is utterly insignificant, and, therefore, that the endless trouble sure to ensue upon any triumph of the peaceites is not likely to happen. The successes of Grant at Petersburg and Farragut at Mobile, with the retreat of Early and the rapid progress of recruiting, aid in the movement, which, in fact, indicates faith in the goverument.

The average price of day laborers throughout the British Isles and Europe, is about thirty-seven cents per day.

Mining Summary.

CALIFORNIA.

Sierra.—Every thing at Howland's Flat, says the Mountain *Messenger* indicates preparation for winter. Lumber is moving in all directions, and the sound of the axe and saw are heard from early morn. The diggings are surrounded with new looking timbers, and the piles of candle boxes stowed away indicate early preparation for the long winter which renders this place an extra month of his reign in the spring. At Poker's Flat, mining has been very productive the past season, and some rich specimens have been taken out. Cold Canon has decidedly improved this summer. The Fashion company have been greatly enlarging their facilities for work. The claim is considered as good as any in the vicinity. The ground is both extensive and rich. The Sierra company, near by, have connected with the Fashion by an air tunnel, which has led to important developments. The company cleaned up 300 ounces, for their last four weeks washing. The California is improving and the Table Rock pushing ahead with their tunnel.

Yuba.—The Blue Gravel Mining Company of Sucker Flat, Yuba county, recently cleaned up its sluices after a run of thirty-one days, and obtained $52,000. There are five owners in the claim, and in four months they have taken out $110,000.

Tehama.—The *Independent* says that Mr. L. A. Kelly has shipped his Quartz Mill to Copper City, and adds "We understand that a rich silver lead has been struck in the Long-street tunnel, and the prospect is, that the mill will have all the work it can do. The present capacity of the mill is four stamps which can be increased to twelve. We shall soon know the exact paying qualities of the Pittsburg rock. The teams which take up the mill will load with copper ore from the Origiual Kellinger, back."

Shasta.—A correspondent of the Red Bluff *Independent* writes from Silver City, Shasta county, that they are erecting smelting works for working the ore in that vicinity. Rock from the Jackson ledge worked $400 to the ton, silver ; Silver Creek, $40 to the ton. He says prospects look bright—they think they have a "rich thing."

Plumas.—The Quincy *Union* of the 1st instant says that the Lone Star mill, (H. C. Bidwell) eight stamps, cleaned up over $1,000 for a run of four days last week. The rock crushed was taken from the McClellan ledge, near Greenville. The Bidwell mill, four stamps, at Dixie ravine, cleaned up $600 for a run of five days. The Waterworth, Bidwell & Ogden mill, at Greenville, took out $1,200 for last week's run of five days, quartz taken from the McClellan ledge. This ledge is one of the best defined and most extensive ledges in the county, and since its purchase from Mr. Shannon has been prospected, and found to be almost inexhaustible.

The *Union* farther adds that "it has long been surmised that a rich silver vein exists in Grizzly Mountain, near Genesee. The vein appears to have been struck at last. We have seen specimens of the ore, and it resembles very much the rock taken from the Mexican mine at Virginia City. We are promised a full and complete description of the discovery of it in a short time."

WASHOE.

A full account of the late proceedings at the Gould & Curry mine will be found elsewhere.

The Anderson and Scale mill, in the cañon, about half a mile below Virginia City, has been thoroughly overhauled, and is now ready to start again. A new battery has been put up, and the old pans have been replaced by Hepburn's. The capacity of the mill has been doubled.

The Piute mill which has been in process of construction the past summer, says the *Union*, has just commenced operating. Everything worked well. This mill is owned by a company owning ground in Gold Hill proper, and will be used to crush rock from their own claim. It has twenty heavy stamps, ten Hepburn amalgamators, five separators and is to be driven by an 80-horse power Corliss engine. It will have the capacity of working about twenty or twenty-five tons of rock per day.

The original Hawkeye company continues to drive ahead on its claim, and from present appearances will soon be in its ledge. A few days since a large stream of water was struck in a drift, which was being run from its shaft at the depth of about 315 feet, but the management of the mine has been such that very little inconvenience has been experienced from striking it. The water comes from the ledge into which the miners are now driving the drift, and the company have great confidence that they will find pay-rock at the depth at which the ledge is now being opened.

The Milton company, according to the *Enterprise* have recently struck some black sulphuret ore of extraordinary richness. It has the same appearance as the richest ore from the Mexican mine. They just cut into it on Thursday of last week, and little is known of the extent of the deposit, but there is thought to be a huge amount of the same quality. The company have for a good while been sending ore to the mills, but they have never before found anything as rich as this strike, which is considered very encouraging to the various companies on the Divide.

The Mary Ann company's hands recently shut down on the work in the mine just as they struck some excellent looking rock in the drift running west from the shaft, and at a depth of 350 feet. The cause of their doing so was the non-payment of their wages, which were some three months in arrears. Some of the stockholders are quite indignant that the officers of the company should thus dishonor its credit, which they appear to think was not necessary.

The Ophir company, it is currently reported, struck very rich rock on Friday of last week. It is to be hoped that the report may prove well founded, and that the rock may prove extensive as well as rich.

The Justis company started up their new machinery on Friday of last week. The company gave quite a convivial entertainment on the occasion.

All the mills on Gold Cañon, between Gold Hill and Dayton, according to the *Enterprise*, are now in operation. Some new mills, to be driven by water-wheels, are being erected. It is rather a strange sight, continues the same paper, to an old settler to find these huge wheels revolving in a ravine which a few years since was destitute of water. Nearly the whole of the water now flowing through the cañon comes from the mines above. The quantity is increasing every year. We long ago predicted in the columns of the *Enterprise* that the day would come when Gold Cañen would be filled with water-mills. The assertion may have appeared a little wild to some at that time, but what we now see proves that it was well founded.

REESE RIVER.

The *Reveille* says that they have had a busy time at the mills for some time past. Those that have not roasting furnaces, but still depend upon the chloride ores, have become almost perfect in the management of them, making the results from large lots almost equal to the assays. The mills working sulphuret ores are crowded with orders far exceeding their capacity. The Long Island Mill is now engaged in crushing second class ore from the Isabella ; the best rock from this claim being sent to Washoe. As this is the sulphuret ore, and is worked by the roasting process, some difficulty has been encountered in amalgamating in iron pans. In consequence of this, the pans will be lined with wood, and thus transformed, as near as possible, into Veatch tubs, and the amalgamating will hereafter be done by that process. The present high state of efficiency of the mills, is the result of much experimenting, which, unfortunately, has been done in a great measure, at the expense of the miners themselves.

Since the success of the small mills at Austin has demonstrated that miners can work their rich ores without aid from the much sought capital, the miners of outside districts have followed suit, and we doubt not they will succeed to the utmost of their desires. We learn that a number of hand mills are in course of construction at Ione. They have been very unfortunate heretofore in getting their rock worked, and have met with many disappointments. With their own mills they can work their ores as they please, and also learn the art of amalgamating so that when their mills grow into gigantic proportions they may know their trade.

All the tubs that will be put in the Oregon Mill, for the present, for amalgamating purposes, are now in and in good running order. The mill will be run to its full capacity, which will make quite a difference in the shipments of bullion this month, as compared with last, and as the bullion is now being sent direct to San Francisco, Virginia City, will not in future be credited with what we send forward.

There has been put up recently, at the Oregon Mill, a fan, with pipes from the battery to a tight room, to carry off all the dust, which saves the ore and renders the mill entirely free from the clouds of dust that were always there when the batteries were at work. In a run of one battery for eighteen hours, nearly a ton of ore was saved in the dust room, which is certainly a great recommendation for the use of the fan in all other mills.

The Johnny Grove lode, on Lander Hill recently realized 168 ounces of crude bullion from the crushing of 200 lbs. of picked rock. The crusbing was done at the horse-power mill of Grove Brothers, and principally amalgamated in Salmon's propeller amalgamator. The mill of the Groves' is one of three stamps of about sixty pounds each, and was originally constructed for a hand mill, but the owners thinking horse flesh cheaper than human, added that convenience. They will add a propeller amalgamating tub in a few days, making a complete mill, very cheaply constructed, cheaply operated, and very effective.

The Buel, North Star, has been worked with decided vigor, for the last three months, under the Superintendence of John Kutz, and during that time has sent forward a large amount of bullion. The workmen have recently struck a ledge two feet wide, and very rich, which will supply paying rock for several mills.

The Power of Imagination. — Once at a large dinner party, Mr. Rogers was speaking of an inconvenience arising from the custom then commencing, of having windows formed of one large sheet of plate glass. He said that a short time ago he sat at a dinner with his back to one of those single panes of plate glass ; it appeared to him that the window was wide open, and such was the force of imagination that he actually caught cold. It so happened that I was sitting just opposite the poet. Hearing this remark, I immediately said : "Dear me, how odd it is, Mr. Rogers, that you and I should make such a different use of the faculty of imagination. When I go to the house of a friend in the country, and unexpectedly stay for the night, and having no night-cap, I should naturally take cold. But by tying a bit of pack-thread tightly around my head, I go to sleep imagining I have a night-cap on ; consequently I catch no cold at all." This sally produced much amusement by all around, who supposed I had improvised it ; but, odd as it may appear, it is a practice I have often resorted to. Mr. Rogers, who knew full well the regard and respect I had for him, saw at once, that I was relating a simple fact, and joined cordially in the merriment it excited.—*Babbage.*

New Invention.—We have been permitted to inspect a new machine, the invention of F. Darneille, Esq., of French Town, in Yuba county, which he calls Darneille's Lever Power, which, as a specimen of ingenuity and inventive genius we have seldom if ever seen equaled. It consists of a continuation of levers worked by a pendulum, which act upon a rachet wheel, and thus the machine creates a power that is indeed wonderful ; it is estimated that a power equal to a weight of one pound applied at the foot of the pendulum, will move and raise a weight of one hundred attached to the power shaft. We can readily see how this machine will work a revolution in the application of power to machinery, when we are told, and can see it plainly demonstrated that with it, a man can run a quartz mill by hand, that will be large enough for all prospecting purposes, but we can only guess at the power that it will have with steam applied, and the pendulum lever used in place of the usual balance. In such case, if the machine performs as well as the model, and we can see no earthly reason why it will not, a six-horse power steam engine would run a quartz mill of twenty-four stamps, and have power to spare. Mr. Darneille is about to apply for a patent, and for this purpose has this model and drawings at the law office of D. R. Sample, Esq., in this city. Mr. Darneille has no secret to hide in this matter, therefore mechanics and others who may desire to do so are invited to call and examine it.—*Marysville Appeal.*

Beautiful Extract.—You cannot go into the meadow and pick up a daisy by the roots without breaking up a society of nice relations and detecting a principle more extensive and refined than mere gravitation. The handful of earth that follows the tiny roots of the little flower is replete with social elements. A little social circle has been formed around that germinating daisy. The sun-beam and the dew-drop met there, and the soft summer breeze came whispering through the tall grass to join the silent concert. The earth took them to the daisy germ, and all went to work to show that flower to the sun, each mingled in the honey of its influence, and they nursed the "wee cannie thing," with an aliment that made it grow. And when it lifted its eyes toward the sky, they wove a soft carpet of grass for its feet. And the sun saw it through the green leaves and he smiled as he passed on ; and by starlight and moonlight they worked on. And the daisy lifted up its head, and one morning while the sun was looking, it put on its silver-rimmed diadem, and showed its yellow petals to the stars. And it nodded to the little birds that were swimming in the sky, and all of them that had silver-lined wings, and birds in black, gray and quaker-brown came, and the querulous blue-bird, and the courtesying yellow-bird came, and sung a coronation of that daisy.

Boston.—The value of real estate in Boston is $182,072,200 ; personal estate $150,377,600. Augustus Hemmenway is the largest tax payer, being taxed for $161,400 real estate and $2,000,000 personal estate, making a total of $2,161,400, and being 61,000 more than the amount for which he was taxed last year.

Mining and Scientific Press.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventors can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:

Saturday Morning, Oct. 8, 1864.

HOME FINANCES.

The condition of the money market is such as to give satisfaction to both borrower and lender. A fair inquiry prevails for legitimate business purposes, and parties seeking accommodations in Bank are supplied at 1½ ₱ cent. per month upon short time paper. Capital continues abundant and would appear to be accumulating. A branch of the Bank of British North America is now in successful operation in this city and the business of this establishment, will, it is thought, become an important feature in fiscal matters here. This introduction of foreign capital is desirable in many respects and will tend to stimulate investments in stocks and other securities. We can offer great inducements to outside capitalists and are glad to welcome them in our midst. The currency of the country is now sound and stable, and the present gold and silver standards of value are likely to be rigidly adhered to by the people of California. The fears entertained some time ago by foreigners that our country would not sustain the legality of our specific contract act, are now happily set at rest, and the country is measurably prosperous in all its interests, (many of which are increasing in importance) and a wide and productive field is open to enterprising men with capital.

A fair business was done on last steamer day in Eastern Exchange. Currency Bills, although unsettled were sold at 70@75 ₱ cent. premium on gold. Telegraphic Transfers were current at 5½@6 ₱ cent. premium and Drafts payable in coin were quotable at 3½ ₱ cent. premium.

Receipts of Treasure from the interior continue large and reach about $1,000,000 so far this month. Gold Bars are in more request and are worth 840@850; some sales are reported at 860. Silver Bars are selling at from 1 ₱ cent. premium to 2½ ₱ cent. discount according to fineness.

Legal Tender Notes have been inactive and dull this week at from 53 to 55 and closed at 54 bid by the Brokers. Our latest telegraphic advices from New York quote gold at 190.

FLUCTUATIONS IN STOCK.—Owing to the recent fluctuation in the market value of stocks, the table from the "Weekly Stock Circular," published in another column, will be found of particular interest and value. We would here remark that the labor of carefully compiling such a publication as the "Stock Circular" is hardly to be comprehended, and the deserving publisher should be liberally dealt with by those who are accommodated thereby.

HINKLE'S CRUSHER.—Two of these machines, manufactured at Steen's Novelty Works, were purchased by G. W. Holt, and forwarded to Sacramento, on their way to Humboldt, N. T., during the present week. Further information concerning these amalgamators will be found in our advertising columns.

EASTERN FINANCES.

The main features of the latest mail advices from the East are the falling merchandise and stocks, and the decline in gold which has since continued, as we are advised by telegraph. This was generally attributed to the prospect of an early peace—many persons entertaining the belief that we are on the eve of a termination of the bloody contest, not because of any abatement in the spirit or determination of the northern people, but because the overthrow of the rebellion was now deemed more certain of speedy accomplishment, than at any other period in the history of the war. We have fully demonstrated our ability to maintain the life of the nation, and the south is probably ready to accept reasonable terms and to acknowledge itself willing to come back into the Union again. The fiscal policy of the Secretary of the Treasury seems to be meeting with a fair degree of success. His last thirty million 6 per cent. loan was readily taken at a premium of 4 ₱ cent. and the public were coming forward more liberally in their subscriptions to the 7-30 currency loan.

Among mercantile classes trade was reviving and both city and country dealers were operating with more activity in view of the requirements of the ensuing fall and yet the decline in all values, alluded to above, was having a tendency to unsettle prices and to check business.

REDUCTION OF WAGES IN WASHOE.—The Gold Hill *News* says that several of the largest mining companies in Virginia City and Gold Hill have been compelled, on account of the tightness of the money market, to reduce expenses, and accordingly have established the following rates for work in the mines: Sinking shafts, and wet work, $4 per day; drifting on the breast in ore, $3.50; running a car and barrow, $3. It is said that the "Miners' League" have the matter under consideration. There was a large meeting of the League, on Tuesday evening last, held with closed doors, and up to latest dates nothing was known, outside, of the character of the deliberations or proceedings.

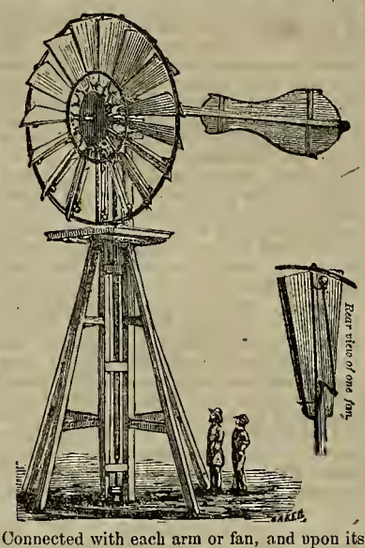
THE GOULD & CURRY MINE.—The Virginia City papers have recently published statements to the effect that this mine had been closed and that the superintendent had resigned because of some difficulties with certain employees. We have the best authority for saying that there is no truth in these reports. Regular operations have continued and the usual amount of ore has been daily taken from the mine. No difficulty is apprehended with the workmen, growing out of the late demonstration made by the "Miners' League." Telegraphic advices received last evening, mention some favorable changes in the southern part of this claim.

RETURNED.—We have had the pleasure of a call from Mr. Joseph Mosheimer, who has just returned from a protracted visit to Europe. During his absence, Mr. M. has had an opportunity to make extensive operations upon the progress of mining and mining machinery in the old world, and has endeavored to impart to our English cousins some hints on gold mining, and in doing so we notice has met with much opposition from the old fogy notions of by-gone years. Mr. Mosheimer has promised to furnish us with some items of interest, collected during his extensive European observations, which will be communicated for the benefit of our readers.

SOLD OUT.—By reference to our advertising columns it will be seen that Mr. George F. Deetken has sold out his interest in the Deetken & Co. Metallurgical Works, and now offers his services to the mining community to superintend the starting of new mills, to report upon mines, or to furnish surveys and maps thereof, etc. Mr. Deetken's long practical acquaintance with mines and mining, and his superior metallurgical acquirements, render his services especially desirable in the new sphere of usefulness which he proposes to enter.

ATWOOD'S SELF-REGULATING WINDMILL.

We herewith give an illustration of Atwood's Self-Regulating Windmill, the same which is on exhibition in the corner of the square upon which the Pavilion stands. The great excellence of this mill consists in the admirable self-regulating arrangement which has been attached to it. This is probably the most perfect arrangement of the kind ever applied to a wind mill. It is based upon centrifugal motion, and operates upon precisely the same principle as the regulator of a steam engine.



Connected with each arm or fan, and upon its outer side, is a sliding rod, running parallel therewith, upon the outer end of which is an iron ball, weighing some four or five pounds. As the speed increases, this ball has a tendency to fly off, thereby drawing upon the lever as shown in the inner portion of the sectional fan exhibited in the annexed engraving. This lever is so arranged that, when drawn, upon it *feathers* the fan, while a spring spreads it again as soon as the centrifugal force is taken off from the balls. The principle is strictly scientific and correct, and the entire mill is so simple that any person of ordinary intelligence, whether a mechanic or not, can keep it in order when once put up. We have already invited attention to this mill and would do so again, in connection with the annexed illustration. These mills are manufactured at 222 Mission street, below Beale.

PRATER'S CONCENTRATOR.—We learn from Mr. Wheeler, of Wheeler & Thayer's mill, of Sonoma, Tuolumne county, that they have been using one of Prater & Hungerford's Concentrators, at their mill with the most signal success, for some months past. The yield of the rock at their mill is $45 per ton, while rock from the same ledge, crushed at other mills, not using this concentrator, is yielding but $25. The sands from the batteries in Wheeler & Thayer's mill are received from the stamps direct into the concentrator, which effectually separates all the gold, amalgam and sulphurets from the rock with the above result.

THE STRIKE IN THE OPHIR.—Since our mining summary was prepared, we have learned that the reported "rich strike" in the Ophir was without foundation. The reporter of the Virginia *Union* having visited the mine was informed that between the sixth and seventh chambers they had struck very fair rock, yielding about $60 to the ton, but it was not as rich as that which they had heretofore taken out. The Company, however, do take out pay rock, and are sinking a new shaft; and at a certain depth expect to strike it still richer.

IMPORTANT SILVER DISCOVERIES are said to have been recently made in the Cascade Mountains about seventy-five miles from Olympia, Washington Territory. We trust our silver hunters, will not go crazy over it however. The latest "new discovery" fever,—the Sooke river—did not "take" very well, although it was "got up" after the most approved sensation style. California miners are begining to get their eyes open with regard to such things.

THE GELOGICAL SURVEY.

Professor Brewer has furnished us with the following additional particulars, with regard to the late trip of the party which recently returned from the lower portion of the State:—

The party left Visalia early in June, and worked east to the crest of the Sierra along the divide between the Kings and Kaweah rivers After passing the lower foot hills and attaining an attitude of 4,000 feet the region becomes heavily timbered with pines and firs. There are occasional meadows, and much feed is scattered through the forests, and cattle have been driven to this feed as far as seventy miles from Visalia, and up to the altitude of nearly 9,000 feet. Good feed exists beyond this, fine pasturage, extending nearly to the crest, but the country is more difficult of access and is as yet entirely uninhabited. Along the western slope, at an altitude of 5,000 to 7,000 feet the 'Big Trees' or giant *Sequoias* are abundant, not merely occurring in isolated groves, as is the case farther north, but are also scattered through the forests in abundance along with other timber for a distance of at least twenty-five miles, along the tributaries of Kings, Kaweah and Kern Rivers.

Larger trees were met with than occur in the Calaveras and Mariposa groves, and they imparted a grandeur to the forests that can only be appreciated by being seen. The largest tree seen by the party is near Thomas' Saw Mill, and is about 40 feet in its greatest diameter; but the Indians tell of a much larger tree, north of Kings River. The crest of the Sierra rises very high for a distance of more than a hundred miles, in fact, the more prominent peaks for two hundred miles, rise to above 13,000 feet. Between the head waters of the Kings and Kern Rivers the greatest mass occurs. The highest peak is probably 15,000 feet high. They found it impossible to reach the top and measure it. Mr. King reached the hight of 14,730 feet but was unable to get higher. Several peaks of this group are over 14,000 feet. This fact was unsuspected before, and makes these mountain the highest in the United States.

The party was accompanied with an escort of cavalry from Camp Babbitt, for the region north of this. They passed up the South Fork of Kings River and crossed to Owens Valley after finding it impossible to get north without this detour. Kings River has two main forks, both running in very deep cañons, that of the North Fork being impassable. These cañons are deeper than that of Yosemite and almost rival it in the grandeur of their scenery. That of the North Fork was not visited. That of the South Fork much resembled Yosemite, but lacked the grand waterfalls that make the latter valley so famous. With comparatively little labor a trail could be made by way of this fork, which would be much the shortest route from Visalia to San Carlos and Bend City. The pass is very high, some 11,600 feet, and the summit steep, still not impracticable.

The party passed up the Owens Valley about sixty miles, and then recrossed the summit by an obscure Indian trail to the Middle Fork of the San Jonquin. The pass is very high, about 12,000 feet, probably the highest pass in North America. On the South Fork of the San Joaquin, near to the summit, a large mass of slates occur, which may at some some future time raise an excitement and prove metaliferous. Near the junction of the three larger forks of this river, there is a large region which abounds in excellent pasturage. several thousand cattle might be pastured here for six months of the year, and a trail could easily be made from Fort Miller, on the south side of the San Joaquin. It would be impracticable to go on the north side as the cañon of the North Fork is very deep, at least 3,000 feet, and very difficult to cross. At the head of the North Fork of the San Joaquin is the lowest pass probably that occurs between the Sonora pass and Walkers Pass, a distance of over two hundred miles. This in the future may be a matter of more importance, but at present it offers no advantages over the Mono Pass to travelers going to Esmeralda; but could this route be opened it would greatly shorten the distance from Stockton, or Mariposa, to Owens River, Coso, Slate Range and the regions beyond.

It will doubtless be a long time before much of this region will be well known, as its only inducement to settlers is its pasturage during the summer.

GOOD PAY.—In the Main Gulch, at the foot of Main street, (says the Columbia Courier,) the Maine boys, in their last run of twenty-three days, cleaned up sixty ounces of gold.

THE CAVE IN THE GOULD & CURRY.—The cave which occurred in the Gould & Curry mine, on Saturday morning last, is described as follows in the *Territorial Enterprise*:—

At three o'clock yesterday morning quite an extensive cave occurred in the old works of the Gould & Curry mine, some four hundred feet south of the office and buildings. We visited the scene of the cave and found an immense hole on the surface, situated midway between the Gould & Curry house and the Savage Mining Company's shaft, of some fifty feet in diameter and about twenty feet deep. We learn that the caving commenced about three weeks ago, in the D street tunnel, and has since then been gradually working its way to the surface. An immense chamber in the old workings has been filled up by this cave at no cost whatever, which otherwise would have compelled the company to go to heavy expense to do so. On the other hand, however, the old spiral stairway affording access to the mine has been entirely destroyed. This cave has been anticipated for some time, and the probability of its occurence was the cause of Superintendent Bonner's placing the boilers for the interior engine on F street, instead of the spot where the cave occured, as had been originally projected. So far from doing any permanent injury to the mine, we learn that the cave has exposed new bodies of ore heretofore unknown, and which had been passed by in the old workings of 1862.

THE RUINS OF CHAMBERSBURG.—The members of both branches of the Legislature of Pennsylvania made a visit to Chambersburg to view the ruins at that place. A letter says; "The scene can never be properly described. For squares in either direction private houses and stores have been burned into one black ruin. The orders of the invaders had been to spare churches, and none of these were destroyed, except those in close proximity to residences. The fact that a Catholic Church joined the depot, was the means of saving the latter structure. The total loss to Chambersburg will reach three million dollars by actual count. The records of the courts were now being arranged in a new structure. The people of Chambersburg are returning and commencing to rebuild their dwellings. All are well supplied with the necessaries of life."

ANOTHER INVENTION.—The Northampton *Free Press*, states that L. W. Langdon, of Florence, the inventor of the Florence Sewing Machine, is building a steam carriage, adapted to ordinary roads. His experiments have thus far fully met his expectations, and he is confident of success. The boiler is now in process of construction at Woreester, and he hopes to have the carriage in readiness for trial trips in about a month. It is to be heated with coal, and he estimates that a pound will be sufficient to ran it a mile, after the steam is up.

DRY DOCK.—The Pacific Dry Dock Company filed its certificate of incorporation on Wednesday. The association is formed for the purpose more particularly of building a dry dock, with the wharves, piers, bulkheads, warehouses, machine shops, etc., which may be necessary for the prosecution of a dry dock business. Capital stock, $1,000,000, divided into 2,000 shares of $500 each. The trustees are S. F. Butterworth, W. T. Coleman, C. A. Eastman, O. P. Sutton and Edward Tompkins. The principal place of business is to be in San Francisco.

LOOK OUT FOR THEM.—Spurious greenbacks are in circulation. A stranger offered a bill for sale at the office of Messrs. Hickok & Spear, on Montgomery street, a few days since, which proved to be a two dollar bill ebanged to a fifty. The man was allowed to leave the office, but was told he could not have the bill again until he should prove that he possessed a good character. He has not yet called to prove his "character." The bill was changed by the "pasting process," a bungling piece of forgery easily detected.

THE total vote on the State Constitution in Nevada (not including Lander county, which made no returns) was 11,655. The majority for the Constitution, as officially announced by Governor Nye, is 9,087.

When are Sick,

It is now an established fact, that three or four of Brandreth's Pills are always beneficial, especially when we have a cough or cold; and in bilious and liver diseases their good effects are beyond all praise. When we feel weary, and out of love with ourselves and and the world, one or two portions of four or five pills each, will restore our health and good spirits, because they purify the blood. Sold by all druggists. 15-1w

Alcock's Porous Plaster,

The great, mild, counter-irritant remedy. The use of this Plaster is every day becoming wider. Every person who sells them has some case of the recovery of the long lost use of limbs, cured by their use. Sold by all druggists.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE.
Antelope, Esmeralda, $10	Oct 17—Nov 1
Alameda Coal, $1	Nov 2—Nov 19
Apollo, R. R., 50c	Oct 1—Oct 20
Antiquarian, Lander co	Annual Meeting Oct 9
Buckeye and Old Hickory Cons., S. Cat., 50c	Oct 15—Nov 3*
Butte, Humboldt, $1	Nov 7—Nov 19
Big Blue Lead, Tulare, $2	Sep 28—Oct 14
Bajazett & Gold Era Cons., $5	Sale Oct 8, Virginia
Burnside, Virginia, 50c	Oct 5—Oct 20
Big Canon, Tuolumne co., $3	Oct 11—Oct 22
Barreteros, Sinaloa, $5	Sep 28—Oct 11
Boston Copper, El Dorado co., $1	Sep 30—Oct 15
Bullion, $10	Virginia
Best & Belcher, Virginia, $7.50	Oct 23—Nov 7
Blue Ledge, Kelsey	Annual Meeting Oct 15
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Crescent Quartz, Dividend $50	Payable Oct 1*
Citizens', Coal, Mount Diablo, $5	Sep 24—Oct 8*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Chrysopolis, Low Divide, 25c	Oct 23—Nov 8
Cortez, Lander co., $1	Nov 2—Nov 17
California, Virginia, $12.50	Aug 12—Oct 15
Codicia, San Antonio, $2	Sep 27—Oct 10
Central, No. 2, Virginia, $3	Oct 3—Oct 17
Cosala, Sinaloa, $1	Oct 10—Oct 22
Colorado, Santa Catalina, $25	Sep 19—Oct 10
Caledonia T. & M., Gold Hill, $1	Oct 6—Oct 19
Crown Lead, Mariposa co., $1	Oct 9—Oct 20
Comstock, Lander co	Annual Meeting Oct 9
Comstock, San Antonio, 50c	Oct 19—Nov 3
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Coral Hill, $1	Oct 19—Nov 5
Corral Viejo, Sonora, $3.50	Oct 28—Nov 9
Chipionepa, Sonora	Annual Meeting Oct 10
Dashing Wave, Lander co., 25c	Oct 29—Nov 14*
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Dancy, Lyon co., $2.50	Oct 10—Oct 24
Dacota, R. R., $1	Sep 23—Oct 14
De Soto, Star, $2.50	Oct 22—Nov 9
Diamond, Copper, Del Norte co., 75c	Oct 22—Nov 9
Oell, G. H	Sale Nov 5
Evoca, Del Norte co., 25c	Oct 8—Oct 24*
El Dorado, Silver Mountain, 50c	Oct 28—Nov 12*
East Range, Humboldt, $8	Sep 23—Oct 18
El Tesoro, Lower Cal., $3	Sep 26—Oct 10
Evening Star, Humboldt co., $1.50	Sep 17—Oct 8
Ethan Allen, R. R., $1	Oct 11—Oct 26
Ellery, Lander co	Annual Meeting Oct 9
Etna, Esmeralda	Annual Meeting Oct 17
El Taste, Mexico, $2.50	Nov 3—Nov 15
El Taste	Annual Meeting Oct 18
Fortune, Calaveras co., 20c	Oct 22—Nov 9*
Franco Americana, San Antonia, $1	Oct 10—Oct 26
Fork, 25c	See 29—Oct 15
Fairview, R. R., 50c	Oct 25—Nov 5
Gen. Jackson, Devil's Gate, 50c	Sep 24—Oct 8*
George Washington No. 2	Annual Meeting Nov 17*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Great Western, Keyes, Mono co., $1	Sep 24—Oct 8*
Gobernadora, Lower Cal., $1	Oct 18—Oct 31
Green, Gold Hill, $1	Oct 26—Nov 12
Gold Canon Cons., Gold Hill, $2	Sep 24—Oct 8
Gov. Nye, Alpine co., 50c	Sep 24—Oct 8
Gov. Seymour, R. R., $2	Sep 26—Oct 8
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Guadaloupe del Aguajito, Sonora, 50c	Oct 29—Nov 12
Green, San Bernardino, 75c	Oct 23—Nov 8
Gold Hill T. & M., $1	Oct 26—Nov 9
Great Western T. & M., Aurora, 40c	Oct 29—Nov 9
Great Western T. & M.	Special Meeting Nov 1
Great Central, Weaver, 30c	Oct 3—Oct 15
Guasaparis, Mexico, $25	Nov 4—Nov 15
Humboldt, Sierra District, $2	Sep 30—Oct 19
Hale & Norcross, Virginia, $25	Oct 15—Nov 1
Independent, R. R., $1	Oct 8—Oct 22*
Illinois, El Dorado Canon, A. T., $2	Oct 1—Oct 17*
Imperial, Arizona, 35c	Oct 17—Oct 27
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jesus Maria Trading & Mining, Sonora	Sale Nov 9*
Josephine Quicksilver, Salinas, $5	Oct 7—Oct 18
Jura, American Flat	Annual Meeting Oct 17
Keokuk, Clayton 10c	Nov 5—Nov 19*
Kentucky Copper, Madame Felix, 50c	Oct 3—Oct 22
Kohler Bros., San Antonio, Mex., $1	Sep 29—Oct 13
Lancaster, Como, Lyon co., 50c	Oct 8—Oct 25*
Loomis, Lander co., 25c	Oct 29—Nov 14*
La Candelaria, San Dimas, $2.50	Sep 24—Oct 8*
Lady Bell, Low Divide, 10c	Oct 24—Nov 5
Lotus, Gopher, 10c	Oct 21—Nov 5
Las Churcas, Lower California, $50	Oct 5—Oct 17
La Fernandez, Hermosillo, Mexico, $4	Oct 29—Nov 8
Las Gruzccitas, San Xavier, $6.25	Oct 29—Nov 12
Laura Johnson, Los Angeles, 50c	Oct 4—Oct 19
Lucy Ella, Gold Hill	Sale Oct 18
Lady Bell	Annual Meeting Oct 24
La Blanca	Annual Meeting Oct 12
London Quartz, Siskiyou	Oct 29—Nov 17
La Soledad, San Dimas $1	Oct 24—Nov 5
La Maronena	Special Meeting Oct 10
La Esperenza, Arizona, $5	Nov 5—Nov 21
Libertad, Ures, $5	Nov 1—Nov 15
La Figaro, 32c	Nov 4—Nov 14
Lone Star	Treasurer's sale of stock Oct 17
Mammoth, Silver Mountain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 5*
Mejicana, Contra Gosta, 15c	Oct 11—Oct 31*
Mechanics', Clayton, 5c	Sep 24—Oct 15*
Musidora, San Antonio, 50c	Oct 8—Oct 22
Maria, Ghihuahua, 75c	Sep 28—Oct 12
Monte Cristo, Virginia, $1.50	Sep 28—Oct 14
Maria, Lower California, $3	Sep 24—Oct 8
Manzanilla, Sinaloa, 25c	Sep 24—Oct 18
Mina Prieta, Ures, $10	Sep 23—Oct 15
Mary Frances, Alpine co., 50c	Oct 10—Oct 22
Mina Rica de Las Flores, Calaveras co., $1	Oct 25—Nov 14
Monster Cons., 30c	Oct 24—Nov 5
Manchester, Monitor, $1.50	Oct 22—Nov 5
Mineral Hill T. & M., Mono co., 50c	Oct 19—Nov 1
New Era, Cop., Tuolumne co., 50c	Sep 24—Oct 10*
North Star, R. R., $3	Oct 6—Oct 19
Nuestra Senora de Guadaloupe, Mex. $1	Oct 31—Nov 14
North American, $2	Sale Nov 4, Virginia
No Plus Ultra, Tuolumne co., 50c	Oct 8—Oct 20
Napoleon	Quarterly Meeting Oct 10
New Year's Diggings, Tuolumne co	Oct 29—Nov 9
Oxford Beta, Esmeralda, 50c	Oct 15—Nov 2*
Overman	Sale Oct 17, Gold Hill
Oxford Beta	Annual Meeting Oct 9
Palma, Sonora, 25c	Oct 29—Nov 19*
Providence, Nevada co., $1	Oct 22—Nov 5*
Pena Silver, Lower California, $3	Aug 20—Oct 23*
Plumbago, Sierra, $1.50	Oct 13—Oct 27
Planet, Arizona, $1	Oct 29—Nov 10
Pearl, Copper, Del Norte co., $25	Oct 2—Oct 12
Penole, Clayton, 20c	Oct 12—Oct 24
Peninsula, San Antonio, $10	Nov 4—Nov 15
Pena	Special Meeting Oct 10
Pride of the West, Silver City, $3	Nov 7—Nov 21
Rose, Mariposa, 50c	Oct 29—Nov 7*
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Rose Linda, Alpine co., 50c	Sep 30—Oct 23*
Real del Monte, Esmeralda	Sale Oct 10
Rosario & Carmen, Sinoloa, $1	Oct 29—Nov 10
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 27*
Simpson & Bosselle, Carson Valley, 30c	Oct 22—Nov 7*
Sisters & Augusta, Lander co., 15c	Oct 19—Nov 19*
St. Paul, Lander co., 50c	Oct 15—Oct 29*
Salinas, Monterey, co., 20c	Oct 15—Oct 29*
Santa Cruz, Petroleum, 12½c	Sep 26—Oct 20*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Sweet Vengeance, Yuba co., $1	Oct 20—Nov 4
Sierra, Genoa, $2	Oct 5—Oct 17
Silver Circle, R. R., $1	Sep 30—Oct 18
Sonoma Ledge, R. R., $1	Oct 7—Oct 21
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Smoky Valley, Lander co., $1.50	Sep 24—Oct 8
Sierra, Genoa, $2	Oct 5—Oct 17
Stanislaus Copper, 25c	Sep 26—Oct 11
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Soledad Hill, Soledad, 50c	Oct 21—Nov 1
South Sonoma	Annual Meeting Oct 3—Austin
Santa Cruz, Lower California, $2	Nov 4—Nov 15
Sonoma Ledge, R. R.	Annual Meeting Nov 8
Santa Rosa de Ures, Mex., 50c	Nov 8—Nov 26
Table Mountain Copper, Calaveras co., $1.65	Oct 22—Nov 7*
Tallulah, Sierra, $15	Oct 15—Oct 25*
Troy, R. R., $2	Oct 10—Oct 24
Tellurium, Amador co., $1	Nov 2—Nov 16
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Virginia, $1	Oct 31—Nov 16*
Utah, $12.50	Oct 22—Nov 14
Veatch, Lander co., $2	Oct 31—Nov 15
Walker, Lander co., 25c	Oct 29—Nov 14*
White & Murphy, Virginia, $4.50	Nov 10—Nov 25
Washoe, Gold Hill $4.50	Oct 15—Oct 26
Wide West, Alpine co., 50c	Sep 24—Oct 8
Well Partridge, Arizona, 25c	Oct 18—Oct 31
Waltt Cons., Arizona, 15c	Oct 18—Oct 31
Whitman, Lyon co., $7.50	Oct 29—Nov 15
Williams, Alpine co., 50c	Oct 21—Nov 8
Yellow Jacket, 11 per cent	Oct 4—Gold Hill
Yuba, 50c	Oct 29—Nov 9

*Those marked with an asterisk (*) are advertised in this journal.

BLASTING

POWDER.

EDWARD H. PARKER,

No. 204 California Street,

Agent of the

Hazard Powder Company.

G. F. DEETKIN,
MINING ENGINEER.

HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.

Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.

My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 406 Montgomery street. 15-tf

San Francisco, October 1st, 1864.

ATWOOD'S
SELF-REGULATING
WINDMILL.

This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,

SAN FRANCISCO:

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices.

222 Mission street, below Beale. 15

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily papor, unless the notice is inserted *daily*.

STILL IMPROVING!

VOLUME IX
—OF—
The Mining and Scientific Press

COMMENCED
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal xperience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,
An Economizer for Mining Advertisers,
A Reliable Reporter for Shareholders,
A Faithful Monitor for Stockdealers,
An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes,

In fact, upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies, Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes) $5.00
Six Months, (one volume) 3.00

FOR ADVERTISING

Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

OFFICE in Government House, Nos. 56 and 57, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alterations which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.
Office, 57 Government House, corner Washington and San some streest, San Francisco.

Mineral Statistics of Great Britain for 1863.

The mineral statistics of the United Kingdom for the year 1863, by Robert Hunt, F. R. S., Keeper of Mining Records, are nearly ready for publication. We have been favored with an early copy of the general summary of this important compilation, which we hasten to present to our readers, reserving any remarks, until the detailed statement is in our hands.

Gold.—The quantity of gold produced from two British Mines amounted to 552 ozs., of the value of £1747; the returns for 1862 being 5299 ozs., of the value of £20,390.

Tin.—The tin ore (black tin) smelted in 1863 amounted to 15,157 tons according to the returns of sales made each month by the tin smelters; the returns, as shown by the dues paid to the Stannary Court, giving 14,224 tons. This arises from the circumstance that, although the ore may have been sold in December, the dues on that ore may not be paid for a month or more after the sale. The actual increase in the quantity of tin ore raised and sold in 1863 was 830 tons; the quantity of metallic tin (white tin) produced being 10,006 tons.

Copper.—The production of copper from British mines still exhibits a falling off. During last year 210,947 tons of this mineral were produced from 222 mines, the quantity in 1862 having been 224,171 tons. This ore yielded to the smelter 14,247 tons of copper.

Lead.—The mines of the United Kingdom gave 91,283 tons of ore during the year, against 95,311 tons produced in 1862. Of lead we obtained from this ore 68,220 tons, the value of this metal being £1,418,985.

Silver.—The lead obtained gave 613,266 ozs. of silver; to this must be added 20,738 ozs. produced from ores so excessively rich in silver as to be returned as silver ores, making altogether 634,004 ozs., of the value of £174,351.

Zinc.—The production of zinc ore has somewhat increased, the quantities sold in 1863 amounting to 13,699 tons, which gave 3,835 tons of metallic zinc, of the valne of £90,889.

Pyrites—Sulphur Ores.—The quantities of these ores obtained from British mines still exhibit a decline of 95,376 tons, of the value of £62,035, being the produce of 1863, against 98,433 tons produced in 1862. The ores, however fetched a higher price.

Iron.—Of iron ores of different kinds 9.088,060 tons were obtained. This was employed in making 4,510,040 tons of pig iron, having the value of £11,275,100.

Coal.—There has been a large increase in the production of this mineral, 86,292,215 tons having been sold and used. The export trade has been less active than usual, therefore the employment of this large quantity is entirely due to the demands of British manufacturers.

General Summary of which Returns are given for 1863.

Minerals.	Quantity.	Valu .
Gold quartz.....Tons	385	£ 1,500
Tin ore	15,157	963,985
Copper ore	212,247	1,106,534
Lead ore	91,283	1,193,530
Silver ore	68	5,703
Zinc ore	12.941	29,968
Pyrites	95,376	62,035
Wolfram	13	67
Uranium.....Cwts.	3	23
Gossans.....Tons	4,424	4,576
Arsenic	1,444	1,200
Iron ore	9,101,552	3,240,890
Coal (sold and used)	86,292,215	20,572,945
Earthy minerals(estimated)		1,375,000
Total valne of minerals produced in 1863...		£29,151,976

Metals produced from British Minerals and Coals.

Gold.....Ozs.	552	£ 1,747
Tin.....Tons	13,006	1,170,702
Copper	14,247	1,409,608
Lead	68,220	1,418,985
Silver.....Ozs.	634,004	174,351
Zinc.....Tons	3,835	90,889
Iron, Pig	4,510,040	11,275,100
Total value of the above		£15,541,382
Estimated value of other metals		250,000
Coals		20,572,945
Total value of the metals obtained and coals produced in 1863		£36,364,327

The Plaza.—Mr. O'Donnell, of San Jose, proposes to adorn the plaza by settiug out a circle of evergreen trees around the fountain. On each side of the circle being half of the Plaza, he would lay off four plots, somewhat of a palm shape, preserving the walks straight and diagonally across, the latter being laid out serpentine, so as to avoid the center plot. The plan contemplates about two hundred uniform evergreens, and the fencing of each of the plots, which are to be planted with white clover and blue grass. Mr. O'Donnell enjoys a high repute, as a landscape gardener, and his plan appears to he one well worthy of consideration.

Beautiful Silver Ore.—About four thousand pounds of very rich silver ore, from the Shoshone mine, Reese River, was received by the Secretary, Mr. Newmark, a few days since, and has since been exhibited at the Company's office, on the corner of Clay and Leidesdorff streets. This ore is from an incline some 200 feet in depth, and it is supposed that it will work from $4,000 to $6,000 in silver to the ton, with a handsome showing also in gold. The company proposes hauling their first class ore to this city, for working, and reducing only second class ore at the mine.

Treasure from the North.—The steamship *Sierra Nevada* brought down from Victoria the sum of $327,462.84.

Professional and Business Cards.

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for Nevada Ter.
Office, Montgomery Block, 630 Montgomery Street,
10v8-2m SAN FRANCISCO.

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.

Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Capola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.
7v9-tf Office, 328 Montgomery street.

BOOKKEEPING.
YOUNG MEN CAN ACQUIRE A COMPLETE BUSINESS Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of Prof. Lutz, 305 Montgomery Street. The course of study prescribed for his students is more extensive and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable. 7-2m

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.
JARVIS JEWETT, AGENT.
629 Washington Street, San Francisco, Cal. 10v8-1m

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
GEO. B. HITCHCOCK & CO.,
2-1m 413 and 415 Sansome St., cor. Commercial, S. F.

NATHANIEL GRAY,
General Furnishing Undertaker,
641 Sacramento St., corner of Webb, San Francisco. 1

D. NORCROSS,
MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.
aug17-tf Masonic Temple, No. 6, Post Street.

Evening Instruction in Anylitical
Chemistry and Assaying,
Conducted by Thomas Price.
(Agent for the Swansea Ore Importers in California.)
HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

GOVERNMENT HOUSE.
Northwest corner Washington and Sansome streets San Francisco.
Sixty-Four Rooms and Offices, in Suits or single
THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.
C. A. CRANE, Proprietor.
JOSEPH C. COLLINS, Superintendent. 3-3m

Trades and Manufactures.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

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517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
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Blanks of all kinds printed and ruled to any desired pattern. 12-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

JOHN DANIEL,
(SUCCESSOR TO O. GORI)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

HENRY V. POSER,
Ornamental Plasterer.
No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.
OLD WALLS THOROUGHLY REPAIRED, CRACKS AND fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.
☞ Terms Moderate. ☜ 2-1m

HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.
THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

WANTED,
Gold Quartz Suitable for Cutting Jewelry.
By FRONTIER & DEVIENCY.
437 Pine Street, San Francisco.
au31tf.

Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
IIv8-m 313 and 315 Davis Street, San Francisco

Metallurgical Advertisements.

G. E. MOORE,
Assayer and Analytical Chemist,
Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.
REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!
Promptness and Accuracy Secured,
BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!
J. H. CHURCHILL, M. A.,
Consulting Chemist, [from Europe.]
No. 308 Front St., S. E. corner of Commercial Street.
Refer to the Editors of this journal.
☞ "HINTS FOR PROSPECTORS" free by post. 1tf

EUROPEAN
METALLURGICAL WORKS.
Bryant Street, Between Third and Fourth,
San Francisco.
THE Proprietors having recently added to this Establishment the latest and most approved Machinery for the Reduction and Testing of ORES of all sorts—either in large or small quantities—are prepared to test Ores by such process as may be ascertained best suited to their chemical character, after a careful analysis being first made. Assaying either in the humid or dry way, made of all Minerals. Also, Refining and Cupellation attended to.
☞ Particular attention paid to the Smelting of Copper and Silver Ores.
S. P. KIMBALL. J. R. MURPHY.
14-3m

DEETKEN & CO'S
METALLURGICAL WORKS,
FOR THE REDUCTION OF
SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND GOLD,
Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.
WORKS—On the San Bruno Road.
OFFICE—No. 315 Montgomery St., San Francisco. 16tf

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

NORTH BEACH
Quartz Mill and Reduction Works,
ARE PREPARED TO WORK GOLD AND SILVER ORES, in large or small quantities.
Working assays made of small lots, and all kinds of ores crushed at short notice.
Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
WHEELER & THAYER, Proprietors.
C. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf

WHEELER'S
Amalgamating & Separating Pans.
IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.
The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.
Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.
☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.
THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from
Gold and Silver Ores,
Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.
These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Ploucer Mill, Eastern Slope Mill, Phœnix Mill, etc.
☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.
[Illustrated in the Mining and Scientific Press, April 9th, 864.] HEPBURN & PETERSON.
nov8 3m*

To Quartz Miners.
ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my Improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. This a constant circulating of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.
No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.
A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

PRATER'S
PATENT CONCENTRATOR.
THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed
It Has No Equal in Use.
The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.
This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to
HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

Disney's Cylinder Amalgamator.
The Cheapest and Best.
DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.
It may be seen in operation at the Rail Road Foundry on Fremont street where
A NEW CRUSHER
Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.
M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

SOMETHING ABOUT WHALES.—In connection with the recent "whale show" on the sea beach, near this city, the following paragraph, containing some information in regard to these monsters of the deep, may not be altogether without interest :—

Sperm Whales belong to the polygamy class, are not matched or go in pairs, as in the case with the right whale. They are of a chocolate color, and when undisturbed, are very frequently found in large 'schools,' which are generally cow whales, protected on the outskirts by two or three enormous males called 'old sojers.' These sail in among the school alternately at railroad speed, and sometimes meet with queer receptions from harpoons laying in wait for them. It is said that some of the old sojers are a dread to all whalemen, and which are shunned on the least suspicion. The tunnage of a full-grown whale is enormous. When a carcass of one is disposed to sink, no cable of iron or rope has ever been known to sustain it. When harpooned, and not badly hurt, they settle down generally about one thousand fathoms before they move off or rise to the surface; hence all the lines of the boat are required for paying out. The head of a large sperm whale will weigh about thirty-five tuns, and forty-five barrels of pure spermaceti have been taken from his case, which is a mere vein in his head compared with the remaining part, which consists of four-fifths of the head, and is called 'white horse,' a sinewy gristle which is impenetrable to a sharp axe. Large copper bolts have been found imbedded in the heads of some of them, caused by the attacks and destruction of vessels on the surface, or plunging at the wrecks on the bottom of the sea.

HORSE POWER.—The Reese River miners are quite ingenious and active in improvising cheap motive power for their little prospecting mills. The latest phase which their ingenuity has taken, is the construction of home made horse powers. The *Reveille* of the 30th ult. says :—

"About three weeks since, Johnson & Co. built a horse power for their four-stamp quartz mill, near the district school house, in the Third Ward, and met with such good success with it, that two other persons, engaged in the same business, had horse powers built immediately, and one is now in successful operation. Yesterday, still another one was commenced by R. A. Brown, and will be put up nearly north of Bradford's Hall."

WEATHER REPORT.—Dr. Logan, of Sacramento, in his weather report for September thus speaks :—"Nothing worthy of special note has occured during the month beyond the ordinary changes attendant upon the regular progression of the seasons. The temperature has been rather above the average. This has been felt more sensibly than the instrumental measurement would indicate, in consequence of the dying away of the southerly breezes towards sundown, and the consequent stagnation of the air, during the intervals of our hours of observation. This sultry condition of the evenings is peculiar to the Autumn of California. It is to soon yet to make any calculations as to the approaching rainy season, but so far as the commonly accepted signs go, the indications are favorable for a wet Winter."

UNPARALLELED.—The wife of Jose Castro, of Monterey, has given birth to thirty-six children, all of whom are living together in that county. The first twenty are twins, each pair representatives of either sex. Of the remaining children, eleven only were singly born. A yearling calf is eaten at a meal by this family, and for dessert they usually consume an enormous quantity of frijoles. It is safe to say that a more prolific couple cannot be found on the globe. At least, a parallel instance is not a matter of record.

A RICH DISCOVERY.—The Esmeralda *Union* is informed that the employees of the Del Monte company found, the other day, concealed in the mine, twenty sacks of exceedingly rich ore, which had been placed there by parties engaged in the mine, for a dishonest purpose. The estimated value of the rock is four thousand dollars. The Del Monte company is always prompt in paying the men in its service, and we are glad the thieves, whoever they are, failed to make a raise at the expense of that company.

APPLICATION OF THERMO-ELECTRICITY.—Mr. Bryson has recently exhibited at the Scottish Society of arts a very beautiful application of thermo-electricity, which will enable a ship, even in the darkness of fog or midnight to determine the proximity of icebergs. Dr. Strethill Wright conducted the experiments, and astonished the society by firing a miniature cannon by a lump of ice. We believe the Cunard Company have offered Mr. Bryson every facility for testing his invention on a large scale.

Mechanical Advertisements.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbet Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.
EVERY DESCRIPTION OF IRON AND BRASS MACHINERY, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as :
Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.
Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
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No. 24 & 26 Fremont Street.
—MANUFACTURE—
STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES,
Castings of all kinds,
Furnished. Our new and complete arrangments will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

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GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.
CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
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HINCKLEY & CO.,
MANUFACTURERS OF
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Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
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THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
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R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 21, 1864. 22-tf

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And Quartz Machinery, Printing Presses,
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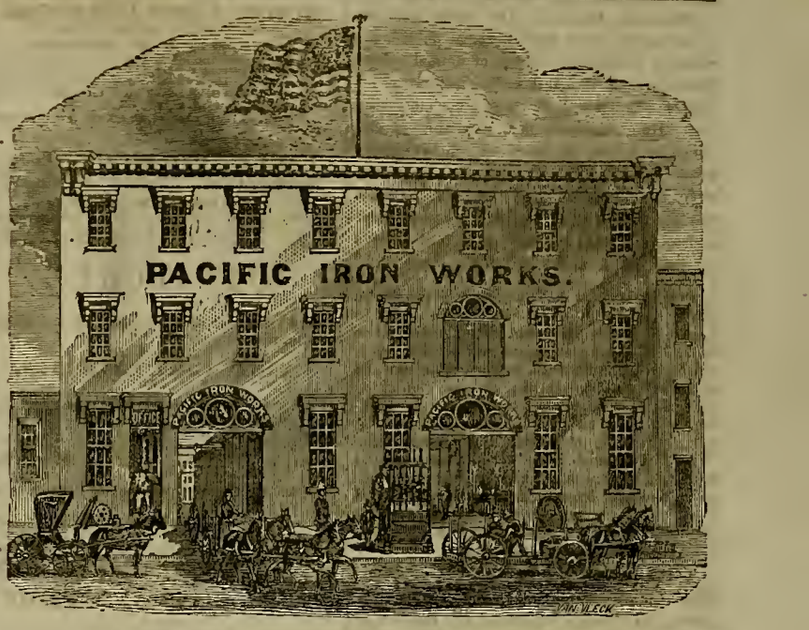

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The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c., &c. Orders respectfully solicited.
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THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Lathes to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.
MACHINERY
Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.
Quartz Stampers, Shoes & Dies,
Warranted to be made of the very hardest and toughest Iron.
RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.
A Published list of the Patterns of these Works will be sent on application.
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The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

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—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.
IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address
SMITH & HANSCOM,
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DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.
Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.
IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
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THE ONLY EXCLUSIVELY BOILER MAKING ESTABLISHMENT on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
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BLAKE'S
QUARTZ BREAKER
Is now extensively used for breaking hard masses of
QUARTZ OR ORES
to a size suitable for stamps. These machines are patented, and are in practical operation in
CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.
Machines, or circulars containing further information, may be obtained of the undersigned.
BLAKE & TYLER.
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CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
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HARRISON'S ECCENTRIC PUMP.
This pump is designed for throwing large quantities of water, either as a wrecking pump, a mining pump, or for irrigation. Its principal advantages are that it is light and compact, very durable and not at all liable to choke or get out of order.
It has no valves and no packing. It is a suction and force pump, and has sucked water up over 27½ feet.
It can run fast or slow, and according to its speed is the quantity of water discharged.
All sizes, capable of throwing from 100 to 6000 gallons per minute. For sale by **C. H. HARRISON,**
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GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
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WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ SCROLL SAWING DONE TO ORDER. ☜
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Hudson's Improved Pump,
(Specimen on Exhibition in the Pavilion.)
Plumbing and Gas Fitting in all Its Branches.
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WOODARD & WILSON,
Copper Crushing and Grinding.
Attend to all kinds of Grinding & Crushing,
—SUCH AS—
COPPER ORES, MARBLE DUST, FIRE-BRICK DUST,
And Feed of all Kinds,
All of which will be Ground at the Shortest Notice.
—ALSO—
California Mineral Paint and Mineral Polishing Powder.
Works—No. 537 Market Street.
San Francisco, January 1st, 1864. 1-tf

STEEL! STEEL!! STEEL!!!
OCTAGON, 7-8, 1in, 1 1-8,
SQUARE, 3-4, 7-8, 1in, 1⅛in.
For Sale in lots to suit Purchasers by
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Office, 405 Front street, San Francisco. 6v8tf

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardyngc. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public.
W. H. TOWEY,
Agent, Government House, San Francisco. 15-tf

GRAFTING ANIMALS.—The *Intellectual Observer* says :—"Dr. Paul Bert has published a work on the curious subject of animal grafts. He succeeded in making Siamese twins of a couple of rats, and in many other monstrosities. He exclaims, 'it is a surprising spectacle to see a paw cut from one rat, live, grow finish its ossification, and regenerate its nerves, under the skin of a dog, what a miracle to see the interrupted vital phenomena resume their course, and the fragment of a bird receive nourishment from the blood of a mammal.'"

PLACER MINING IN WASHOE.—Although the placer mines of Gold Cañon were thought to be about worked out some time ago, says the Gold Hill *News*, yet we saw, a few days since, some men at work with rockers, after the old primitive California style, and on inquiry we ascertained they were doing pretty well, making from three to four dollars per day to the man, which is not so bad these hard times. Where these men were working is near the mouth of the cañon, just above the lower toll-gate, and in a locality that has been worked considerably in years past. There are undoubtedly numerous other places in the cañon that would pay yet.

A COLORADO GOLD NUGGET.—A nugget of gold, weighing 80 pounds, was recently on exhibition at Chicago, Ill., which was taken from the Brigg's Gold Mining Company's claim in Colorado. The nugget is valued at $44,000, and is described as a splendid specimen.

MORE COPPER.—The workmen in the Keystone Copper claim, at Copperopolis, have struck ore of the richest kind at the depth of two hundred and fifteen feet.

ABEL STEARNS, the great stock raiser of Southern California, has failed. His losses in cattle, caused by the drouth, have been enormous. He numbers them by thousands.

No less than twenty freight engines on the Western railroads have recently been altered so as to burn coal, it having been found that this is a cheaper fuel than wood. Ten more are in the work-shops to be altered in the same way.

CHRISTIAN COMMISSION FAIR.—The ladies of Sacramento open their Fair for the benefit of the Christian Commission in that city, on the 13th instant. They solicit contributions of articles for exhibition and sale.

BROOMS.—Great Britain imports brooms from this country. A large manufacturer in Chicopee, Mass., supplies heavy orders for London and Birmingham.

IN TURKEY, whenever a storekeeper is convicted of telling a lie, his house is painted black, to remain so for one month. If there were such a law in force in this country, what a somber and gloomy appearance some of our cities would present!

AN OVERTASKED MIND.—Aaron D. Patchen, one of the wealthiest men in the State of New York, died at Buffalo, recently, an idiot. He had overtasked his mind with cares and riches.

THERE are two classes of intellectual men in this world; one which tells you all they know on a first acquaintance, while the other is like a continual fountain—always supplying some information which you have to draw from them.

IT is stated that in the first two years of the present war 2800 walnut trees were felled to supply a single European manufactory of gunstocks for the American market.

DIVIDEND.—The Pacific Insurance Company have declared a dividend of six dollars per share, or six per cent on their capital stock.

VELOCITY OF MECHANISM.—A 60-inch fan running 4,000 revolutions a minute, has a velocity at the periphery of 1,100 feet per second. This is just about the average velocity of cannon balls.

TO PRINTERS.—*By our little Joker.*—Why are the rebels in the Southwest like *rats?* Because they are trying to work their way into Missouri *under Price.* Query—Will they be admitted into the *Union?—Folsom Telegraph.*

COPPER MINERS FOR LAKE SUPERIOR.—"Four hundred and seventy-eight Swedish emigrants, principally miners, have just arrived in Quebec, on their way to the Lake Superior copper mines."

BANK OF CALIFORNIA.—The following persons were on the 4th inst., elected Trustees of the Bank of California for the ensuing 12 months: D. O. Mills, W. C. Ralston, J. B. Thomas, Louis McLane, John O. Earl, Thomas Bell, James Whitney, Jr., William Norris, O. F. Griffin, Herman Michels and A. J. Pope.

MINING LAWS AND FORMS.

Third Edition revised and enlarged.

Compiled by H. B. CONGDON.

THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.

Published by H. H. BANCROFT & CO.

10

RICHARD WEGENER,

Accountant, Mining Secretary,

AND GENERAL AGENT.

No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

CATALOGUE

Of the Articles on Exhibition at the Mechanics' Pavilion, including those of the

ART GALLERIES,

With the Ground Plan of the Building; A "Key to the Contents of the Pavillion," and an Alphabetical Index of Exhibitors' Names.

PRICE,.....25 CENTS.

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WILSON & EVANS WHOLESALE AND Retail dealers in fire arms, have constantly on hand a full supply of plain and fancy pistols of every description.

Henry's Repeating and other Rifles.

CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**
513 Clay street, San Francisco.
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Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

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TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco
P. T. ARCHAMBOU.....Geyserville.
19-3m

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF OCTOBER, 1864.

Oct. 3—GOLDEN AGE.....Capt. E. S. Fransworth.
At 3 o'clock P. M.
Oct. 13—CONSTITUTION.....Capt. J. T. Watkins.
Oct. 23—SACRAMENTO.....Geo. F. Bradbury.

From Folsom street Wharf, at nine o'clock A. M., punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently prescribed to the public as the best investment, for the price, now offered this market.

Office of the Company No. 325 Montgomery street. 1tf

1852. 1864.

TWELFTH YEAR OF PUBLICATION.

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THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

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Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

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HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

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GUM ELASTIC STOCKINGS,	PLASTER PARIS,
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THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

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Our Motto, ☞ "Large Sales at Small Profits for CASH. ☜

EMPIRE STATE RESTAURANT!!!

No. 426 & 428 Sansome Street, between Clay and Commercial, San Francisco.

Meals served from 5 o'clock A. M. to 12 P. M.

STEPHENS & WADHAMS,
1-df Proprietors.

A New and Valuable Book.

PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.

A. ROMAN & CO.,
Booksellers, Importers and Publishers,
417 and 419 Montgomery street,
no30-tf San Francisco.

SQUARZA'S PUNCH.

FIRST PREMIUM

AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.

ALSO, FIRST PREMIUM

At the San Francisco Bay District Agricultural Fair, 1862.

MANUFACTORY, WHOLESALE AND RETAIL,

No. 44 Leidsdorff street, opposite the What Cheer House,
12-tf San Francisco.

A Much Needed Invention.—Heretofore the numerous evils arising from shrunken doors and windows have had to be patiently submitted to. The stuffing of the appertures with list, carpet strips, etc., have been found altogether insufficient to answer the desired purpose. In order to obviate and overcome this serious inconvenience and produce a sure preventive, "Brown's Metallic Weather Strips and Window Bands" have been introduced and are warranted to exclude dust, wind, rain, heat or cold. They prevent the clattering of sashes and produce the same effect on all doors and windows. In stormy weather they make your house an Elysium, when without these applinnces it would be more like Pandemonium, especially to a nervous person. They are so cheap and simple that they come within the means and reach of all, and we donbt not bat that the housekeepers of San Francisco will hail with joy an invention that will save them so much labor, secure them neat and quiet dwellings, and keep the temperature therein uniform and pleasant. They are peculiarly adapted to this climate, and those who are troubled with leaky doors or windows would do well to examine this invention before the advent of the approaching rainy season. The invention is highly recommended by all who have used it, and where entire satisfaction is not given no pay is required.

*

R. A. Swain & Co.—We would call attention to the splendid show of French Crockery and other elegant fancy ware, made by this firm at the Pavilion. This house is one of the oldest in the city, having been established in 1852, by Mr. Swain the present senior partner. In the early part of 1854, Mr. William J. Mack, became a member of the firm, which then assumed its present style. They have recently erected a magnificent fire proof edifice at the corner of Pine and Sansoms streets, where they now display one of the largest and most complete stocks of goods in their line ever offered on the Pacific coast. Our space will not admit of an enumeration of the varied and magnificent articles which they offer for sale; hence we would invite our readers to visit their establishment and examine for themselves. You will find it a perfect museum of wares in their line of business, and whether you purchase or not you will be courteously received by the gentlemanly proprietors, who will spare no pains to render your visit both agreeable and profitable.

The Gold Hill *News* says it is rumored that the Gould & Curry and the Savage had combined and purchased the title to the North Potosi mine.

A Locomotive on a trial trip passed on the 15th of July from Spain into France, across the mountains. More than sixteen miles of tunnel had to be traversed.

Sailing of the Steamer "Sierra Nevada."—The sailing of the steamship Sierra Nevada, for Portland and Victoria, has been deferred to Tuesday morning next at 10 o'clock A. M.

Matrimonial.—A Washington correspondent says it is rumored that Gen. A. M. Winn, formerly of Sacramento, and Mrs. James King of William are to be married.

Geo. Reynolds, a native of Cornwall, England, fell down a shaft on the Napoleon claim, near Copperopolis, Calaveras county, on Saturday last, and was instantly killed. The shaft was 50 feet deep.

Large Tax.—It is not generally known that the last Congress levied an income tax of five per cent. in addition to the three per cent. tax, yet such is the case. Those having incomes over $600 a year, besides house rent, must pay a tax of eight per cent. thereon. This tax is on the incoms of last year.

Fire.—For several days past the woods on the mountains around the city of Nevada have been on fire.

Dry.—Water is so searce in Nevada that none is to bs had for sprinkling the streets.

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.]

Advertising Circular.

The Proprietors of the Mining and Scientific Press would call the especial attention of Mining Secretaries, Trustees and Shareholders, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The Press enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the Press is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the Press, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the Press or some other paper.

6th. Many copies of the Press are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the Press, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

Last, but not Least.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the Press shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,
Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day Except Friday.

Advertise the Assessment Notice on the First Four Saturdays succeeding the day upon which the assessment is levied.

Appoint the day for advertising the Delinquent Sale on the Fifth Saturday succeeding the date of levying the assessment.

Appoint the Day of Sale on the Seventh Saturday succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Our Patent Agency.

The Patent Agency of the Mining and Scientific Press has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of Letters Patent from the United States and foreign Governments cannot be over-rated, and the Proprietors of the Press, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Enlargement.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Leangel.*

GREAT TRIUMPH
—OF THE—
FLORENCE!

We, the undersigned, have each purchased a FLORENCE SEWING MACHINE and have them now in use.

We have thoroughly tested them on work of all grades—heavy, medium and light—and our opinion is that the Florence is durable, will not easily get out of order, is strong and simple in construction, and its use is easily learned by the most inexperienced.

It will do a greater range of work, with less trouble and change, and we consider it altogether better than any other Family Sewing Machine we have ever seen:

Mrs. Dr. Chase, 31 Turk street, S. F.
Mrs. D. B. Coffin, 20 Clay street, S. F.
Mrs. J. B. Wooster, 525 Folsom street, S. F.
Mrs. S. D. Gilmore, 518 Folsom street, S. F.
Mrs. Daniel Dunn, 414 Folsom street, S. F.
Mrs. J. Spinoni, 228 Rich street, S. F.
Mrs. Alfred Wheeler, 947 Mission street, S. F.
Mrs. Henry Miller, 850 Howard street, S. F.
Mrs. Emily Bidwell, 749 Market street, S. F.
Mrs. Sarah Landers, 704 Market street, S. F.
Mrs. E. H. Ohm, 211 Geary street, S. F.
Mrs. G. A. Carnes, Jackson Place, S. F.
Mrs. Branch, Pacific, near Leavenworth street, S. F.
Mrs W. H. Baraard, 508 Kearny street, S. F.
Mrs. E. Harper, Sacramento, west of Leavenworth street, S. F.
Mrs. Harriet Cushing, 316 First street, S. F.
W. H. Rulofson, corner Montgomery and Sacramento streets, S. F.
Mrs. Pruett, 616 California street, S. F.
Mrs. M. S. Morton, 632 Sutter street, S. F.
Mrs. Bohen, 617 Pine street, S. F.
Mrs. Ann Bradley, 612 California street, S. F.
Mrs. Geo. H. Parker, 259 Stevenson street, S. F.
Mrs. John C. Corbet, Mission Dolores.
Miss Annie McBoyle, El Dorado.
Miss Maggie McBoyle, El Dorado.
Chas. S. Preble, Sacramento.
Louis Stegeman, Santa Clara.
J. W. Hoag, Oakland.
Mrs. A. M. Dnaham, Oakland.
Mrs. Orrie Woodill, Oakland.
Mrs. D. G. Smith, Oakland.
Mrs. J. B. Woodill, Oaklaad.
Mrs. Mary E. Burckhalter, Dutch Flat.
Mrs. C. J. Oliver, Napa.
Mrs. Samuel T. Tong, Clarksvills, El Dorado, county.
Wm. Reddick, Fourth Crossing, Calaveras County.
Mrs. C. E. Comstock, Napa City.
Mrs. Joseph Keefer, Clarksville, El Dorado county.
Mrs. John O'Neil, Jamestown, Tuolumne county.
R. H. Farquhar, (County Clerk) Nevada City.
George K. Farquhar, Nevada City.
E. W. Biglow, Nevada City.
N. W. Knowlton, (practical machinist) Nevada City.
C. M. Bates, M. D., Nevada City.
John Herzinger, Nevada City.
H. Maekie, Nevada City.
P. Brunstiter, Grass Valley.
O. C. Shorey, Seattle, W. T.
D. Horton, Seattle, W. T.
Henry Jackson, Watsonville, Santa Cruz co.
Mrs. Albert Bader, San Andreas.
Mrs. Newton Damon, dress maker and tailoress, Seventh street, between Bryant and Brannan, San Francisco.

Previous to purchasing the Florence I owned the Howe Sewing Machine.
MRS. J. CRAWFORD,
Copperopolis, Calaveras county, Cal.

I used the Sloat Eliptic Machine six months previous to purchasing the Florence.
MRS. MARY CAFFEY,
Dressmaker, 16 Post street, San Francisco.

We, whose names follow, owned and used the Grover & Baker Sewing Machine previous to purchasing the Florence:
Mrs. Mary A. Merchant, dressmaker, 810 Stockton street, San Francisco.
Mrs. B. Weller, dressmaker, 406 Dupont street, San Francisco.
Mrs. Chas. Uznay, 419 Bryant street, San Francisco.
E. A. Love, Aagel's, Calaveras conaty, California.
Mrs. M. J. Roberts, 646 Howard street, San Francisco.
Mrs. L. H. Bayley, Portsmouth House, San Francisco.
Mrs. Julia Lyons, Target street, near Tehama, San Francisco.
Mrs Harriet Howes, 625 Post street, San Francisco.

We, whose names follow, owned and used the Wheeler & Wilson Sewing Machine previous to purchasing the Florence:
Mrs. J. D. Blain, Hubbard street, near Howard, San Francisco.
Mrs. D. S. Ruggles, 414 Folsom strsot, San Francisco.
Mrs. M. Young, 211 Stockton street, San Francisco.
A. M. Flint, C. L. Flint, San Juan, Monterey county, Cal.
Mrs. C. P. Jackson, El Dorado, El Dorado county, Cal.
Mrs. C. L. Taylor, 512 Dupont street.
Mrs. Sarah E. Miller, Sacramento.
Mrs. A. Nash, corner Stevenson and Third streets, San Francisco.
Mrs. Thomas Mitchel, Mokclumne Hill, Calaveras county.

The following named persons owned and used the Singer Sewing Machines previous to purchasing the Florence:
Mrs. A. J. Turner, 320 Beale street, San Francisco.
Mrs. H. B. Oshorne, 612 Powell street, San Francisco.
Mrs. Annie Dailey, Bush street, below Stockton, San Francisco.
Augustus Brown, 134 Sutter st., San Francisco.
Mrs. F. Scherb, 673 Mission street, San Francisco.
Mrs. Sarah P. Vick, dressmaker and seamstress, 109 Stevenson street, San Francisco.

I have found the Florence to be all that I anticipated. It has never been out of order, nor ever has "spells," like most machines of other manufacture, several of which I have owned. I can conscientiously recommend the "Florence."
Mrs. Albert Bader.
San Andreas, May 17, 1864.

The Testimony of all purchasers of the Florence is but a repetition of the opinion of the few whose names are given above.

As our competitors have not deemed it advisable to exhibit their machines at the present Fair, to be tested by the side of *The Florence*, and as there are many strangers in the city, who contemplate purchasing sewing machines, who prefer (and we earnestly request them to do so) to see and compare the merits of all before they make their selection, we give below, for their convenience, the location of the principal Sewing Machine Offices in the city.

LOCK STITCH MACHINES.

Wheeler & Wilson's, office, corner Montgomery and Sacramento streets.
Singer's, 139 Montgomery street.
Ladd & Webster's, 32 Montgomery street.
Howe's, 3 Montgomery street.
Williams & Orvis', corner Jackson and Battery streets.

CHAIN, LOOP, AND "EMBROIDERY" STITCH MACHINES.

Grover & Baker's, office, 329 Montgomery st.
Folsom's New England, 8 Montgomery street.
Little Giant, 3 Montgomery street.

Parties who have not had the opportunity to thoroughly examine the Florence at the Pavilion, owing to the crowd of people gathered around the machines, will please call at Sales Room 111 Montgomery street and test them at their leisure, and until perfectly satisfied whether what is claimed for them is true or not.

SAMUEL HILL,
General Agent for the Sale of the Florence on the Pacific Coast.

Edward Bosqui & Co.,
No. 517 Clay Street.
BOOK BINDERS, PAPER RULERS
—AND—
BLANK BOOK MANUFACTUSERS,
Blanks of all kinds printed and ruled to any desired pattern
Agents for the sale of Strawboard manufactured at the San Lorenzo Paper Mills, Santa Cruz. (5)

California Against the World!
If you want to buy a Good Trunk, go to the
Tehama Trunk Manufactory.
JAMES LONGSHORE,
1df Cor. of California and Sansome streets.

IMPROVED CEMENT.—Common lime mortar becomes hard from long exposure to the atmosphere, by absorbing carbonic acid slowly, and thus returning to its original condition—limestone being a carbonate of lime. A patent has been taken out by C. W. Westmacott, of London, for a new cement to be used as mortar for building and plastering and also casting molds. The nature of the improvement consists of a mixture of carbonate of lime with common burned lime. The cement is composed of one hushel of burned lime to two bushels of ground dry chalk or ground limestone or marble. The lime, as it comes from the kiln, is first slacked with water, then mixed with the ground chalk or limestone in water; saud is then added in the same way that common mortar is made, and the mass allowed to stand for two or three days before the cement is used. This cement may also be made by mixing the burned lime, dry, with the chalk (which is dried in an oven) in powder, and kept for use, to be mixed with water. It may also be worked into a paste and molded like clay. It soon becomes quite hard and fixed.

ELECTRICAL PHENOMENA.—A party consisting of three men and a lady, with two guides, endeavored to make the ascent of the Alps on the 10th of July last, but when they had proceeded some distance they were prevented by a storm, during which they got into the middle of an electric cloud. Their hair emitted a hissing, crackling sound, as if it had been under the influence of a powerful electrical machine, and over their faces and bodies they experienced a prickling, burning sensation. Peals of thunder were heard, at each of which the party received an electric shock, but no lightning was seen. The right arm of one of the party was paralized for sevcral minutes; snow emitted hissing sounds; the lady's veil stood straight out, as also did the hair of all of them, which looked so ludicrous that they could not help hursting into laughter. The phenomena lasted for about twenty-five minutes, and no evil effects were felt by the party afterwards.

PRESERVATION OF FRUIT.—At the Russian Court fruit is preserved by being packed in creosotized lime. The lime is slacked in water in which a little creosote has been dissolved, and is allowed to fall to powder. The bottom of a plain deal box is covered with it one inch high, and over it is a sheet of paper. Upon this the fruit, well selected and cleansed, is arranged; over this another sheet of paper, and on top of this another such stratum of prepared lime; in the corners a little finely-powdered charcoal is put. The whole box is then filled in the same manner, and the well-fitting lid nailed down. Fruit kept in this manner will remain intact at least one year.

HAND MILLS—The Humboldt *Register*, in speaking of the miniature mills of Reese River says:—

"These hand mills are giving better satisfaction and larger returns than the steam mills. The working of ores by hand mills is quite common in many parts of South America, and it is said that large fortunes have been made with them there. Here is a chance for some of our energetic laborers. Let them try their luck with a hand quartz mill. Small quantities of rich rock can be easily obtained, and the result may be profitable. Money made in this way is worth just as much as if it were made in a forty stamp steam mill.

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING
At less than half the cost of tin roofs.

READY ROOFING
More durable than Tin.

READY ROOFING
Suitable for steep or flat roofs.

READY ROOFING
For all kinds of buildings, in all climates.

READY ROOFING
Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.
Much cheaper and more durable than oil paint. Also,
Compound Cement,
For Leaky Shingle Roofs,
Which will often save the cost of a new roof.
Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.
READY ROOFING CO.,
6-tf 73 Maiden Lane, N. Y.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:
R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 323 Montgomery Street. jltf

POSTPONEMENT.—The above sale is postponed until Saturday November 5th, 1864. 11

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood-work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Pintt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shriuk and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wriager is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,
JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.
New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wriuger by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.
6-tf

Mining Notices.

Advertised in Previous Issues.

Aspinwall Gold and Silver Mining Company, Amador District, Lander County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt. Certificates No. 71, 72, 73, 74, 75, 76 and 77, standing in the name of W. D. Mathenay.

11 JOSEPH HEALY, Secretary.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Locatiou, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees.

B. C. AUSTIN, Secretary.

Office, 324 Clay street, San Francisco. 11-4

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 23th day of September, 1864, an assessment of five dollars per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary at his office, or to JAS. B. COFFEY, Virginia City, Nevada Territory.

Any stock upon which said assessment shall remain unpaid on the 1st day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 16th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10, Government House, corner of Sansome and Washington streets, San Francisco, Cal. [14

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 17th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Patton	1 2 3—ea	10 30	$7 50
Isabella Mayers	8	5	1 25
Henry Mayer's	54	5	1 25
Geo S Soren	10	5	1 25
Jonathan Fine	13	10	2 50
W B Reynolds	15 17—en	10 20	5 00
W B Reyaolds	18	5	1 25
T A Cook	19 20—en	50 100	25 00
T A Cook	22	20	5 00
T A Cook	26	5	1 25
A Van Fleet	29	25	6 25
R P Johnson	34	55	13 75
James N Booth	43	16	4 00
Benjamin Brady	45	10	2 50
H Crowell	46	5	1 25
E Pruitt	49 76—ea	10 20	5 00
J R Truitt	51	5	1 25
W B Reyaolds	54	5	1 25
J W Cook	60	5	1 25
B Ellis	70	5	1 25
J J May	74	5	1 25
A C Dodge	75	5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 17th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, California on the 15th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco. 14-2t

Citizens' Coal Mining Company, Mount Diablo District, Coutrn Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 20th day of August, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
H Rothschild	37	2	$10-00
Ad Winterberg	38	5	25 00
Francis Worth	84	3	15 00
P Stemmler	14	2	10 00
P Stemmler	15	1	5 00
P Stemmler	39	1	5 00
M Waizmann	101	3	15 00
Wm Stribly	67	1	5 00
James Wands	75	1	5 00
Johnathan Fiedler	84	1	5 00
C Merkle	90	1	5 00

And in accordance with law and an order of the Board of Trustees, made on the 20th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., (now Maurice Dore & Co.) No. 327 Montgomery street, on the 8th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

E. J. PFEIFFER, Secretary.

Office, S. W. Corner Post and Dupont streets, San Francisco, Cal. 13

Dashing Wave Gold and Silver Mining Company.
Loomis Gold and Silver Mining Company.
Walker Gold and Silver Mining Company, Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 23th day of September, 1864, an assessment of 25 cents per share was levied upon the capital stock of each of said Companies, payable on the 29th day of September, 1864, in United States coin, to the Secretary at his office, or to FRANCIS CLARK, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 14th day of November, 1864, at 12 o'clock M., to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. HOLLIS, Secretary.

Office, No. 302 Montgomery street, San Francisco, California. 14

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 7th day of September, 1864, an assessment of thirty cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on the 10th day of October, 1864, will be advertised on the 15th as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary

Office, 204 Front Street. San Francisco, Cal., Sept. 8, 1864
11-5t

El Dorado Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 24th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

No. 430 Montgomery street, San Francisco. 14-4t

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations. These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 12th day of September, 1864, an Assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 3d day of October, 1864, in United States gold coin to the Secretary, at his office, or to H. MORRIS, in Markleeville.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 29th day of October, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [12-4t

General Jackson Gold and Silver Mining Company, Devil's Gate District, Lyon County, N. T.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Peter Brown	31	50	$25 00
Peter Brown	34 35—ea 25	50	25 00
Peter Brown	36	10	5 00
W J Bell	48	25	12 50
W J Bell	49	15	7 50
W J Bell	50	10	5 00
James Bateman	93	5	2 50
Fred Bruer	117	25	12 50
John Carmichael	16	25	12 50
John Carmichael	17	25	12 50
Isabella Drysdale	06	10	5 00
Isabella Drysdale	97	15	7 50
John Forbes	120	15	7 50
John Forbes	121	10	5 00
John Forbes	139	50	25 00
Bernard Galen	89	10	5 00
Bernard Galen	90	10	5 00
Henry Goldswait	125	10	5 00
Henry Goldswait	126	15	7 50
David Hunter	114	25	12 50
C N Huyck	129	10	5 00
C E B Howe	133	5	2 50
Geo Harwood	140	50	25 00
Frank Kruger	118	15	7 50
Frank Kruger	119	10	5 00
David Love	74	10	5 00
Daniel M Love	75	10	5 00
Alexander Laivel	39	25	12 50
John McMaan	1	10	5 00
John McMann	2	10	5 00
William Muir	122	10	5 00
William Muir	123	10	5 00
William Muir	124	5	2 50
John Pattie	44	25	12 50
John Pattie	45	25	12 50
John Pattie 76 77 78 79	80—en	10 50	25 00
Edward Phelps	92	5	2 50
Richard Schwies	55	20	10 00
Chas Stott	113	25	12 50
Chas Stott 134 135 136 137	138—ea	10 50	25 00
Alex Stott	115	25	12 50
Robt Stott	116	25	12 50
Otto Trilling	24	15	7 50
Otto Trilling	25	10	5 00
Wm Trottman	23	15	7 50
Wm Trottman	20	10	5 00
Peter Taylor	127	10	5 00
Peter Taylor	128	10	5 00
Alex Vesey	109	5	2 50
George Woodhead	91	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 625 Clay street, San Francisco. 13

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 31st day of August, 1864, and previously, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
David Jones	1	30	$60 00
David Jones	2	10	20
David Jones	3	10	20
Wm Jenkins	4	25	50
Wm Jenkins	5	25	50
Olive E Turney	6	15	30
Moses Davis	8	10	20
L S Montague	10 to 19—ea	10 100	200
L S Montague	20 to 39—ea	5 100	200
Ralph Reamer	40	10	20
Ann L Wilder	43	35	70
John King	46 47 48	25	50
Henry Hammel	49 50 51	25	50
Wm A Hobbs	52 53	40	80
Wm P Hanna	56	40	80
Jacob Carpenter	57	40	80
F M Cuddy	58	40	80
L S Strode	59	40	80
T L Howe	61	20	40
George Rees	63	8	16
C L Johnson	67	10	20
L S Strode	70	12	24
F A Wilder	71	40	100
O Hucklas	72	5	10
J H Hall	73	5	10
L S Strode	74	10	20
J P O'Connell	75	10	20
W N Williams	76	4	10
George Rees	77 78 79	97	194
H K Porter	82 83	40	80
Wm M Davis	84 85	64	128
W D Edwards	86	5	10
John G Williams	87	5	10
John E Williams	88	5	10
Wm Jenkins	89 90	10	20
L S Strode	95	100	200
F M Caddy	97 98 99	278	556
John Jones	101	45	90
I. Richardson	not issued	5	10
W B Derol	not issued	100	200
Joba C Hay, ass'ts 1 & 2,	not issued	45	135

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by the undersigned, at public auction, at the Company's office, No. 523 Clay street, San Francisco, Cal., on the 17th day of October, 1864, at the hour of 12 o'clock M., said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

B. W. MUDGE, Secretary

Office, No. 523 Clay street, San Francisco, Cal 14

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent, upon the following described stock on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Beldeman	54	25	$62 50
Wm C Root	48	25	62 50

And in accordance with law and an order of the Board of Trustees, made on the 23d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the company, No. 623 Montgomery street, San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.

Office, No. 623 Montgomery street, San Francisco, California. 13

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 24th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
Geo Wall	441	25	$1 25
Geo Wall	442	25	1 25
J Cerf	42	25	1 25
J Cerf	43	25	1 25
J Cerf	47	50	2 50
A W Hobbs	63	25	1 25
A W Hobbs	133	25	1 25
C S Hobbs	62	25	1 25
G H Nagle	7	50	2 50
E Stratton part	113	10	50
E Stratton	114	20	1 00
J H Turney	126	200	10 00
J S Leyford	170	25	1 25
J S Leyford	177	25	1 25
Chas Perry	182	25	5 00
N R Lowell	170	100	5 00
N R Lowell	171	100	5 00
H M Backus	102	50	2 50
L F Morgan	424	25	1 25
L F Morgan	408	200	10 00
Daniel Winter	186 187-ea 50	100	5 00
Daniel Winter	188 189-ea 25	50	2 50
Daniel Winter	190	25	1 25
Daniel Winter	191	25	1 25
E A Atwood	201	10	50
E A Atwood	202	10	50
E A Atwood	381	50	2 50
Thos Day	204	100	5 00
Miss A Geo	247	10	50
Geo F Russell	240	40	2 00
J S Fillom	272	100	5 00
A F Hinchman	285	50	2 50
A Farrar	360	20	1 00
G Burgess	316	20	1 00
G Burgess	317	30	1 50
A Sinderman	319	50	2 50
A Sinderman	320	25	1 25
A Sinderman	459	25	1 25
A W Stration	350	100	5 00
A W Stratton	351	100	5 00
J M Blood	357	15	75
G W Fairchild	385	5	25
J De Groff	365	10	50
G W Morgan	368	100	5 00
Benj Cox	375	10	50
J B Reinhart	884	25	1 25
G M Smith	414	25	1 25
Geo Walcom	443	35	1 75

And in accordance with law and an order of the Board of Trustees, made on the 24th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. B. WINEGAR, Secretary.

Office, 322 Front street, San Francisco. 13

POSTPONEN.—The above sale is postponed until Saturday, the 15th day of October, 1864, at the same hour and place. By order of the Board of Trustees.

14 A. B. WINEGAR, Secretary.

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, estate, not iss'd		22 2-3	54 60
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fido, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	03 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 76 77		80	40 00
Payne, S S	9	5	2 50
Richardson, S	10 20	20	10 00
Tanner, O	8	2	1 00
Whitlon, M S	bal	7¼	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	0 00
Wheeler, W J	not issued	50	25 00
Dyson, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. 14

Mammoth Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 24th day of September, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin, to the Secretary, or to E. B. CURTIS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco. 14-4t

New Era Copper Mining Company, Tuolumne County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 23d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
H Bigelow	7 8 9	60	$30 00
H Burgess	26 27 28	75	56 25
C H Resrick	131	38	19 00
W J Conolly	64	5	2 50
T S Myrick	56	75	37 50
D T Brown	68	150	37 50
N S Palmer	79	19	9 50
R Norton	82 83	17	8 50
P F Butler	87	3	1 50
T E Taylor	89	75	19 00
S W Carmichill	95	10	5 00
A B Case	96	75	37 50
C B Miles	104	17	8 50
A Harkness	106 110	25	12 50
Geo H Burgess	109 111 112	55	32 50
Y J Higgins	114	20	10 00
Jos Clement	13 15 76	75	75 00
D Norcross		05	150 00

And in accordance with law, and an order of the Board of Trustees, made on the 23d day of August, 1861, so many shares of each parcel of said stock as may be necessary, will be sold at the Auction Room of Messrs. Cobb & Sinton, No. 406 Montgomery St., San Francisco, on Monday the 10th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. B. TOWLE, Secretary.

Office, southwest corner Washington and Stockton streets, San Francisco. 13

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of September, 1864, an assessment (8) of 50 cents per share was levied upon the Capital Stock of said company, payable on the 10th day of September, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 8th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 26th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 14-4t

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, the 15th day of October, 1864, and the sale thereof until Wednesday, the 2d day of November, 1864. By order of the Board of Trustees. [14] GEO. H. PECK. Secretary.

Providence Gold and Silver Mining Company, Works at Nevada County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 16th day of September, 1864, an assessment of one ($1) dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at his office, No. 8 and 10 Government House, Corner of Washington and Sansome Streets, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the Twenty-Second day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, November 5th, 1864, at 12 o'clock M. to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

12 J. M. BUFFINGTON, Secretary.

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kauil	3	33 1-3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Purrinton	11	16 2 3	50
R C Jacobs	32, 137	39 1-3	119
J J Corrigan	153	31	93
J F Borlund	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Phillips	54, 55, 66 66	07, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1-2	10
Gilbert Palache	90, 100, 145	29 2-3	80
Mrs Anna Leland	73	2 1-3	7
P Van It	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	06
John Todd	105, 144	8 2-3	25
E G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	0
O F Tibbetts	130	8 1 3	25
S C Peck	128	4 1 6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-0	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	157	3	9
A H Hagadorn	168	8 1-3	25
Wm A Suhlett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1861, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1861, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Rose Lladn Mining and Manufacturing Com pany, Mokelumne Mining District, Alpine co., California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 30th day of August, 1864, (of 60 cents per share) the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J D Bristol	19	25	$15 00
F E Cannon	18	20	12 00
Mrs L O Hodgekins	not issued	50	30 00
Benj F Fish	13 14 15-ea 10	30	18 00
Benj F Fish	16	20	12 00
F H Farrington	not issued	50	30 00
Jos Shepard	not issued	50	30 00
J W Crosley	25	50	30 00
Daniel Gorham	55 56-ea 25	50	30 00
W D Beardsley	not issued	25	15 00
M Cohen 20 21	22 23 24-ea 10	50	30 00
P S Fogg	not issued	50	30 00
A Kolman	49 50-ea 10	20	12 00
A Koltuan	51	5	3 00
Geo Palmer	52	5	3 00
J H Fish 8 9	10 11 12-ea 10	50	30 00
C C Culvert	not issued	25	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Doro & Co., No. 327 Montgomery Street, on Monday, the 10th day of October, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale

HENRY HALE, Secretary.

Office, No. 523 Clay street, San Francisco. Sept. 30, 1864. 14-3

POSTPONEMENT.—By order of the Board of Trustees, the above sale is postponed until Thursday, October 20th, 1864, when said delinquent stock will be sold to pay assessments and costs, as above, at the salesroom of Maurice Doro & Co., No. 327 Montgomery street, at 12 o'clock M.

HENRY HALE, Secretary

San Francisco, Oct. 8, 1864. 15

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T F Potter, Jr	104 105 103-ea 10	30	$15 00
T F Potter, Jr	106	5	2 50
M D Plummer	108	50	25 00
M D Plummer	108	16	8 00
L M Plummer	109	5	2 50
C M Williams	141	10	5 00
F T Eison	153	10	5 00
Geo Eisen	154	10	5 00
T L Bibbins	172	25	12 50
John Hill	242	25	12 50
J K S Latham	178	10	5 00
Arnold Lindan	182	19	5 00
A Topping	183	10	5 00
R D Chandler	201	5	2 50
W B Bourn	191	53	26 50
W B Bourn	192	37	18 50
E W Linsley	216	10	5 00
H B Forrester	203	15	7 50
Thomas Cooke	205	10	5 00
John Harding	207	20	10 00
William Fleming	217	50	25 00
William Fleming	238	4	2 00
Geo S Ingersoll	219	10	5 00
O Cbnuvin	220	10	5 00
W B Gleason	224	2	1 00
C Richter	225	2	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of August, 1861, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, California, on the 15th day of October 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco, Cal. [14-2t

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately in United States Coin, to the Secretary in San Francisco, or JOHN FRICKER, Superintendent, in Mariposa.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 7th day of November, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 305 Battery street, and corner of California street, San Francisco. 14-4t

"Refugio," U. S. Grant, Lucrecia Borgia, and La Mejicana Copper, Gold and Silver Mining Companies. Location—Clayton Mining District, Contra Costa County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 8th day of September, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said companies, payable on the 8th day of September, 1864, in United States gold and silver coin, to the Secretary, at the offices of the Companies, No. 708 Montgomery street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 12th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 31st day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. R. MAURICE, Secretary.

Office, No. 708 Montgomery street, San Francisco. [11-4t

St. Paul Gold and Silver Mining Company, Amador District, Lander County N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 11-4

Scott Mining and Exploring Company, Humboldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 28th day of September, 1864, an assessment of 83⅓ cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company.

Any stock upon which said assessment shall remain unpaid on the 8th day of November 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 23d day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. 14-4

Simpson & Roselle Mining Company—Mines Located in Carson Valley Mining District

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1861, an Assessment of 30 cents per share was levied upon the Capital Stock of said Company, payable on the 26th day of September, 1864, in United States gold coin, to the Secretary, at his office, or to Dr. J. W. WATERS, at Markleeville, Alpine County, California.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [13-4t

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1861, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to JOHN MOFFET, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODOE, Secretary.

Office No. 405 Front street, San Francisco, Cal. September 20th, 1864. 13-4t

Salinas Gold and Silver Mining Company, Salinas, Monterey County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of September, 1864, an Assessment of twenty (20) cents per share was levied upon the Capital Stock of said Company, payable on the 12th day of September, 1864, in United States gold and silver coin to the Secretary at his office.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of October, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. S. JOSSELYN, Secretary.

Office, Room No. 27 Government House, corner Sansome and Washington streets, San Francisco. 12-4t

Table Mountain Copper Mining Company, Stanislaus District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment (No. 6) of one dollar and sixty-five cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to J. M. PIKE, Superintendent, Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale.

Ordered that a deduction of Fifteen Cents per share be allowed on all payments made before September 29th, 1864 By order of the Board of Trustees.

M. G. ELMORE, Secretary

Office, No. 521 Clay street.

San Francisco, September 19th, 1864. 13-4t

Tallulah Mining Company, Sierra District, Humboldt County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 6th day of June, 1864, an assessment of $15 per share was levied upon the Capital Stock of said Company, payable immediately then, in United States gold coin, to the Secretary, at the office of the Company, No. 623 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 1st day of Nov. 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. A. HILL, Secretary,

Office, No. 623 Montgomery Street, San Francisco, Cal. 12

United States Mining Company, Virginia District, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of September, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, or to J. B. COFFEY, Virginia, Nevada Territory

Any stock upon which said Assessment shall remain unpaid on Monday the 31st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday the 16th day of November, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10 Government House, corner of Sansome and Washington sts., San Francisco, Cal. [14

New This Week.

Evoca Consolidated Copper Mining Company, Court Hill, or Evoca District, near Black's Ferry, Del Norte County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 5th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W F Williamson	14	112	$28 00
W F Williamson	25	112	28 00
F Collier	21	112	28 00
William H Bernard	136	56	14 00
R J Vanderwater	67	12	3 00
R J Vanderwater	68	50	12 50
R J Vanderwater	69	50	12 50
George F Parker	104	112	28 00
Charles E Abbott	216	207	51 75
William Hamoll	177	50	12 50
George Treat	196	50	12 50
J J Robbins	209	152	38 00

And in accordance with law, and an order of the Board of Trustees made on the 5th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 537 Washington Street, San Francisco, Cal., on Monday the 24th day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHARLES E. ABBOT, Secretary.

Office, 537 Washington street, San Francisco, California. 15-3t

Jesus Maria Tradlng and Mining Company, Sonora, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 30th day of July, 1863, and on the 17th day of Augnst, 1863, October 12th, 1863, December 17 and February 23, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
James Baldwin	10	25	$31 25
Jose Inclnas	2	25	68 75
Francisco Terminali	3	25	68 75
John S Brander	82	125	18 75
Alex T Dupiguac	1	25	68 75
R R Stain	11	25	25 00
G A Altman	12	25	31 25
John D Hogan	50 to 55	57	9 69
William Barry	11 to 15	250	31 25
Henry Smith	78 to 81	250	31 25
Michael Keelaher	19	25	31 25
Wm Hewer	18	25	31 25

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No 35 Metropolitan Block, on the 9th day of November, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the salo.

F. D. GALLAOHER, Secretary,

15-4 Office, Room Third Floor, 35 Metropolitan Block.

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Towusbip No. 8, Calaveras County, California.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of Forty Cents per share was levied upon the Capital Stock of said Company, payable immediately, to the Secretary, at the office of the company, No. 540 Clay Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 8th day of November, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Monday the 28th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.

Office, No. 540 Clay street, San Francisco. 15-4

Keokuk Gold, Silver and Copper Mining Company. Location, Clayton Mining District, Contra Costa County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of ten cents per share was levied upon the Capital Stock of said Company, payable on the 8th day of October, 1864, in United States gold coin to the Secretary at his office, or to J. W. CASSIDY at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 5th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

15-4t Office, No. 322 Front Street, San Francisco.

Lancaster Gold and Silver Mining Company, Location, Como, Lyon County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied of fifty cents per share, on the 11th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No Shares.	Amount.
R Kirk	1	36	$18 00
R S Dumont	31 to 34	40	20 00
O Percival	19 to 23	80	40 00
R Brown	82	40	20 00
E P McKrea	66	40	20 00
Wm Curry & D Jones	26	40	20 00
J Armitage	8	40	20 00
B Watkins	135	20	10 00
S Blasdell	117 to 119	6	3 00
M Robinson	59 to 61	3	1 50
Thos Drumm	67	7	3 50
M Prendeville	80	1	50
F Hall	98	2	1 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 25th day of October, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, No. 302, corner Montgomery & Pine streets. [15

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 411 Clay street, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, No. 411 Clay street, San Francisco. 15-4

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 22d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	Total.	Amount.
Burdsall, J M, 233 of 500 shs 574 of 200 shs, 371 of 100 shs, 575 of 50 shs, 583 of 24 shs, 192 of 15 shs—total 889 shares		$111 12
Brennan, James, no 400 of 200 shares		25 00
Brennan, James, no 591 of 300 shares—bal due		11 82
Cosgrove, P C, no 133 136 of 5 ea—10 shares		1 25
Cerf, Estelle, no 131 of 25 shs, 286 of 3 shs—28 shs		3 50
Church, J H no 124 of 10 shs, no 336 of 1 share—total 11 shares		1 37
Curle, J F, no 104 of 20 shs, no 337 of 3 shs—total 23 shares		2 87
Carr, Mrs A L, nos 211 212 571 of 5 shs ea, no 310 of 1 share—total 16 shares		2 00
Coffin, Geo F, no 472 of 5 shares		2 50
Donaolly, Thos, no 507—35 shares		4 37
Everett, A P, no 377—10 shares		1 25
Wm Hazeltine, nos 38 159 160 of 10 shs ea, 151 163 164 158 324 of 5 shs ea, 225 of 8 shs, 329 of 34 shs—total 102 shs		12 75
Himrod, O W, nos 60 61 62 63 64 of 10 shs ea, 237 of 7 shs—total 57 shares		7 12
Hoyt, Elijah, no 213 214 of 5 shs ea, no 309 of 1 share—total 11 shares		1 37
Hyde, R E, no 370 of 100 shs, no 390 of 41 shs —total 141 shares		17 62
Hardinge, Emma, no 321 of 25 shares		3 12
Kirby, R C, no 460 of 25 shs, 494 of 20 shares—total 45 shares		5 62
Kelton, S B, no 492 of 10 shs, 498 of 17 shares—total 27 shares		3 37
Langdon, Dr S, 173 174 175 176 of 20 shs ea, 222 of 50 shs, 342 of 11 shs—total 141 shs		17 62
Mansfield, J W, no 327, 10 shares		1 25
McMillan, Jr R, nos 373 of 10 shs, 287 of 15 shs, 284 of 140 shs, 491 of 25 shs—total 290 shs		36 25
Mecks, Washington, no 581 of 10 shares		1 25
Page, Nath'l, nos 13 of 30 shs, 46 of 200 shs, 67 of 100 shs, 329 of 45 shs—total 375 shares		46 87
Pinch, J F, nos 520 538 of 50 ea—total 100 shs		12 50
Rosekrans, H, nos 271 of 10, 454 of 50 shares		7 50
Rider, Wm M, no 502, 10 shares		1 25
Reis, J C, no 552, 10 shares		1 25
Stewart, J M, 21 of 50, 269 of 7 shares		7 12
Smith, Capt Jas S, 395 of 19, 409 of 10 shares		3 62
Slocum, W N, no 490 of 52 shares		6 50
Steen, Jos, no 579 of 25 shares		3 12
Teufeut, Thos, no 593 of 57 shares		7 12
Thomas, Capt R T, 296 of 14 shares		1 75
Wiaship, Edward, 330 of 6, 525 of 25, 533 of 50 shs—total 81 shares		10 12
Winter, Gabriel, 440 of 30 shs, 441 of 33 shs		7 87
Wilson, Elizabeth M, 473 of 20 shares		2 50
Watkins, C E, no 572 of 13 shares		1 62
Waldron, Mrs A, no 587 of 15 shs		1 87

And in accordance with law and an order of the Board of Trustees, made on the 22d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Cobb & Sinton, 406 Montgomery street, San Francisco, on Monday, October 10th, 1864, at one o'clock, P. M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale, unless previously paid.

J. A. RAWSON, Secretary.

Office, No. 338 Montgomery street.

September, 30th 1864. 14-2t

POSTPONEMENT.—The above sale is hereby postponed until Thursday, the 20th day of October, 1864, at the same place and hour. By order of the Board of Trustees.

15 4 J. A. RAWSON, Secretary.

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan of tub or box constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw-propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. F. Stech, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,

At the Novelty Iron Works, Nos. 37 & 39 Fremont street. 15-1m

Notice of Dividend.—Office Crescent Quartz Mining Company, Indian Valley, Plumas County, California, Sept. 20, 1864.

At a meeting of the Board of Trustees of the Crescent Quartz Mining Company, held this day, a Dividend of Fifty Dollars per share was duly declared, payable October 1st, 1864, at the office of I. OLAZIER & BROTHER, 311 Clay street, San Francisco, or at the office of the company, Indian Valley, Plumas county, California.

14w2 d-1 W. A. BOLINGER, Secretary.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be witheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the Inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. Though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be able to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially reversing the principle in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of six months, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and Inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of governments that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing and presenting cases to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons adduced by the Examiners for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the model shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for full examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication; the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, mezzo or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, these remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos	$10
On every application for a design, for seven years	15
On every application for a design, for fourteen years	30
On every caveat	10
On every application for a patent	15
On issuing each original patent	20
On filing a disclaimer	10
On every application for a re-issue	30
On every additional patent granted on a re-issue	30
On every application for an extension	50
On the grant of every extension	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C.	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if n user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

A MAGNIFICENT

LITHOGRAPHIC VIEW

OF THE

Mechanics' Fair Pavilion.

PUBLISHED AND SOLD BY

DEWEY & CO.,

GEORGE H. BAKER, Artist.

At the office of the "Mechanics' Fair Daily Press," entrance nave of the Pavilion, and at the office of the Mining and Scientific Press, corner of Washington & Sansome streets.

☞ *READ WHAT OTHERS SAY OF IT.* ☜

MECHANICS' FAIR PAVILION.—We have received from Dewey & Co., Patent Agents and publishers of the SCIENTIFIC PRESS, Government House, corner of Washington and Sansome streets, a finely executed lithographic view of the Mechanics' Industrial Fair Pavilion, on Union Square. The picture is mathematically correct in proportion, and will be valuable hereafter as a souvenir of the greatest industrial exhibition ever held in our city.—"Daily Alta."

We are indebted to the publishers of the MINING AND SCIENTIFIC PRESS for a copy of a very excellent engraving they have issued of the Fair building and the Fair grounds.—CALIFORNIAN.

LITHOGRAPHED.—The Mechanics' Fair building has been pictured in good style, by George H. Baker. We acknowledge the receipt of a copy. DEWEY & Co. are the publishers.—CALL.

VIEW OF THE MECHANICS' INSTITUTE PAVILION.—Messrs. Dewey & Co. have published a lithographic view of this building. Size, 12 by 19 inches. The workmanship does credit to Geo. H. Baker, the Lithographer. The dimensions of the Pavilion are 375 feet in length, breadth 220 feet; dome 108 feet high and 100 feet diameter, the area being 55,000 square feet. P. J. O'Connor Esq., is the Architect. We hope the sheet will prove highly remunerative.—ARGUS.

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it wicked.)—*Red Bluff Independent.*

AND SCIENTIFIC

Mining Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, OCTOBER 15, 1864. | VOLUME IX. Number 16.

HANSCOM'S CRUSHER.

We herewith give two representations of Hascom's Rock Crusher. No. 1 represents a perspective view of the machine as it appears all ready for running. No 2 represents a sectional view of the same showing all its parts, which we will now endeavor to describe.

A is a moveable jaw; B is a die for the same; C is a fixed die; D D are two friction rollers, against which the moveable jaw works; E E are the supports for the rollers; F F are two wedges for adjusting the opening between the dies; G G is the frame of the machine; H is a toggle, by means of which and links not shown, the jaws are moved up and down; I is the shaft on which the toggle sits, and which is supported by links, not shown; K is a rod with a rubber spring for keeping the moveable jaw firm against the rollers.

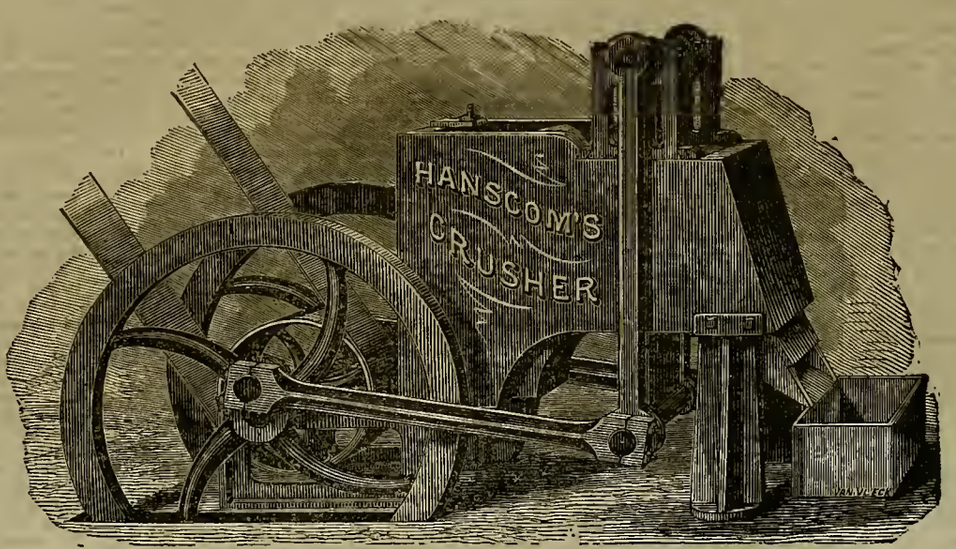

Fig. 1.

This machine is designed for breaking stone for macadamizing or for concrete; it can, in a few minutes be adjusted to crush rock fine enough for gravel or, if desired, even to dust, which renders it applicable to the reduction of quartz to such a degree of fineness as will allow of its being taken direct from this crusher to any of the grinding pans now in use. It is especially adapted to crushing copper ore, which it will readily bring to the proper size for concentration, without the intervention of stamps, which unavoidably produce much waste.

These machines are made of five sizes, from that which will take in a stone 2½ inches thick by 8 in length, to a size which will admit one of 7 by 18 inches; and reduce the same to any required size, from a diameter of two inches to fine dust. They are now in operation for making concrete, and giving the fullest satisfaction both in quantity and quality of work done. One of them is in daily operation at the Mechanics' Pavilion, where its work is the admiration of all beholders who are acquainted with this description of machinery. They are simple in construction, and not liable to get out of order, and the parts most subjected to wear are merely rough castings of iron, which can be easily replaced when they become non-effective from wear. Small sizes are made, weighing only 800 pounds, which will pulverize from two to three tons of quartz, every twenty-four hours, sufficiently fine for the arastra or grinding pan. This latter size is especially valuable for prospectors, or for taking into places difficult of access by wheels; for it can be taken to pieces so that the heaviest portion will not weigh over 250 pounds, in which condition it can be readily packed to any part of the mountains. A fine opportunity for examining the construction and working power of these machines is afforded, at the present time, at the Pavilion.

Another important advantage connected with this machine is the peculiarity of the motion which, to be understood, must be witnessed, with the sectional illustration given herewith to explain the peculiar construction of the jaws. It will be noticed, on close examination,

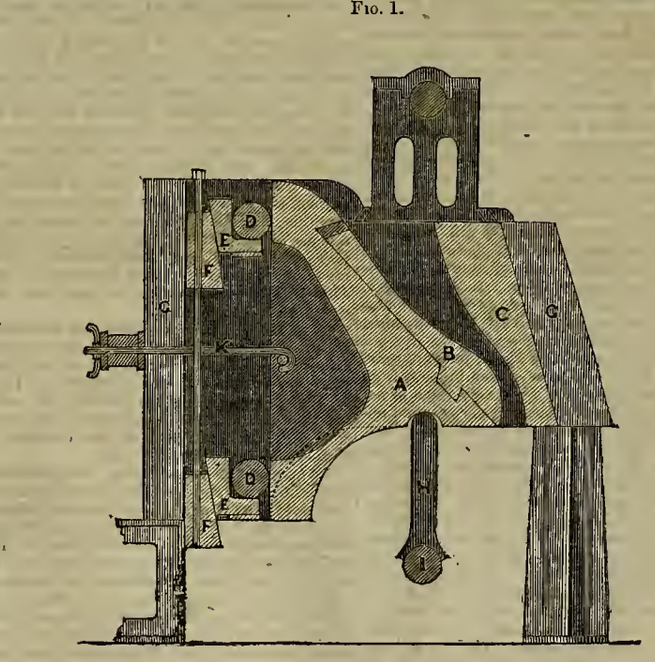

Fig. 2.

that in addition to the crushing power obtained, there is also an important trituration or grinding going on near the sudden curve in the lower portion of the jaws.

Any further information may be obtained by addressing Mr. W. W. Hanscom, Golden State Foundry, Nos. 19, 21 & 23 First street, San Francisco.

As you stand by your bride when you are married, so stand by her ever afterwards.

Roasting Ores.

It is generally admitted among miners that rich ores should be roasted as a part of the process of beneficiating. Why this is done, and what chemical changes are effected, we believe is not generally understood. The first lessons received by American miners in extracting the precious metals, were in the gold mines of California, and as such mining is the most simple of all, although that metal is the most royal, the knowledge gained availed naught when the science and skill for silver extraction were required. The essential difference between a gold and silver-bearing lode is, that the first metal is in a great measure mechanically associated with the vein rock, while silver is chemically combined with the lode carrying it. Such a difference exists between the rocks of California and Nevada. In the mines of Colorado Territory, we believe the gold is chemically combined with its matrix, as is the silver of Nevada. To work the gold rock of California it was only necessary to crush it as fine as the smallest particles of gold it contained, and give it an opportunity to settle in water and quicksilver. The process was so simple that it led to many quite disastrous errors in the working of silver ores. Since failures were made, much experimenting and study has been done, and now we believe that the silver ores of Nevada are worked as successfully as in any part of the world. One of chief features of working ores is the roasting. Silver is usually a combination of silicia, sulphur, arsenic, antimony, lead, copper, iron, etc. The ore is crushed to a very fine powder, and it is then mixed with from ten to fifteen per centum of common salt, which is also a chemical combination of chlorine and soda, and is then given over to roasting. This is concluded in a reverberatory furnace, which consists principally of a fireplace, hearth dome. The fireplace and hearth are on the same level, and upon the latter, about eight or ten feet square, is spread the charge of from six to seven hundred pounds. The hearth is separated from the fireplace by a partition called the bridge, rising to near the dome; the latter is an arch, covering all the others, and reflects, or reverberates the heat upon the ore on the hearth. The operation of roasting requires close attention and experience. The heat is first raised to oxidize the sulphides, and then increased to produce a reaction between the sulphurets [sulphates] thus formed and the chloride of sodium, producing chlorides of the various metals. In this operation the chloride of sodium, or salt, is decomposed by the sulphuric acids of the sulphates, and the chlorine set free, combining with the metals, while the soda of the salt combines with the sulphates [sulphuric acid] making sulphate of soda. When the operation of roasting is finished, which is done in five or six hours, the ore is removed, cooled, and taken to the amalgamating tubs.

The metallic chlorides are soluble in a strong, hot brine, and, consequently, the metals all soon become liquid. This matter, or pulp, is agitated for several hours by passing copper plates through it, and as the chlorine in the silver possesses a strong affinity for copper, it leaves the silver and joins the copper, allowing the silver to fall like fine snow upon the mercury placed at the bottom of the tub for its reception and retention, while the copper, dissolved by the chlorine, washes away with the other matter contained in the tub.

The operation is a beautiful one, almost purely chemical, the mechanical part, such as crushing and stirring, being only to assist the other. In Germany, where many of the conditions are different, iron, instead of copper, is used in precipitating, which precipitates all the base metals, and, for this country, seriously damaging the bullion.

Many have made the mistake that the native chlorine of silver, as found in our mines, is the same as that artificially produced, and that it may be worked as if roasted. This is a serious mistake. A body of pure native chlorine

is seldom found; it is generally more or less mixed with sulphur, and, although often worked successfully by means of chemical re-agents, such ores would undoubtedly pay much better if first reduced to a pure chloride. There are processes for amalgamating roasted ores that are said to be very successful, but the one used, of revolving copper plates, is generally adopted in this Territory.—*Reese River Reveille.*

The writer of the above article appears to be under the impression that the native chloride of silver, as found in the Reese River mines, could not be worked without previous roasting. For reasons which will be explained there is no doubt that the natural chlorides do not work well in tubs, such as are used at Reese River; but they will work very close to assay, within a few per cent, by an amalgamating pan. It is a well known fact, established by those working the Patio process, that natural chloride of silver does not dissolve as well in a salt brine as that formed in an artificial manner. This will be seen by consulting the papers on the Patio process, written by James Napier, and re-published in the Mining and Scientific Press of March, 1863. As the success of the process described in the article given above depends upon the solution of chloride of silver in a salt brine, the same difficulty will be experienced in dissolving the chloride of silver as in the Patio process. The pan, however, adding a *mechanical* to a chemical action, will not only decompose the chloride, by the influence of friction and iron, but it will also re-act upon the sulphide of silver and facilitate the amalgamation. We do not wish to be understood, however, to favor pan amalgamation for silver ores containing no gold.

A proper application of Augustin's process, where roasting has to be resorted to, will, no doubt, give a more economical result than any other process. The process described above could be simplified, and the machinery be done away with, without furnishing a poorer result. The writer of the above article believes, with many others, that the ores on this coast are worked as satisfactorily as they are abroad From the best information, however, which we can obtain, we are inclined to believe that the treatment or process for silver ores containing above a certain amount of arsenic, antimony and galena, is still a desideratum.

In explaining the re-actions which take place in a roasting furnace, in a chlorating roasting, the writer of the article in question speaks of "sulphurets" formed in roasting, meaning, no doubt, "sulphates." Again, the soda formed by a decomposition of salt does not combine with "sulphates," but with "sulphuric acid," formed by a contact of sulphurous acid with heated substances.

New Diggings.—By parties direct from Cañon City, in the John Day mines the Portland *Oregonian* is informed that new diggings have been struck on Rocky creek, a stream about eighty miles from Cañon City, on the Dalles road. Persons who were on their route to this valley were well pleased with the prospects they had obtained, and concluded to remain there. It was thought by some, however, that the hostility of the Indian tribes would not allow them to remain there long.

How Zinc should be Applied for Roofing.—A report of a committee appointed by the Central Society of Architects in Paris, recommends that zinc, which was at first rejected, but is now so generally used, should be applied with great care, as certain precautions, very simple, but never to be overlooked, are indispensable. Thus contact with plaster, which contains destructive salt, is to be avoided; also, contact with iron, which is very injurious, and liable to cause a rapid oxidation. Eave-gutters should always be supported by galvanized brackets, and no gutter or sheet zinc should be laid on oak boards.

Dr. Hazen, a chemist of Troy, has invented an improvement in the use of coal which it is said will diminish the consumption nearly, or quite, one-half. This will be the invention of the era, if realized. Several stove manufacturers have purchased the right, and are about introducing it into their business. The Central and other railroad companies are also about introducing it on their roads.

The lastest fashion in Washington, says one of the local papers, of asking a party to drink, is: "Please nominate your poison, gentlemen."

On Crucibles and Fire-Proof Material.

BY J. H. CHURCHILL, A. M.

The subject is of great importance to the owner of glassworks—the manufacturer of steel—the assayer of gold—the worker in brass, shareholders in gasworks, proprietors of veins of quartz, or of dry river bottoms, of lime kilns, of clay beds, of magnesia quarries, are all interested. Salt even contributes to the general result.

As one instance: A recent report to the Emperor of France estimates the difference of cost for fire-proof materials in making steel at thirty francs per ton between that country and England. Another, the cost of working up a quarter of a ton of platinum for the Russian government, was reduced five hundred fold by a process growing out of the work of M. Deville, by the use of lime cupels and gaseous fuel. My connection with the subject is this: In contriving some experiments on a subject cognate with that chemist's work on the alkaline metals, I had occasion, two years ago, to examine carefully the principles on which his results were founded. I have since followed many of them back into the hands of metallurgists who believed in alchemy. The best working authorities are, perhaps, Schlutter, Kirwan, Chaptal, Berthier, Haseufratz and Deville.

The materials used in making crucibles are, chemically speaking, silica, magnesia, alumina, lime, graphite. They occur in nature, and geologists know them, chiefly in combination, and deteriorated, as granites, gneiss, clay, slates, marl, quartz, plumbago, gas carbon.

Singly or in binary combinations they are very infusible—in ternary combinations with each other, or in presence of other matter, it is often otherwise.

Steatites, composed chiefly of silicate of magnesia, are more or less fusible in proportion to the quantity of alumina they contain. Lime, however, is not very refractory in contact with silica. A principle of general application, in the employment of fluxes, enables it to be made very useful. Calcareous sandstones are protected in iron furnaces by lime in the flux; excess of litharge preserves lime cupels from the action of glass of lead. Chemical affinity determines combination both within the crucible and with the materials of it, as in ordinary solutions with acids, yet bodies do not bear to one another the same affinities at different heats; thus, sodium is reduced by iron at a white heat, reduces oxide of iron at a red heat; is reduced by carbonic oxyd at a cherry-red heat, and reduces it at a dull red—the last fact we owe to Deville. The fusible monosilicate of iron penetrates clays at a moderate heat; while with more silex, at a white heat, and as used in quantity not exceeding eight per cent., it combines chemically with silicate of alumina forming a double salt, and in Potter's language, "a glaze." This is what occurs in the Staffordshire bricks, which, with one exception, the vitrified bricks of Wales, are, perhaps, those made at the highest heat, and are the least permeable; they are bluish in color.

The material of chief interest in brick is alumina, an element of epicene gender. It is now a base in clay, and again plays the part of acid in aluminate of lime. The first of these is nearly as old as the hills, and almost as varied in its properties; the last is a modern fabrication, and pretty definite, it will resist any heat short of that of fusion of platinum.

Alumina combines with silica in other proportions than those of clay. Stourbridge clay, which has at least the most refractory reputation will yield at a lower heat than alumina, with half an equivalent less of silex. Such a material was analyzed by Thomson many years ago, and it was said to have been brought from Chester, in Delaware. Clays vary much in nature, being soft and plastic in decomposed felspars, gritty in kaolin, hard in marl and slates these are fire-proof in proportion to the excess alumina. They vary in contraction, by drying, from one to fifteen per cent. The temperature for burning varies from ten degrees wedgwood in London bricks, to one hundred and twenty for Welsh bricks. Stourbridge and Staffordshire bricks are burnt at eighty-five and ninety-five degrees respectively. Prideaux speaks of crucibles almost entirely made of silex as very successful; great pressure was used in their manufacture. Gas carbon is recommended to be turned into shape. The fluxes to be used by the metallurgist, the alkalies of the glassworker, the opposite processes of reduction and scorification, the formation of chlorides at high temperatures, and the manufacture of cyanides, have such special action in each case that must be resisted, that, with variable materials, it is a tolerably obvious conclusion that they should have special applications. Fire-bricks and crucibles have a property belonging to them very available in this matter. I have mentioned the glazing properties of iron with silica in Staffordshire bricks; porcelain crucibles are glazed external; further, as we plaster our houses to suit the eye, we may line our crucibles and fire-bricks to suit our work—the crucibles may be thin—too thin or too fusible to support themselves at the highest temperatures—a lining may be then made to help them; gas carbon and lime have been thus applied by Deville—a lining may be made to absorb part of the flux or oxide, or will assist the purification of the melted metal; bone-dust and sand have long been thus used in cupeling the precious metals; lime is now thus used in preparing the most refractory—it may be difficult to cause a small percentage of metal to collect in one mass, the polished paste of aluminate of lime offers no impediment; charcoal permits an easy collection of the separate globules, and it also preserves the contents from the action of oxygen and of the carbonic acid generated by the fire; lutes applied externally, are also used for the latter purpose. In analysis, a platinum crucible, on the outside of one of porcelain, has been used to effect a better distribution of heat.

The permeability of crucibles varies much. The report quoted states that French steel manufacturers seldom use theirs for more than three pourings, on account of the increased porousness; with a charge which will yield 30 kilogrammes at the first pouring, they obtain only 27 at the second, and 24 at the third. Even density throughout is partly due to thorough vitrification, but is partly produced by mechanical means in the preparation of the clay. The "ring" which tells the thrifty housekeeper that there is no crack, tells the potter of uniform firing. The mechanical part of the result is obtained by reducing the materials to the same degree of fineness by grinding, puggiag and sifting. When this is not attended to, the uneven expansion in heating produces warping, and even partial cracking. This process is often carried so far that the clay can be suspended in water. At one factory on the Thames, a few years since, it was pumped and then floated on for a quarter of a mile. The finest stock bricks were made from this clay at a price of 25s. sterling per 1,000. Floating clay is, however, only common in making porcelain; in this condition iron is separated from it with magnets.

Fire proof pottery consists of pulverized material—burnt clay, plumbago, sand, or aluminate of lime, bound together by a plastic clay. The last, alone, contracts both on drying and in firing—the contraction commences afresh when it is exposed to a higher heat; hence the importance of selecting the burnt clay from such as has been fired at as high a temperature as the crucible is intended to stand, and of using as large a proportion of it as possible to avoid warping and cracking in the kiln. Thorough drying is of the utmost importance, to avoid hollows produced by escaping vapors. The application of great pressure in moulding has enabled some manufacturers successfully to reduce the amount of the plastic unburnt clay. A most refractory brick has been made in this way containing ninety-five per cent. silicious matter. Deville prepares aluminate of lime by fritting together chalk and alumina. The cost of the last he estimates at about $3 per cwt. Gas carbon the same chemist purifies by treating it at a high heat with chlorine. Besides the use of aluminate of lime to mix with alumina to form the body of refractory ware, he also applies it as a lining. He makes a paste of four parts calcined alumina, and one part of aluminate of lime, well powdered and sifted, he quickly lays this on inside a clay crucible, spreads with a piece of ware, and compresses it firmly till perfectly polished, dries it and heats it to redness; this varnish protected the silica of the clay crucible from the alumina and fluor on which he had to operate.

Other successful improvements in brickmaking are drying by the heat from a cooling kiln, grinding marls, and rolling in lieu of pugging; these are applicable to the manufacture. That of most promise in use will probably be melting with gas, applied directly to the metal inside, with or without fuel on the outside. I am interested in perfecting this.

The paper was accompanied by specimens of crucibles of various makes, of one of curved outline to avoid any angle or change of thickness near the bottom, designed by the writer, and constructed for him at Greenpoint, N. Y., and also by diagrams of Deville's apparatus for cupelling with gas. Specimens of alumina, and of clay calcined, to show the change of color in proportion to the iron present; and of bricks acted on by silicate of iron, were also shown, as also both amorphous and crystallized quartz penetrated by iron at the heat of a coke fire, without blast.

A formidable mosquito raid occurred in Newark, New Jersey, recently, to the dismay of the inhabitants. The raiders penetrated chambers, stores, and country houses, and in many stores they were so numerous that the proprietors closed them, as customers were deterred, by the singing noise, from entering.

Bullion from Reese River.—Wells, Fargo & Co. shipped from Reese River, during the month of September, bullion, to the amount of $54,504 in value.

Combination of Coal Miners.—A gentleman who has just returned from an extended tour through Illinois, Ohio and Pennsylvania, says the miners throughout the whole of the vast coal regions are combined and organized under the style and title of "The American Miners' Association." The leader and prime mover of the whole is a lawyer of more than ordinary ability, whose eloquence fits him for moving, by his appeals to their passions, large masses of the neighboring population. This lawyer is editor of the organ of the Miners' Association, *The Weekly Miner*, published in Belleville, Illinois. The Miners' Association will hold its annual convention in Cincinnati on the 7th of September, each lodge throughout the mining regions sending delegates in proportion to the number of its members. There will be present in that convention from five to six hundred delegates. What will be the result I know not. It is a combination of workingmen of vaster proportions than ever before attained, with acknowledged ability at its head.—*Pittsburgh Chronicle, August 30th.*

Soldiers' Vote.—The Supreme Court, that is a majority of the members of that body, has affirmed its decision that the law allowing the soldiers to vote is unconstitutional. It will be recollected that under the law of 1863 California soldiers voted for State and county officers. In Tuolumne county the Union candidates for county officers were elected with the soldiers' vote; without it they were defeated. The vote was contested, and the Supreme Court, full bench concurring, declared it unconstitutional. A motion was made and granted for a rehearing. After argument on rehearing the Court reaffirmed its first decision—Chief Justice Sanderson and Justice Curry dissenting. The decision was given on Monday.

During the great European wars that followed the French revolution, and especially during the Napoleonic period, and for several years subsequent to Napoleon's overthrow at Waterloo, the finances of England were in a deplorable state. The Bank of England suspended specie payments for a period exceeding twenty years; and the merchants and people of Great Britain saw worse times than we have ever dreamed of in this country. Should there be another great European war, as many statesmen think there soon will be, in which England will be compelled to take a part, that Government will reap a terrible reward for the unfriendly course it has pursued toward this country.

The Late Belfast Riots.—The recent terrible riots in Belfast, Ireland, were, as usual, caused by the Orangemen. A grand demonstration was made by the Irish people on the occasion of laying the foundation stone of the O'Connell monument in Dublin; and the Orange lovers of English usurpation and haters of their country got up what they were pleased to call a "counter demonstration." They beat and murdered innocent people, and wrecked houses in a most miscellaneous manner. During the riots the streets of Belfast were filled with English troops and constabulary, but whether for the purpose of restoring order or participating in the "demonstration" does not appear quite clear, as the disturbances lasted several days. Quite a number of the populace were killed.

An exchange furnishes the following plan by which underground operations can be ascertained on any near approach: "Drive an iron gun-rod into the ground, near where it is supposed a mine is being made, until it is firm in the ground. Take it then between the teeth and close the lips tight around the rod, then close both ears with the fore-fingers and listen. You can hear a great distance underground in this way."

Bullion from Gold Hill.—The *News* says: Wells, Fargo & Co. have shipped from their office in this town, within ninety days, up to October 1st, in bullion, the sang little sum of *three hundred and sixty-five thousand five hundred and ninety dollars.* This, however, was not the only product of our Gold Hill mines, there being a large amount of bullion assayed and shipped from Virginia. The Gold Hill mines have never been more productive than they are now.

To Remove Pain.—Dr. Hall says, neuralgia of severest character is sometimes removed by painting the parts two or three times a day with a mixture composed of half an ounce of the tincture of iodine and half a drachm of the sulphate of morphine. One of the most powerful liniments for the relief of severe pain is made of equal quantities of spirits of hartshorn, sweet oil and chloroform; dip into this a piece of cotton cloth doubled, about the size of a silver dollar, lay it on the spot, hold a handkerchief over the spot, so as to confine the fumes, and the pain immediately ceases. Do not let it remain on over a minute. Shake it well just before using, and keep the bottle very closely stopped.

PROGRESS OF THE GEOLOGICAL SURVEY OF CALIFORNIA.

Professor Whitney, who is now in New York, superintending the publication of the first volume of the Geological Report of California, has communicated to the *American Journal of Science*, for September, an interesting statement of the progress of the survey, one or two items of which we noticed in our issue of the 1st inst. After briefly noticing the recent financial action of the State with regard to the object of his labors, he proceeds to say that the first volume to be issued will comprise the first instalment of the Paleontology of the State, and will be illustrated by thirty-two plates on steel and stone, which are now in the hands of the engravers, while the accompanying text is already passing through the press. The contents of this volume were given in our issue of the 1st instant.

The second volume will go to press immediately after the appearance of the first, and will be devoted to the general geology of California. It will be issued in the early part of 1865. In the third volume it is proposed, though not definitely determined, to commence with the zoological history of the State.

The pages before us proceed to give a sketch of some of the principal results of the survey, up to the present time, in the following order:

TOPOGRAPHY.

The progress of the work in this department has been frequently alluded to in the columns of the PRESS. A very interesting notice of what has been done during the past season, in the High Sierra near the head waters of Kern river, was given in our last issue. Some additional facts under this head, taken from the sketch before us, are given below in the Professor's own language:—

One of the most interesting facts observed here, for the first time in the Sierra, was the proof everywhere surrounding us of the former existence of glaciers, on an immense scale of magnitude. All the phenomena of former glacier action are exhibited to the greatest advantage in the upper Tuolumne valley, through which once flowed a mass of ice nearly 1000 feet in thickness. Thousands of acres of granite retain the most exquisite glacial polish, and the existence of lateral, medial, and terminal moraines is as easily observed as in the Alps at the present day.

These traces of extinct glacier action were afterward discovered by us in many other places to the north of this, through to Mt. Shasta. * * * * * * * * * * *

It is uncertain, as yet, how aad in what form our topographical work will he laid before the public, except that the publication of the maps of the vicinity of the Bay of San Francisco and of the Monte Diablo region has been determined on, and they will be soon placed in the engravers' haads. It is believed, however, that such arrangements will be made as shall ensure the publication of a map of the entire State, greatly improved on anything which has yet appeared, and as large as can be conveniently used for a wall-map—say, on a scale of twelve miles to the inch. A map of the central portion of the State, on a scale of about six miles to the inch, embracing the principal mining regions, and covering the area occupied by at least four-fifths of the population of the State, will also probably form a part of the materials prepared for publication by the Survey.

PHYSICAL GEOGRAPHY.

Observations in this department have been steadily carried on during the progress of the Survey, and one of the volumes of the report will be devoted to this department of our work. Allusion may be made here to the very important investigations which have been carried on in California, for some years past, by Major R. S. Williamson, U. S. Engineers, on the laws governing the fluctuations of the barometer on the Pacific Coast. These investigations, for which small amounts have been appropriated by the Topographical Bureau, and which have been prosecuted by Major Williamson with the greatest zeal, will, when their results are published, be of material aid to the Geological Survey, and we shall be able to use them in the final working up of our own very numerous hypsometrical observations. The data collected in the course of these investigations have been employed by Major Williamson in working up the observations taken by the U. S. and California Boundary Commission in 1861, in and near Death's Valley, enabling him to fully confirm and give a scientific basis to the idea previously vaguely entertained, that this remarkable valley, which is 180 miles from the Pacific and which may be compared to that of the Dead Sea of Palestine, is indeed considerably depressed below the level of the ocean.

GEOLOGY.

Up to the present time, and including this season of field-work, we may be said to have been chiefly engaged in making a general geological reconnoissance of the State, and we have travelled very extensively over it, in all directions. But considerable areas remain, for various reasons, yet unexplored. The northwestern counties have remained inaccessible on account of Indian troubles; and portions of the southeastern for the same reason—with the additional one, that the drought has seriously interfered, for the last two years, with operations in that quarter.

In addition to work carried on within the boundaries of California, we have considerably extended the area of our field of labor by observations made in the adjacent territories, and not considered, or paid for, by the State as part of the regular work of the Survey. * * * Mr. Rémond has been for some time in Sonora, Mexico, and has made interesting discoveries, which will enable us to prove the continuance of the geological formations of California far to the south, and which connect with our line of observation, so as to form a chain—broken at many points, it is true—of about 2000 miles in length. * * * * * *

On the whole, it may be said that the labors of the past three, and of the coming four years, can hardly fail to furnish us with the means of giving a tolerable approximation to a geological map of the Pacific coast of our continent, and one, it may be added, which will have little resemblance to those which have heretofore been published. For anything like a detailed knowledge of the whole of this vast, mountainous, and extremely difficult region, we shall have to wait many years.

In alluding to a few of the results of the Geological Survey in this department, it will be necessary to be extremely brief; for, even if this were a suitable place for it, details would hardly be intelligible without maps and sections.

Perhaps the most striking result of the Survey is the proof we have obtained of the immense development, on the Pacific side of our continent, of rocks equivalent in age to the Upper Trias of the Alps, and paleontologically closely allied to the limestone of Hallstadt and Aussee, and the St. Cassian beds, that extremely important and highly fossiliferous division of the Alpiae Trias.

This great Triassic belt of the Pacific coast has been most fully explored by the Survey in the latitude of 40°, and over a width east and west of nearly four degrees of longitude (117° to 121°). It is from this region that the largest portion of the fossils have been obtained, both from the three parallel ranges in long. 117 to 118°, called the Humboldt ranges, and from localities in Plumas county, California. But sufficient paleontological evidence has been obtained to enable us to state that this formation extends from Mexico to British Columbia, occupying a vast area, although much broken up, interrupted, and covered by volcanic and eruptive rocks, and usually highly metamorphosed.

Among the specimens from Humboldt and Plumas counties, Mr. Gabb recognizes at least four species as identical with European, while the whole facies of the collection is most strikingly like that of the Hallstadt beds—the same intermixture of the orthoceratites, ceratites, goniatites, nautili and ammonites, the latter frequently of those peculiar globose forms occurring in the Alps, together with *Halobia, Monotis, Aviculа, Pecten*, &c., a *Monotis*, being the most widely diffused and the most abundant of all.

Accompanying this Triassic formation in the Sierra Nevada, and probably also in the Humboldt ranges, is an extensive development of Jurassic rocks, usually highly metamorphosed and extremely barren of fossils. Enough, however, have been found to justify the assertion that the sedimentary portion of the great metalliferous belt of the Pacific coast of North America is chiefly made up of rocks of Jurassic and Triassic age, with a comparatively small development of carboniferous limestone, and that these two formations are so folded together, broken up, and metamorphosed in the great chain of the Sierra Nevada, that it will be an immense labor, if indeed possible at all, to unravel its detailed structure. While we are fully justified in saying that a *large portion of the auriferous rocks of California consist of metamorphic Triassic and Jurassic strata*, we have not a particle of evidence to uphold the theory that has been so often maintained, that all, or even a portion, of the auriferous slates are older than the carboniferous; not a trace of a Devonian or Silurian fossil even, having been discovered in California, or indeed anywhere to the west of the 116th meridian. On the other hand, we are able to state, referring to the theory of the occurrence of gold being chiefly limited to Silurian rocks, that this metal occurs in no inconsiderable quantity in metamorphic rocks belonging as high up in the series as the cretaceous.

Allusion has already been made to the widespread occurrence in California of the cretaceous formation. The coast ranges of California and Oregon, indeed, are to a large extent made up of rocks of this age, usually more or less metamorphic in their condition, and frequently highly so; but still, on the whole, forming the richest fossiliferous formation of the State, having already yielded fossils at over thirty localities. * * *

Coal Oil vs. Coal for Fuel.

Much has recently been said with regard to the economy of the use of coal oil, instead of coal for fuel in generating steam. The following article upon this subject, which we find in the *American Gas Light Journal*, will doubtless be read with considerable interest by all who are interested in this discussion:

SIR: I desire to answer some observations made through the press generally, unfavorable to the employment of Petroleum or coal oils for the generation of steam, which observations were based upon the calculated effect of coal and petroleum.

In answer to which I would state, that the heating value of coal, in practice, cannot be rated from the resultent of a few particles in a chemical experiment; (as is admitted by all competent engineers.) It is for this reason that many things good in principle are not good in practice.

The heating value of 100 pounds of coal, average quality, specific gravity 1.279, is equivalent to raising 812,307 pounds of water 1., centigrade. The heating value of 100 pounds of Petroleum is equivalent to raising 1,231,600 pounds of water 1., centigrade, making the heating value of coal as compared with Petroleum as 1 is to 1.51. This is the calculated value of their component parts. But these comparative results cannot be carried out in practice, by reason of the necessarily imperfect method of burning coal.

It is true, great and successful improvements have been made in the combustion of solid fuels, from the time of its introduction; but coal cannot be perfectly consumed, unless first converted into gas, as explained hereafter. Some of the solid fuels may be perfectly consumed by the admixture of pure oxygen at the time of consuming. But inasmuch as the oxygen has to be obtained from air, in practice, and is therefore largely diluted with nitrogen, I shall speak of it hereafter in contradistinction to pure oxygen as air.

Air is equivalent to pure oxygen for the purpose of obtaining perfect combustion, only when the material to be consumed is in the shape of gas, and mixed with air in the proper proportion, prior to their union by combustion. The result of such a union with any of the hydrocarbons, would be the same as in pure oxygen, (i e., water and carbonic acid gas, exceptiag the nitrogen set free in the employment of air.)

The difference between consuming hydrocarbon fluids in the open air, as from a pan or plate, as compared with consuming the same from a vapor or gaseous state, (where it receives its admixture of air prior to consuming,) is as one for the former to three for the latter in the amount of heat evolved.

In the employment of bituminous coals for furnaces, there is about the same per centage of loss, save where the carbonic oxyd is made use of for generating steam.

There is, without doubt, an average loss of 50 per cent. of the effective heating qualities of bituminous coals, in the present mode of consuming the same, which, unfortunately, there is but limited help for; as the only perfect way of consuming the same, is to convert the coal into gas, which the coal is naturally adverse to, and requires the extra employment of fuel for the conversion of the same, aside from the difficulties of a cumbersome and expensive apparatus, which will always prevent that method being adopted.

This is the point where one of the great differences between the employment of oil and coal exhibits itself in favor of the oil.

The oil is readily converted into vapor or gas, which enables the proper admixture of air, (for the perfect combustion of oil,) prior to consuming the same.

Fuel is valuable in proportion to the amount of oxygen it will consume. Viewing it in this light, the most effective fuel is found in coal oil, i. e., that which is procured from coal by destructive distillation. The introduction of which oil was the cause of my making a series of experiments to discover the proper mode of burning the same, prior to the commercial discovery of the Well Oil (Petroleum.)

Within a few years, coal oil sold, and was delivered in Philadelphia, for 10 and 12 cents per gallon, in small quantities, at which time an amount to supply any demand could have been procured at the above and lower rates, as coal oil works at that time were in operation, and would have only been necessary to increase their works.

The introduction of Petroleum crowded out the coal oil, and left it without a market, by reason of the superior qualities of Petroleum, it being superior in every respect, except for heating purposes.

Many of the coal oil works that were not convenient for the re-distillation of Petroleum, were left to stand idle, or sold for the old iron which they contained.

Petroleum stands convicted of retarding the progress of the manufacture of coal oils, by giving a much better substitute (for lighting and lubricating purposes.) But there is a sphere for both—the one can furnish light, and the other heat.

The first will illuminate our path, the second will give us power,—both will give us mineral wealth equivalent to any other product.

The superior quality of Petroleum, combined with the tariff provided by Congress, together with tariff Congress did not have to provide for, i. e., the exchange, has caused the price of Petroleum to advance too far for the purpose of a fuel; whereas, coal oil could be sold at the same price now, or at a very little advance over what it did sell for when in full operation.

Improvements in the manufacture of oils would more than compensate for any extra cost at this day. All that is necessary is, for capitalists so see that there is about to be, and will be, a great market for this species of fuel, when capital will seek investments for the supplying of liquid fuel, the same as they now supply solid fuel. There are thousands of acres of cannel coal, and deposits of bitumen, not inconvenient to any seaport, when transported in the shape of oil. Material that furnishes this liquid hydrocarbon is being found throughout the world where commerce reaches. It can be supplied at any seaport with less inconvenience than coal.

The portable character of the oil will be the means of a large saving in point of handling, as compared with other fuels; as, for instance, a tank, situated on a wharf, for the purpose of loading vessels with fuel, would only require the simple appendage of a hose for leading the oil into a tank of water-tight compartment in the vessel, which could take its load of fuel as readily as a locomotive takes its supply of water along the road. The oil unloads itself from the tank, without the intervention of forty or fifty men for handling the same, as in coal; to say nothing of the delay to the steamer, and the accompanying dirt and dust.

It is supposed the oil is dangerous, as it is easily ignited; whereas, it is safer than coal, as the oil is conveyed in iron tanks, and cannot, therefore, be ignited until drawn therefrom, which operation is performed by a pump, and removes the oil in proper quantities from the tanks to the fire-box, where it is consumed and controlled at will.

In case of a collapse of a flue, or internal leak in the boiler, the liability of firing the vessel is very great, as the steam, in blowing through the furnace, carries the fire with it, setting the neighboring portions of wood on fire, and causing the men to leave their post.

The oil would be provided for as an emergency of this kind, as the supply could be immediately cut off, which would extinguish the fire in one minute; whereas, it is a matter of from one to two hours to extinguish a coal fire under a large furnace. As a fuel, the oil is superior to coal, in every respect, upon the ocean.

NEW AND INGENIOUS APPARATUS.—A most ingenious apparatus has been contrived for exhibiting the muscular mechanism of the human eye, and is called the "automatic eyeball." It was sent by the inventor, Professor Hasner, of Prague, to the Austrian Court of the International Exhibition at London, and at the close of the latter was presented to the Royal London Ophthalmic Hospital. The apparatus consists technically of a *left* eyeball, the movements of which are regulated by springs attached to keys, which are worked like the keys of a piano-forte. There is also a graduated dial attached, upon which, by means of indexes affixed to and moving with the strings, the extent of each muscular action is accurately marked. This simple contrivance thus exhibits at a glance the beautiful arrangement of the muscular structure of the eye, the knowledge of which could hitherto only be acquired by dissection or oral instruction. In short, the "automatic eyeball" performs for the exterior what the ophthalmoscope has already done for the interior of the eye.

MINERAL RESOURCES OF FRANCE.—From recent statistical returns of the mineral riches of France it appears that the number of coal mines worked is 490, and of iron mines 202. Of other substances there are 247 mines, comprising graphite, bitumen, rocksalt, antimony, manganese, lead, silver, copper, tin, and zinc, isolated or in combination. The concessions of coal mines extend over 5,236 square kilometres (each 247 acres), in 47 different departments. The mines of ironstone embrace an area of 1,243 square kilometres, and lie in 31 departments.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Oct. 15th, 1864.

Leading mining shares have obtained decided favor this week and materially advaneed; attributable for the most part to recent developments, and a returning confidence in the permaneney of a number of claims on the Comstock. It is now believed by some, that the disfavor in which these stocks were held a short time since, was not based upon intelligent or reasonable conclusions, and that their actual condition then, was much more promising than was generally supposed. Influential parties, it is said, were also enlisted to give an undue coloring to any unfavorable feature that might present itself and many stockholders and dealers have acted upon information received through these channels and now find that they were misled and have been induced to part with their stock at a ruinous sacrifice. On the other hand it is asserted by those who pretend to be best informed in the premises, that there were good and substantial reasons for the late panic, and that the present advance would not have been realized but for the favorable disclosures made withiu the past few weeks. We present these theories for what they are worth.

Orders have been received this past week from the East to buy some of the more prominent shares at current quotations, and it is evident that our stock market is again engaging the attention of New York parties and will doubtless be favorably influenced by purchases for their account.

The receipts of treasure from the mining districts, since the 1st inst., exceed $2,000,000 and the product of the entire coast for the first nine months of the current year, amounted to some $43,000,000, including about $11,500,000 from Nevada Territory. These figures show an increase of $3,000,000 as against a corresponding period of last year, notwithstanding the drought, which has so seriously affected the placer mining interests of this State.

The money market is growing easier and capitalists are more eager to loan upon the better class of mining stocks at 1½ per cent per month.

Gould & Curry has been dealt in to the extent of 72 feet, opening at $1340, reeeding to $1300, seller 30, then steadily advancing to $1850, declining to $1750, sellers option 30 days, and closing last evening at $1,675. The late rise is a subject of much eomment in stock eircles, and we regret our inability to state authoritatively upon what it is predieated. It is, however, believed to be owing to the discovery of a body of good ore in the lower portion of the miuo. A number of dealers are doubtless well posted but others complain that reliable information cauuot he obtained. It is stated that at a depth of 100 feet below the lower level, the engine shaft has disclosed a vein of fair milling ore ahout 15 feet wide, whieh continues to improve as work progresses. This deposit is near the line of the Savago company, and present indications are thought to be flattering.

Savage has been inaetive hut in much request and rose from $1,750 to $1,950, elosing at $1,850 bid and $1,925 asked. Developments in this mine have been of the most favorable charaeter lately, and the yield of hullion for the eurrent mouth may justify a further increase in dividends to the stoekholders. A shipment of first elass ore valued at $25,000 was made to England per last steamer.

Chollar is well maintained, and 19 feet have been sold at from $870 to $890. The south mine is said to look as well as it formerly did, and the drift on the eastern faee of the vein is to he eontinued until the end of the lode is reuehed. Receipts of bullion for the month of Oetober will, it is thought, nearly extinguish the indebtedness of the company, and enable the management to aeeumulate a fund for the dividend aeeouut.

Potosi fell from $790 to $760, rose to $800, and elosed at $825 asked. The argument in the suit of this eompauy *vs.* the Bajazet is now being made before the referee. Operations in the main shaft of this mine are progressing vigorously.

Yellow Jaeket is attracting more attention, and 32 feet were sold, advaneing from $650 to $780, and receding to $720 and $750. A vein of good pay ore has been developed, which is giving employment to a number of mills, and the prospects of the company are deemed hetter thau they have heen for some time past.

Ophir has been quite a feature of the market this week, and 140 feet have ehanged hands, advaneing from $350 to $365, reeeding to $350, then quickly rallying to $475@485, and selling yesterday morning at $480 and at the afternoon Board at $470. The eompany have lately taken some 1,500 tons of third-elass ore from the fourth, fifth and sixth stations in the south mine, and the new mill is to be employed at ouee in the reduction of the large amount of this quality now on hand, estimated at 5,000 tons. In the seventh gallery, some good oro has heen fouud.

Uncle Sam is in better favor, and some sales were made at $265@360, and $350 is now bid—$375 asked. Ten shares of Overman were sold at $135 and ten at $170@200.

Hale & Noreross advanced from $350 to $500, and is now held at $475. A large body of water still interferes with the progress of the different drifts from the lower levels.

Belcher was sold yesterday at $650, and for Crown Point $500 was hid. Best & Belcher is held at $200, and $125 is bid.

Imperial has heen aetive, and 184 shares were dealt in at $145 to $148, closing at $149. There is no abatement in the regular supply of hullion from the company's elaims.

Sheba is firmer, and has risen from $67½ to $75, with sales of 33 feet. The mill is constantly at work upon oro averaging some $150 per ton, but thus far not more thau six tons per day can be successfully treated.

Burning Moscow still maintains a prominent position in the market, and 1,647 shares have heen sold, opening at $45, advaneing to $57, buyer 30, declining to $49, again rising to $62, buyer 30—selling yesterday afternoou at $59.

Wide West rose from $26 to $30, and closes at about $28. 245 shares were sold within this range. Lady Bryan deelined from $7½ to $6, and 256 shares changed hands. Bullion rose yesterday from $62 to $80; Pride of the West sold at $6@5½; Green (G. H.) at $5@5½; and Blue Ledge at $2.

Nevada (J. G.) rose from $38 to $45, fell to $38 and elosed at $40. 113 shares were sold. Baltic was sold at $28@30. North Amerieau rose from $45 to $55; and 23½ shares of Midas were sold at $200 per foot.

Antelope changed hands at $19½@21; Real del Monte at $25@24½; Golden Age and Empire, $17@18; and De Soto at $18.

Buekeye fell from $13 to $8. Sixty tons of ore erushed at Brigg's mill yielded $51, aud 40 tons at the same mill produced $56.

The aggregate sales of stock, since Saturday last, amounts to $375,435.50.

Sales of Mining Shares.

By the San Francisco Stock and Exchange Board.

Saturday, October 8.

4 shs Gould & Curry at 1340 per foot, r w.
72 shs Ophir at 350 per foot.
12 shs Ophir at 365 per foot, r w.
48 shs Ophir at 360 per foot.
2 shs Potosi at 790 per foot.
4 shs Chollar at 870 per foot.
5 shs Yellow Jacket at 650 per foot, r w.
10 shs Pride of the West at 6 per sharo.
20 shs Pride of the West at 5½ per sharo.
24 shs Wide West at 26½ per share.
70 shs Wide West at 26¾ per share, r w.
25 shs Wide West at 27 per share, r w.
20 shs Antelope at 19½ per share.
20 shs Crockett Cons. at 1¼ per share.
1 sh North American at 50 per sharo.
35 shs Imperial at 145 per sharo.
20 shs Blue Ledge at 2 per sharo.
30 shs Burning Moscow at 45 per share.
10 shs Burning Moscow at 45 per share, s 15.
20 shs Josephine, Coso, at 7 per sharo.
10 shs Lady Bryan at 7¼ per share.
$15,000 Legal Tender Notes at 53 per cent, s 10.

AFTERNOON SESSION.

$ 2,500 Legal Tender Notes at 52 per cent, s 30.
$ 5,000 Legal Tender Notes at 52¼ per cent, s 5.
$ 5,000 Legal Tender Notes at 52 per cent, s 30.
4 shs Gould & Curry at 1325 per foot, s 30.
4 shs Gould & Curry at 1325 per foot, r w.
4 shs Gould & Curry at 1310 per foot, s 30.
8 shs Gould & Curry at 1320 per foot.
4 shs Gould & Curry at $1330 per foot.
12 shs Ophir at 355 per foot.
100 shs Green, G. H., at 5 per share.
50 shs Green, G. H. at 5 per share, r w.
40 shs Blue Ledge at 2 per sharo.
2 shs North American at 45 per sharo.
10 shs Nevada, J. G. at 38 per sharo.
7 shs Nevada, J. G., at 38 per share, r w.
10 shs Burning Moscow at 46 per sharo.
10 shs Burning Moscow at 48½ per share, b 30.
10 shs Wide West at 26 per share, 30 ds.
10 shs Wide West at 27 per share, 30 ds.
10 shs Wide West at 27 per share, r w.
10 shs Buckeye at 13 per sharo.
15 shs Buckeye at 13 per share, r w.
Amount of sales..... ....$46,551 00

Monday, October 11.

8 shs Gould & Curry at 1380 per foot, 30 ds.
4 shs Gould & Curry at 13.5 per foot, r w.
20 shs Gould & Curry at 1300 per foot, s 30.
4 shs Gould & Curry at 1320 per foot.
4 shs Gould & Curry at 1310 per foot.
4 shs Gould & Curry at 1300 per foot, s 30.
4 shs Gould & Curry at 1330 per foot, 40 ds.
4 shs Gould & Curry at 1320 per foot.
24 shs Ophir at 350 per foot.
36 shs Ophir at 355 per foot.
12 shs Ophir at 356 per foot.
40 shs Chollar at 875 per foot.
10 shs Burning Moscow at 43 per share.
10 shs Burning Moscow at 44 per share.
10 shs Burning Moscow at 45 per share.
10 shs Burning Moscow at 50 per share, h 30.
20 shs Burning Moscow at 46 per share.
10 shs Burning Moscow at 47 per sharo.
60 shs Burning Moscow at 48 per share.
30 shs Burning Moscow at 46½ per share, s 30.
30 shs Burning Moscow at 49 per share.
10 shs Burning Moscow at 50 per share, r w.
10 shs Burning Moscow at 50½ per share.
10 shs Burning Moscow at 53 per sharo.
30 shs Burning Moscow at 52 per share.
40 shs Burning Moscow at 48 per share, h 30.
10 shs Pride of the West at 5 per share.
5 shs Sheba at 67½ per foot.
5 shs Nevada, J. G. at 40 per sharo.
30 shs Lady Bryan at 7¼ per share.
40 shs Lady Bryan at 7½ per share, r w.
10 shs Wide West at 26¼ per share, b 3.
20 shares Green, O. H., at 5½ per share, 30 ds.

AFTERNOON SESSION.

132 shs Ophir at 350 per foot.
5 shs Yellow Jacket at 725 per foot.
2 shs Yellow Jacket at 710 per foot.
3 sh Yellow Jacket at 720 per foot.
8 shs Gould & Curry at 1330 per foot.
1 sh Savage at 1780 per foot.
2 shs Hale & Norcross at 350 per foot.
20 shs Chollar at 880 per foot.
11 shs Nevada J. G., at 42¼ per share, s 3.
5 shs Burning Moscow at 47½ per share.
20 shs Burning Moscow at 46½ per share, s 30.
10 shs Burning Moscow at 46 per share, s 30.
10 shs Burning Moscow at 52 per share, h 30.
10 shs Burning Moscow at 50 per share.
10 shs Burning Moscow at 51 per share, b 30.
10 shs Burning Moscow at 49 per share.
20 shs Burning Moscow at 49 per share, s 30.
50 shs Imperial at 146 per share.
5 shs Imperial at 147 per share.
10 shs Imperial at 146½ per share.
10 shs Imperial at 146 per share.
10 shs Imperial at 146 per share, r w.
20 shs Buckeye at 10½ per sharo.
10 shs Wide West at 26½ per share, r w.
5 shs North American at 350 per share.
10 shs Real del Monte at 25 per share.
Amount of sales.....$32,620 00

Tuesday, October 11.

2 shs Gould & Curry at $1400 per foot.
72 shs Ophir at 365 per foot.
1 sh Savage at 1800 per foot.
2 shs Potosi at 760 per foot.
5 shs De Soto at 19 per share.
43 shs Burning Moscow at 50 per share.
20 shs Burning Moscow at 52 per share.
110 shs Burning Moscow at 55 per share.
20 shs Burning Moscow at 52½ per share.
1 sh Burning Moscow at 55 per share, b 10.
40 shs Burning Moscow at 53 per share.
10 shs Burning Moscow at 54 per share, s 30.
10 shs Burning Moscow at 57½ per share, b 30.
10 shs Burning Moscow at 57 per share, b 30.
10 shs Burning Moscow at 53 per share, r w.
11 shs Antelope at 20 per share.
6 shs Lady Bryan at 7 per share.
10 shs Lady Bryan at 7¼ per sharo.
20 shs Lady Bryan at 7¾ per share, r w.
15 shs Bullion, G. H., at 62 per share.
10 shs Nevada J. G., at 45 per share.
25 shs Nevada, J. G., at 45 per share, s 3.
10 shs Nevada, J. G., at 42 per share.
10 shs Nevada, J. G. at 44 per sharo.
5 shs Nevada, J. G., at 45 per share.
10 shs Milton at 1 per share.
10 shs Wide West at 26¾ per share.
17 shs Imperial at 147 per share.
60 shs Buckeye at 10 per share.
50 shs Buckeye at 10¾ per sharo.

AFTERNOON SESSION.

4 shs Gould & Curry at 1550 per foot.
4 shs Gould & Curry at 1550 per foot.
12 shs Ophir at 355 per foot.
12 shs Ophir at 400 per foot.
36 shs Ophir at 410 per foot.
1 sh Uncle Sam at 260 per foot.
1 sh Uncle Sam at 265 per foot.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Askcd.	Amount. Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,990,950	Feb. Aug. April and Oct	U. S. Treasury	1864	
Legal Tender Notes	52	53					
California State Bonds, 7s, 1857	74	77	3,620,500			1867	
San Francisco Bonds, 10s, 1851		100	1,852,600	May and November	San Francisco	1871	
San Francisco Firo Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855			329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	61	63	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1802	75	80	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s		48	440,000				
Marysville Bonds, 10s	75	85					
Stockton City Bonds		—	220,000				
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	100,000		New York		
Butte County Bonds, 10s, 1860		60	200,000	January and July	Orovillo	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Askcd.	No. of Shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	72	75	2,500	$1,000		2 ₱ ct. ₱ month on capital stock	Dividend of 10 ₱ ct. paid Nov. 15.
State Telegraph Co	37	—	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	—	86	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	—	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	32	—	3,000	1,000	$425		Assmu't of $25 ₱ sh levied Sept. 1.
Virginia and Gold Hill Water Co		90	1,000	250	$7.50 ₱ share ₱ mouth		
Sacramento Valley Railroad Co		27	8,000	100	$100		
Omnibus Railroad Co	100	110	10,000	100	41 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ₱ cent.—$38		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co		108	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	109	115	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	100	5,000	10 ₱ cent	90 per cent. in demand notes;
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ mouth on capital stock	30th dividend paid;

5 shs North American at 55 per share.
10 shs Burning Moscow at 54½ per share.
20 shs Burning Moscow at 55 per share.
35 shs Burning Moscow at 54 per share.
40 shs Burning Moscow at 53½ per share.
15 shs Burning Moscow at 53 per share.
5 shs Burning Moscow at 53¾ per share.
2 shs Antelope at 20 per share.
10 shs Antelope at 21¾ per share.
21 shs Golden Age & Empire at 17 per share.
20 shs Golden Age & Empire at 17 per share, r w.
10 shs Golden Age & Empire at 18 per share, r w.
10 shs Lady Bryan at 7 per share.
10 shs Lady Bryan at 7¼ per share.
10 shs Real del Monte at 27½ per share, b 30.
30 shs Real del Monte at 25 per share.
10 shs De Soto at 17¾ per share.
10 shs Imperial at 147 per share.
1 sh South San Francisco Homestead at 375 per share.
Amount of sales.....$47,115 00

Wednesday, October 12.

4 shs Gould & Curry at 1660 per foot.
16 shs Gould & Curry at 1650 per foot.
4 shs Gould & Curry at 1675 per foot, b 10.
12 shs Ophir at 450 per foot.
12 shs Ophir at 455 per foot.
12 shs Ophir at 460 per foot.
12 shs Ophir at 1640 per foot.
60 shs Ophir at 475 per foot.
72 shs Ophir at 470 per foot.
8 shs Ophir at 470 per foot.
84 shs Ophir at 475 per foot.
12 shs Chollar at 790 per foot, s 10.
2 shs Hale & Norcross at 360 per foot.
5 shs Yellow Jacket at 750 per foot.
3 shs Yellow Jacket at 780 per foot, b 30.
1 sh Savage at 1900 per foot.
8 shs Sheba at 70 per foot.
10 shs De Soto at 18 per share.
4 shs Imperial at 146 per share.
10 shs Imperial at 147 per share.
10 shs Imperial at 148 per share.
10 shs Burning Moscow at 52 per share.
10 shs Burning Moscow at 51 per share.
1 sh Burning Moscow at 50 per share, r w.
5 shs Burning Moscow at 49 per share.
20 shs Burning Moscow at 49½ per share.
60 shs Burning Moscow at 54 per share, b 30.
20 shs Burning Moscow at 48 per share, s 30.
50 shs Burning Moscow at 50 per share.
10 shs Burning Moscow at 51 per share, Saturday.
20 shs Golden Age & Empire at 17 per share.
20 shs Nevada, J. G., at 40 per share.
1 sh South San Francisco Homestead at 370 per share.

AFTERNOON SESSION.

16 shs Gould & Curry at 1675 per foot.
4 shs Gould & Curry at 1660 per foot, s 30.
4 shs Gould & Curry at 1690 per foot.
4 shs Gould & Curry at 1700 per foot.
4 shs Gould & Curry at 1710 per foot.
48 shs Ophir at 465 per foot.
144 shs Ophir at 470 per foot.
12 shs Ophir at 475 per foot.
132 shs Ophir at 470 per foot.
12 shs Ophir at 460 per foot, s 30.
15 shs Sheba at 70 per foot.
2 shs Hale & Norcross at 420 per foot.
28 shs Josephine, Coso, at 7 per foot.
20 shs Wide West at 30 per share.
25 shs Bullion, G. H., at 60 per share.
10 shs Lady Bryan at 5½ per share.
10 shs Real del Monte at 24½ per share.
10 shs Overman at 135 per foot.
30 shs Burning Moscow at 51 per share.
10 shs Burning Moscow at 52 per share.
10 shs Imperial at 147½ per share.
20 shs Antelope at 21 per share.
Amount of sales.....$93,185 00

Thursday, October 13.

$10,000 Legal Tender Notes at 53¾ per cent.
48 shs Ophir at 470 per foot.
132 shs Ophir at 475 per foot.
12 shs Ophir at 475 per foot, s 30.
4 shs Gould & Curry at 1750 per foot.
12 shs Gould & Curry at 1750 per foot, s 30.
4 shs Gould & Curry at 1770 per foot.
4 shs Gould & Curry at 1780 per foot.
4 shs Gould & Curry at 1780 per foot, s 30.
1 sh Savage at 1950 per foot.
35 shs Sheba at 75 per foot.
10 shs Sheba at 75 per foot.
5 shs Burning Moscow at 55 per share.
20 shs Burning Moscow at 54¾ per share.
10 shs Burning Moscow at 54 per share, r w.
35 shs Burning Moscow at 54 per share.
10 shs Burning Moscow at 54 per share, Saturday.
20 shs Burning Moscow at 55 per share, b 10.
10 shs Burning Moscow at 55 per share, b 15.
20 shs Burning Moscow at 53½ per share.
20 shs Wide West at 30 per share.
5 shs Wide West at 29 per share.
10 shs Golden Age & Empire at 17 per share.
5 shs Nevada, J. G. at 42½ per share.
5 shs Bullion, G. H., at 60 per share, r w.
10 shs Lady Bryan at 5¾ per share.
10 shs Imperial at 148 per share.
10 shs Backeye at 9 per share.

AFTERNOON SESSION.

23½ shs Mldns, G. It., at 200 per foot.
12 shs Ophir at 475 per foot.
12 shs Ophir at 475 per foot, s 30.
24 shs Ophir at 480 per foot.
96 shs Ophir at 485 per foot.
4 shs Gould & Curry at 1850 per foot.
4 shs Gould & Curry at 1820 per foot.
4 shs Gould & Curry at 1815 per foot, r w.
4 shs Gould & Curry at 1800 per foot, r w.
12 shs Gould & Curry at 1750 per foot, s 30.
4 shs Potosi at 800 per foot.
5 shs Baltic at 22 per share.
10 shs Lady Bryan at 5¾ per share.
80 shs Lady Bryan at 6 per share.
10 shs Burning Moscow at 54 per share.
5 shs Burning Moscow at 54½ per share.
10 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 57 per share, b 10.
20 shs Burning Moscow at 56 per share.
5 shs Nevada, J. G., at 38 per share.
10 shs Antelope at 20 per share.
10 shs Bullion, G. H., at 60 per share.
5 shs Bullion, G. H., at 61 per share, r w.
Amount of sales.....$60,410 00

Friday, October 14.

5 shs Uncle Sam at 350 per foot.
36 shs Ophir at 460 per foot.
48 shs Ophir at 470 per foot
24 shs Ophir at 475 per foot.
5 shs Yellow Jacket at 725 per foot.
4 shs Yellow Jacket at 740 per foot.
8 shs Gould & Curry at 1650 per foot.
12 shs Gould & Curry at 1700 per foot.
12 shs Gould & Curry at 1630 per foot.
4 shs Gould & Curry at 1660 per foot.
16 shs Gould & Curry at 1645 per foot.
3 shs Belcher at 650 per foot.
4 shs Hale & Norcross at 500 per foot.
10 shs Imperial, 148 per share.
10 shs North Potosi at 8 per share.
4 shs Bullion, G. H., at 72½ per share.
10 shs Bullion, G. H., at 80 per share.
208 shs Burning Moscow at 60@58 per share.
10 shs Burning Moscow at 62½ per share, b 30.
20 shs Burning Moscow at 60 per share.
5 shs Burning Moscow at 60 per share, b 10.
10 shs Burning Moscow at 54 per share, b 30.
6 shs Wide West at 28 per share.
23 shs Baltic at 2"@24 per share.
62 shs Josephine, Coso, at 6¾ per share.
5 shs Real del Monte at 25 per share.
$900 Legal Tender Notes at 51½ per cent, s 30.

AFTERNOON SESSION.

120 shs Ophir at 460 per foot, s 10.
12 shs Ophir at 470 per foot.
30 shs Baltic at 25 per share.
10 shs Baltic at 28 per share.
10 shs Baltic at 30 per share.
3 shs Uncle Sam at 360 per share.
3 shs Uncle Sam at 350 per share.
5 shs Overman at 170 per foot.
65 shs Overman at 180 per share, b 30.
67 shs Buckeye at 8 per share.
30 shs Buckeye at 8½ per share.
21 shs Sheba at 70 per foot.
10 shs Justis at 40 per share.
15 shs Justis at 40 per share.
10 shs Burning Moscow at 55 per share, s 30.
2 shs Burning Moscow at 59 per share.
10 shs Burning Moscow at 57 per share.
8 shs Gould & Curry at 1660 per foot, s 30.
4 shs Gould & Curry at 1675 per foot.
15 shs Wide West at 23½ per share.
Amount of sales.....$45,600 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot	Total No. of Shares.	Inspectable Value.	Bid Per foot.	Asked Per foot.	Last Monthly dividend paid.	Recent Assessments Per foot	Total Assessment.
Baltimore American	2,000	1	2,000	$ 500 00	$ —	$ 30 00			
Baltic	1,800	1	1,800	200 00	30 00	31 00		Jan 18, $5; May 31, $5.	$15 75
Kajazetta and Golden Era	4,000	1	4,000	500 00	—	28 00		Jan 7, $10; July 23 $6.	35 00
Best & Belcher	224	4	896	500 00	125 00	200 00		July 10, $5; Aug. 3, $5.	28 25
Burning Moscow	4,100	1	4,100	500 00	57 00	60 00		May 17, $100; Sep 27, $30.	230 00
Burnsbie	2,800	1	2,800	500 00	—	5 00		Jan 19, $15, June 24 $5.	56 24
Belcher	1,040	3	3,120	1,000 00	625 00	650 00	$24	Feb 16, $2; Aug. 31, 50c.	9 50
Buckeye	3,000		2,800	100 00	8 00	9 00		June 4, $1.50, Aug 15, $2.	20 20
Bullion, G. H.	2,500	1	2,500	200 00	75 00	80 00		Sept 15, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—	—		July 12, $150 00	
Central	150	12	1,800	500 00	—	—		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00		May 25, $3; July 12, $1½	19 50
Crown Point	335	4	1,572	100 00	500 00	650 00		Oct 15, $25.	150 00
Chas. Caney	1,800	1	1,800	30 00	—	15 00		Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,400	4	5,600	800 00	850 00	900 00		Jan 25, $60; Apr 15, $50.	340 00
Raney	2,000	4	8,000	60 00	25 00	30 00		Jan 26, $12; Sept 15, $10.	58 00
Desert	2,200	1	2,200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,000	1	1,600	500 00	3 50	4 00		Jan 18, $3; Mar 10, $2.	24 00
Empire M. & M. Co.	75	16	1,200	833 00	1 00	3 00			
Gould & Curry	1,500	4	4,800	500 00	500 00	650 00	$30		
Gross Valley	4,200	1	4,200	500 00	1,675 00	1,700 00	$50		
Hale & Norcross	400	2	800	500 00	—	70 00		Dec 17, $3½; Mar 29, $10.	
Imperial	184	1	4,000	500 00	500 00	625 00		July 18, $50; Sept. 13, $50.	425 00
Iowa	1,200	1	1,200	1,000 00	148 00	149 00	$7.50	Dec 22, $12.50 per share.	270 00
Lady Bryan	5,000	1	5,000	100 00	—	12 00		Nov 18, $1; July 10, $6.	27 00
Lucerne	1,800	1	1,800	500 00	0 00	7 00		May 11, $3; July 19, $3.	18 25
Mount Hope, G. H.	2,000	1	2,000	500 00	—	—		Nov 27, $3; Feb 16, $5.	35 00
Michigan	1,500	1	1,500	100 00	12 00	18 00		Feb 19, $1; May 2, $1.	7 50
Nevada, J. G.	2,100	1	2,100	200 00	37 00	39 00		Nov 23, $10; Feb 18, $10.	
North Potosi	2,000	1	2,000	250 00	10 00	10 00		Apr 9, $20; July 26, $12.	32 00
North American	4,100	1	4,100	300 00	13 00	60 00		Jan 13, $12½; Aug 6, $12½	127 50
North Ophir	1,000	1	1,600	500 00	—	—		Mar 23, $20; Sept 2 $2.	
Norton	1,600	1	1,800	50 00	—	8 00		Nov 11, $1; Mar 25, $5.	
Ophir	1,400	12	16,800	300 00	470 00	475 00	$48	Oct 3, $2; Apr 1, $1	11 50
Overman	1,200	1	1,200	500 00	185 00	200 00			
Potosi	1,400	2	2,800	500 00	800 00	825 00		June 7, $30; July 7, $20.	
Porter	900	1	600	500 00	—	30 00		Dec 9, $50.	52 00
Pride of the West	1,400	1	1,400	100 00	5 00	6 00	$5	Jan 12, $5.	10 00
Savage	800	1	800	2,000 00	1,850 00	1,925 00	$50	Oct, Nov, Dec 10, $9.	9 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—			135 00
Sides	500	2	1,000	500 00	—	175 00		Feb 11, $4; Apr 21, $10.	
Sierra Nevada	3,000	1	3,000	500 00	20 00	25 00		Dec 21, $50; Mar 17, $25.	
Spanish No. 2	1,600	1	1,600	500 00	—	20 00		Mar 8, $5; May 16, $10.	06 00
Uncle Sam	1,200	1	1,200	200 00	350 00	375 00		Mar 26, $5; May 13, $5.	
Whitman	1,800	1	1,800	1,000 00	—	—		Nov 2, $50, Aug 25, $100.	103 00
White & Murphy	210	4	840	150 00	25 00	50 00		Mar 25, $10; Jun 18, $7½	27 50
Yellow Jacket	1,200	1	1,200	1,000 00	725 00	750 00		June 17, $30; Oct 6, $18.	275 00
								July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	10 00	20 00		Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	8 00	—			12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	15 00	17 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	25 00	27 00		March 8, $20.	44 50
Silver Hill	3,600	1	3,000	500 00	5 00	7 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	5 00		Jan 5, $3; Sept 20, $12½.	19 00
Wide West	2,600	1	2,600	500 00	28 00	29 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000		8,500	600 00	—	—		Jan 29, $1; May 11, $1.	
Josephine	9,500	2	4,800	250 00	7 00	8 00		Oct 19, $3; July 31, 50c.	12 00
San Carlos			2,600	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	4 00		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	15 00	20 00		July 23 2.50; Sept. 17, 2½	10 85
Shoba	1,800	2	3,800	500 00	70 00	75 00		Mar 10, $10; Aug 12, $20	62 35

REESE RIVER DISTRICT.

Amador	1,400				—	—		May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oregon	800	2	1,600	300 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	—	—		May 11, $10; June 25, $5.	16 00
Willow	2,800		1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 28, $1, Sept 5, $3,	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—		Feb 10, $30; Aug 23, $10.	150 00
Srade Guadelupe	3,000	1	3,000	1,000 00	—	—			9 00
San Marcal	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	200 00	—	—		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00		Jun 16, $1¼; Oct 5, $1¼	
Fellows	2,500	1	2,500	100 00	—	—			
Melones	3,000	1	3,000	50 00	—	18 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	—	80 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	—	25 00		June 18, $1; Aug 1, $1.	15 00

Fluctuations in Trading Mining Shares for the past Six Months.

Name of Company.	April 10th.	April 20th.	May 2d.	May 10th.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.
Goubl & Curry.....per ft.	$4,550	$4,490	$4,100	$3,850	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,403	$1,475	$1,250	$1,100	$1,300
Ophir	1,580	1,500	1,225	1,100	1,200	825	920	880	720	725	670	425	450	500	490	460	300	350
Savage	2,600	....	2,760	2,150	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400
Potosi	1,050	900	850	635	900	850	890	950	1,000	900	1,000	925	875	900	890	800	600	720
Chollar	515	400	500	600	630	500	575	515	375	425	300	300	325	475	550	650	660	600
Hale & Norcross	625	....	600	550	525	500	425	350	75	350	....	....	....	300	480	425	240	350
Shoba	115	110	115	110	100	90	90	80	75	70	50	40	25	20	80	95	75	70
Dancy	105	110	100	82	....	60	....	60	....	50	45	30	35	....	35	30	....	20
Wide West	22	25	25	25	22	20	15	12	10	8	7	20	17	18	20	31	27	35
Burning Moscow	100	103	95	80	55	52	45	40	25	15	13	12	15	18	18	20	19	27
Pride of the West	95	85	78	30	18	8	10	5	6	3	2	....	2	....	2	....	2	8
Bullion	73	70	68	80	70	68	65	70	65	50	50	40	30	....	....	40	40	55
Real del Monte	71	....	68	50	48	40	41	32	23	15	12	11	15	18	14	15	19	35
El Dorado	....	....	....	....	....	....	....	....	....	....	....	10	8	10	12	5	....	....
Overman	300	400	300	250	....	....	200	200	250	200	....	250	225	....	150	175	160	....
Sierra Nevada	75	....	65	60	55	....	....	....	....	20	15	16	15	....	10	22	20	....
Yellow Jacket	....	....	900	800	750	750	950	900	850	700	600	450	400	450	375	400	575	600
White & Murphy	450	450	400	....	....	....	....	....	....	....	300	....	....	....	....	....	....	....
Sides	500	450	250	....	....	....	....	....	....	....	200	....	....	175	....	....	....	....
Uncle Sam	1,000	950	800	700	700	....	....	610	....	400	350	250	190	210	200	200	....	200
Baltic	190	135	115	100	65	75	70	55	45	40	22	15	13	16	24	23	23	22
North American	130	185	165	150	110	122	120	90	65	62	54	30	....	25	25	25	30	25
Baltimore American	42	55	52	50	47	35	....	50	40	45	35	30	32	20	20	15	25	....
Melones	....	40	35	25	16	20	15	....	12	10	12	9	13	17	13	13	....	....
Antelope	150	....	160	....	117	....	125	130	100	65	70	50	....	....	14	12	20	15
Napoleon	80	....	....	80	75	70	80	75	70	65	60	45	....	50	50	....	....	....
Sacramento	50	52	53	50	50	50	45	....	....	....	20	....	....	....	....	....	....	....
Utah	21	23	28	29	....	....	28	26	20	18	15	18	15	....	....	....	5	....
Lady Bryan	57	50	42	39	35	23	32	25	25	10	4	5	4	5	5	7	5	9

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	5 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

FRANK LAWTON, Secretary.

J. B. E. CAVALLIER, President.

Mining Summary.

CALIFORNIA.

NEVADA.—The Nevada *Gazette* says that from present indications, instead of being "played out," the mines of wealth hidden in the hills of Nevada county are just beginning to be developed. Rich strikes are being made in old diggings, new ledges discovered, prospectors are out in every direction, and when the rains come we may confidently anticipate a return of the old-time prosperity.

Thirty-one tons of rock from the General Grant ledge, recently crushed at the French mill, cleaned up $28 per ton. Eighteen and a-half tons from another ledge on Little Deer creek yielded $37 per ton.

Sharp, Smith & Co. last week cleaned up from sixty tons of rock from the Union ledge, $6,600. They are confident their next crushing will yield at least $125 per ton.

Sigler, Gow & Co., of the Eureka ledge, on Little Deer creek, have cleaned up from their first crushing, the rock yielding at the rate of $35 per ton—sufficient to pay all the expenses and leave a dividend to the company. Their ledge is well defined, and promises to prove very rich.

Owing to the scarcity of water and the large amount of rock they have to crush, the proprietors of the French mill have found it necessary to put up a steam mill, and will hereafter run their works night and day.

The *Gazette* learns that a company of San Francisco and Nevada capitalists are about completing arrangements for running a tunnel from Little Deer creek to the center of the ridge. It will be several thousand feet in length, and will be driven so as not to interfere with the work on the ledges which it may cross.

ALPINE COUNTY.—The Manchester Company are preparing in good earnest to drive their works this winter to some purpose. A steam engine has been ordered from below, which will soon be on its way to assume a stationary position near the shaft.

The Winchester Company held their annual meeting on the 24th ult. The Trustees' report, presented at the meeting, shows that three assessments, amounting to 45 cents on each share, have been levied and collected, resulting in the aggregate of $2,250. Disbursements have been made as follows: Labor, $1,919.57; tools, powder and fuse, $209.65; lumber and coal, $34.78; paid secretary and for advertising, $70—leaving a balance of $15 in the treasury. Report ordered printed for the benefit of the stockholders—an example which should be followed by every incorporated company.

Five tons of rock are being hauled from the Morning Star claim to Wade & Schetter's mill, at Markleeville, for the purpose of being crushed. It will then be taken to the Brunswick works, near Empire City, for the purpose of having the mineral extracted therefrom. These works are just completed, and are constructed upon the English plan, of roasting and extracting silver and copper ores. So confident are the owners of the works as to the value of ore from this mine, that they assume the cost of hauling and working the rock themselves. The distance from the mine at Mogul to the works is forty miles.

We collate the above items from the Monitor *Gazette*.

SIERRA.—We learn from the *Mountain Messenger* that the old Blue Tunnel still shells out the precious ore. The Central Company are putting in machinery to hoist with one of Fredenburg's wheels. They have a propelling power of 220 feet pressure and more than sufficient for all purposes. Their tunnel is straight, and thoroughly timbered.

The New Orleans Tunnel, which has been in progress some six years, and running for the richest gravel range that has been tapped among the Sierras, is now near the desired point of more interesting operations. It is supposed to be low enough, and if the present contract does not strike gravel it is the intention to raise up to it with a shaft or scbute.

MINING IN AMADOR.—A correspondent of the Amador *Ledger*, writing from Pine Grove, says: Our mining interests are progressing satisfactorily. I understand that Reiching & Wendell, of the Tullock mine, have sold, or are about to sell, half their valuable lode for $15,000. The Anaconda sold an interest for $1,200, and Miller, Bradshaw & Moore sold their placer mine on Elsc creek for $2,100. These facts will give you a better idea of the value of our mines than anything I might say of them. A new quartz mill will probably soon be put up here; it is much needed. Dr. Paugh will have the Union completed within a few weeks, when prospectors will have a chance to test their rocks fairly.

SAN ANDREAS.—This old mining locality bids fair to realize something prosperous from its old claims, which were once among the richest in Calaveras county. The *Register* says: The citizens of this place have about completed arrangements to open and work some claims which have been partially worked in years past and paid very rich, but the labor on which was suspended on account of the water and the claims being so situated that they could not be drained without interfering with the rights of others. There are some half dozen claims located on a channel near the town, one above the other, and only one direction in which they can be drained. The lower one on the channel, known as the Dunning claim, has been worked out and paid rich. The one above it has been partially worked. The next one is owned by J. L. McFall, who has agreed to put a cut through the next claim and drain it for $800. This amount is already raised, and the work will soon commence on the claims. This claim which is about to be drained is known as the Marlette claim, and paid very rich until the water drove the miners out. This claim being opened, it is proposed to run a cut through to those above, and thus mining operations will be carried on in all the claims, giving employment to a number of miners and helping business generally. These claims are known to be very rich and will yield largely if they can be properly worked.

WASHOE.

A more cheerful feeling is evidently beginning to prevail in Nevada Territory with regard to mining operations. This feeling is, in fact, accompanied with active present improvements, and springs from the actual evidence which the mines are giving of their undoubted wealth and permanence. A few mills have stopped running, while others have increased their business. The mines on which operations have been discontinued are mostly of an unpromising and unproductive character, so that there has been but little, if any, falling off in the shipments of bullion. Important advantages have been secured during the past few months in improved machinery and manipulation, by which the ores have been more closely worked than formerly. Several mines have recently come upon richer ore, and in such quantities as it is believed will soon be materially felt in swelling the general aggregate of yield. Among these late strikes we may particularly note that in the Yellow Jacket, though the Crown Point, Imperial, Alpha and Milton are each worthy of mention. We append our usual summary:

THE Fairview, at a depth of 400 feet, says the *Union*, have run a drift 150 feet west, and penetrated the Comstock ledge to the extent of 80 feet. How much wider the ledge is at that point they have not yet ascertained, but the Milton Company adjoining it find it to be 190 feet in width. The Fairview Company, in the bottom of their drift, have just struck some very rich ore, and are now busy sinking their main shaft 100 feet deeper, when they intend drifting again to their ledge. The rich ore they have now struck lies in streaks and boulders in the main ledge, and shows conclusively that they have something pretty good below them. They are going after it.

NEW MILL.—The agent of a New York company, says the Dayton *Sentinel*, has made a contract with Mr. I. N. Taylor, of this county, to put up a fifteen-stamp mill with an engine of forty-horse power, on the claim of the Ætna Company, in Sullivan District. The necessary papers are now on their way to New York for the approval of a company there, who are to receive an interest in the mine for the erection of a mill. The Ætna is considered a valuable claim, having yielded at the rate of $33 per ton under the stamps, and being situated in the midst of plenty of wood and water can be worked to good advantage.

THE Confidence mine, on the Comstock ledge, is located at the upper part of Gold Hill, near the Divide. The motive power is a 20-horse power steam engine, of a very superior construction. At a distance of ninety feet from the main shaft, according to the *Union*, they have recently discovered a vein of very rich ore in the main lead, which they have penetrated to the extent of eight feet with a small drift, and how much thicker it is they do not know. An assay of a select piece of this ore, made on the 7th inst., went $462.44 in silver and $159.58 in gold; total $618.12 to the ton. An average assay of this ore went $361.12 to the ton. The class of ore which they have been working until the present rich strike, yields at the mills from $40 to $60 to the ton. As might be expected from such a yield, the finances of the Confidence Company are in a healthy state, they declaring a dividend last month of $100 per share. From their lower level, Burke & Co. are now running a side drift, to connect with their works from the Michigan shaft, for mutual benefit in the way of air.

THE Granite mill, located in the upper part of Cold Hill, is owned by Darst & Tructt. The mill structure is built of granite, and contains two batteries of eight stamps each, the motive power being a 40-horse Corliss engine. Coleman's "Little Giant" Amalgamator is used at this mill. Its performance is highly spoken of by the reporter of the *Union*, from which paper we gather these particulars.

THE Gold Hill *News* is informed by Mr. Oullahan, Superintendent of the Green Company, that on Thursday evening of last week he struck a new and unexpected ledge, with a westward pitch, from which he took some average rock, which he had assayed by H. Harris, of Gold Hill. The returns show, per ton of 2,000 pounds, $5.52 silver and $113.13 gold, making a total, per ton, of $118.65. From the old ledge, which is a silver ledge with an eastward pitch, an assay shows, to the ton, of silver $19.74 and of gold $6.28; total, $26.91. The above assay was taken for the purpose of satisfying the company with regard to the actual value of their ledge, and not to influence the market.

REESE RIVER.

The *Reveille* speaks quite cheeringly with reference to the mines about Austin. It asserts that more confidence is felt by persons interested in the mines of that region than at any previous time, and that that confidence is daily increasing. "Feet" that a few months since would not sell for assessments are now sought for eagerly. Work has also been resumed on many claims, some of which have been lying for a long time idle. Whims and windlasses are being put up, tracks laid, and the general work of development is being pushed forward with a vigor and energy never before displayed. The mills are all giving satisfaction, and are crowded with work. We quote from the *Reveille*:

The Farris mill has recently turned out a lot of bullion from the Whitlach ore that assayed the astonishing fineness of 998, lacking but two-thousandths of being absolutely pure silver. This was from sulphuret rock, was roasted and amalgamated in tubs by a new process adopted by Mr. Zottman, and first used now. The improvements at Farris' mill are now completed, and this was the first work in the new tubs. The amount worked was one and a quarter tons, and produced $831.33. We begin to believe our mills can do as good work as those of any other locality, and a little better; and that our mines do not need salting from those of Esmeralda nor of Washoe.

The Buel North Star is now, at a perpendicular depth of 100 feet, turning out a splendid variety of ore. We were shown by Mr. Kurtz, the Superintendent of the mine, a certificate of assay, and a sample of the rock assayed, that went as high as $2,274 per ton. The specimen is made up of black sulphuret of antimonial silver ore, with white quartz, making the whole a dark but glistening iron-gray. The lode of this is twelve inches in width, and is turning out large quantities.

The Shoshone Company have been taking out some very rich ore, and have probably had a large lot of it worked at the Oregon Mill, the past week.

The work on the new sixteen-stamp mill, in Telegraph Cañon, is progressing finely. Fifty men are employed in grading and doing the masonry work, and teamsters are hauling lumber, brick and stone. The machinery was daily expected.

The roasting furnaces, four in number, for the Oregon Mill, were to have been put in operation on the 5th inst. A new furnace for the purpose of drying ore, has just been built at this mill. It is arranged so that the flues of two of the roasting furnaces pass under it, furnishing sufficient heat to dry the ore. This makes it an economical arrangement, as the furnace heretofore used for this purpose consumed a cord of wood a day. The proprietors of this mill seem determined to have all the modern improvements, as they are continually getting something new.

The South American has an incline down 135 feet, and are now engaged in running a drift, from the bottom of the incline, in a westerly direction, from which they are taking some as rich rock, out of a fourteen-inch ledge, as has yet been discovered in the district. The drift is in fifty feet and the ledge constantly widening. The superintendent intends having ten tons of this rock worked at the Oregon Mill immediately. At the depth of one hundred and forty-five feet there is another drift run out eighty feet, obtaining from it some very rich ore. At a depth of fifty feet there is still another drift, run out twenty-five feet. Miners are at work night and day. It is the intention of the company to only have a sufficient quantity of ore worked to pay the expenses of working the mine, this winter; but they will keep a full force employed, so as to take out enough to supply two mills, if need be, as they expect to have it developed sufficiently for that, in the course of four months. Workmen are now engaged in erecting roasting furnaces at the Union Mill.

The Foster Ledge, which is down with an incline one hundred and twenty feet, are now putting up a whim, to be employed instead of hand power, as heretofore. The Hildreth mill has received the new castings and other apparatus necessary for a retort, and will have a new one built in a few days.

HUMBOLDT.

THE Humboldt *Register* of October 1st says that Professor Silliman was at that time examining the mines in that region, and so far as could be ascertained was favorably impressed with their appearance. Business of all kinds was improving, and a favorable season was anticipated during the coming winter.

THE Sheba mill is doing a good business working ore from the mine and making regular and satisfactory shipments of bullion to this city. The retort at the mill having been found too small, a larger one has been ordered.

THE Gipsy is a ledge recently discovered and located in Trinity district. It lies within one hundred yards of the now famous Evening Star ledge, and shows on the surface the same rich croppings which led to the fine body of ore now working in the Evening Star. The Gipsy crops out 18 inches wide, solid ore, and promises to prove a fine mine. There are 2100 feet in the claim, and the locators have commenced arrangements to get work commenced at once.

THE Moonlight shaft is being carried down and ore of the first quality extracted. A few tons of the ore was delivered at Fall, Price & Co.'s mill recently. If this claim was properly worked, it would be one of the best in the Territory. Few claims equal it in richness from the surface down to the bottom of the present shaft.

THE Mars Company has resumed work on their claim. They ceased work on it nearly one year ago, though at that time there was a good prospect that it would prove valuable. It is expected that this claim will once more resume its position as one of the best claims in the mountains. Heretofore it has been badly managed, and the stock has become almost worthless. Mr. Thompson, the Superintendent, is an energetic worker, and as he has determined to take hold of this claim in earnest, he has made arrangements with Full, Price & Co.'s mill to work the ore as fast as it is taken out.

ESMERALDA.

We find but little news of interest from this locality. The miners appear to be generally at work and apparently with satisfactory results. We clip the following Owens River items from the Esmeralda *Union*:—

RICH ROCK.—We are informed that Mr Wellington, proprietor of the Aurora and Carson Stage Line, has in his possession a silver brick taken from six pounds of ore from Montgomery district, which is valued at $36. We are inclined to believe that if the leads of Montgomery district contain much rock like that somebody is going to get rich.

SMELTING WORKS.—Mr. Frank Hutchinson, of this city, we are informed, has erected a smelting furnace at Montgomery, and is now taking silver out of the rich rock in which that mining district is said to abound.

RICH STRIKE.—Mr. D. Cohn informs us that on Saturday last the miners in the Forrestville Tunnel struck a lead. During Monday and Tuesday they worked four feet into the lead, and at last accounts they were not through it. The ore is very rich.

MISCELLANEOUS.

THE BOISE GOLD CROP.—The Dalles *Messenger*, of recent date, says that on inquiry of leading business men, it learns that the gold crop for the current year is full one-third greater than that of 1863. Some of the districts—Cañon City for instance—have doubled their yield, and all of them show a large increase. According to the published statistics, the yield of our mines for 1863 footed up $8,000,000. For 1864, we feel warranted in saying that the yield will be considerably over $12,000,000. With the introduction of mills, and improved facilities for mining, we have every reason to believe that another year will find our gold crop doubled.

THE KOOTENAI MINES.—The *Golden Age* says that Sherwood, of the Kootenai mines, brings no account of any very late discoveries since last report, except on the Columbia, where the miners are said to find fair pay. A merchant by the name of Cuddy, was robbed at Fisherville, a short time since, of $7,000. He was engaged in a "fisty-cuff" in the street when some one entered his store and stole the above amount in gold dust. Reynolds & Co. took out a nugget weighing thirty seven ounces and valued at $666. This is the largest piece that has yet been found in the Kootenai mines.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

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San Francisco:

Saturday Morning, Oct. 15, 1864.

WHAT WE EAT.

Within the past quarter of a century eating, practiced as an art from time immemorial, has assumed the dignity of a science. Chemistry now controls the kitchen, and what we eat and drink is noted for their effects on the human system, as the mixing of metals are in making proper alloys for the manufactory. The principles of chemistry applied to the food we eat, has disabused people's minds of many an old delusion. Arrowroot and sago are no longer considered among the first of nutritious substances; they have been weighed in the balance of science and found wanting. The study of chemico-culinary works has become so almost universal that every well educated housewife can descant on the qualities of oxygen, hydrogen, carbon and nitrogen, and their action on the human system; and it is a curious part in this connection that as this knowledge becomes more general and is practically applied, the general average of the duration of human life becomes lengthened, Actuaries of life insurance societies, who calculate, as a matter of business, the probabilities of human life, have made all the matters connected with its duration a matter of such close study, have brought so much science and observation to their aid that they can almost calculate to a year the length of time any man or woman will naturally live by a knowledge of the manner in which they eat and what food they partake. The chemistry of food goes farther than this. It proves incontestibly that man is made up of air! The scripture text which says that from dust he came and to dust he shall return, is not quite correct in fact, according to science. It is from air he comes, upon air he lives, and to air he must return—which is so easily demonstrable that we are surprised that everybody does not "see it." Man feeds on plants, directly or through the mediation of herbivorous animals; plants feed on carbonic acid gas; ammonia and water, which impregnate the atmosphere. On these plants, or the animal that feeds on them, man is fed; and when grim Death takes from him the divine spark of life, that which remains dissolves into carbonic acid gas, water and ammonia—and so the eternal course runs on. Why, if man returned to dust, and that dust remained as a fixed fact there would be strange unsightly piles of it in such old countries as Egypt, Asia and Phœnicia—countries that began to be populated when Adam himself was a mere youth. There has been dead enough buried in Damascus, calculating that the dust of each generation would add but an inch to the pile, to have buried that venerable old city "full fathoms deep," even since the original Father Abraham paid a visit to it, when it was quite a respectable township.

But this is not the part of the subject we had intended to refer to. We started out with the subject of the minerals we eat. According to absolute experiment, a full grown man of average proportions will weigh 154 pounds; of this all but 38 pounds is water—even in the greatest whisky guzzlers; of this 38 pounds at least 10 are composed of mineral matter—such as lime, quartz, iron, sulphur, phosphorus, soda, potash and magnesia. It is not true that lawyers or editors have any more brass in their composition than parsons or fiddlers, though there is a very marked difference in the quantity of iron some men's bodies contain as compared to others. A man of iron nerve is not so much a figure of speech as many suppose. We are all men of metal; but, as Shakspeare says, there are some of the "baser sort."

It will perhaps astonish some of the natives to learn that salt—common salt, a compound of chlorine and soda—forms the chief mineral in the human form divine; so that when the scriptures tell us that man is the salt of the earth, the expression is literally as well as figuratively correct. The man who prides himself on his "muscle" is but little aware how much that muscle depends on potash—a capital substance to make lye—not lies—don't misunderstand us. Nature never lies; that is a power left to man alone. There is iron enough in the blood of a healthy man to make a ring large enough to wear on his finger; sulphur enough in his hair, unless he be bald-headed or "runs with a machine" and has it all cut off, to make a box of lucifer matches; lime enough in his bones to help to build any amount of brick wall; flint enough to strike a light. Some men—particularly presidents of mining and railroad corporations—have an excess of flint in their composition—a considerable steal, too. We shall, in the next article on this subject, describe the processes by which man gathers these minerals from his food as the bee sips honey from the flowers.

GOLD IN CRYSTALS.—A crystal of quartz, of fair size was recently found in Castle Reef, Raspberry Creek, Australia, in which was a hollow containing a little lump of gold. The precious metal fills up its transparent nest, and protrudes a little beyond. The crystal is otherwise perfect, and a gem of its kind, albeit a finer specimen, judging from the above description, was some time since on exhibition in this city, having been taken out of a quartz ledge in this state. These two specimens, so far as our knowledge extends, are the only instances known of the occurrence of gold in quartz crystals. The crystals, in both cases, were undoubtedly formed subsequently to the gold, which became enveloped within the crystal during its process of crystallization.

AN ENGLISH RAILWAY ACCIDENT.—A locomotive engine recently exploded on the North London Railway, at the Camden road station. The train had just brought up on the middle of the Randolph street bridge, when the locomotive boiler exploded throwing the engine upwards and forward several feet high, breaking the telegraph wires which passed along overhead. The engine turned completely round and also described a summerset in its leap, and landed on a piece of open ground below the bridge—squarely upon its wheels! The fireman and driver were both badly but not fatally injured, the latter being thrown a distance of twenty yards. No passenger was injured.

KEROSENE EXPLOSION.—Some careless person placed an empty kerosene oil-can on a stove in Virginia City, the other day, for the purpose of cleansing it. Of course a large amount of gas was soon generated, and as the hole in the top was stopped up, a violent explosion occurred, producing quite a fright and attracting a large crowd.

TELEGRAPHIC COMMUNICATION WITH HUMBOLDT.—The California State Telegraph was completed to Star City, Humboldt, N. T., on Monday last, and the first dispatches between that city and San Francisco passed over the wires that day. Arrangements have been made with the local express company there by which messages for Boise, Idaho and intermediate points will be delivered in three days.

OHIO makes eight million two hundred and eighty thousand pounds of sugar per annum from sorghum.

OIL WELL SPECULATION IN PHILADELPHIA.

According to the Philadelphia *Mining Journal*, there are now afloat in the Philadelphia stock market, shares of stock issued by about 115 oil well companies and valued at $7,000,000. The total number of capital shares issued by all the railroad companies in Pennsylvania, that use locomotive power, does not exceed two and a half millions, being but little more than one-third the number of capital shares issued by the oil companies organized in Philadelphia alone. The 3,300 miles of locomotive railroad in use in Pennsylvania cost $200,000,000, and yet this vast property is represented by less than one-fourth the number of shares issued by the companies owning the oil wells in Pennsylvania.

It would appear from the above that a speculative mania, similar to that which has existed in this city for the past two years, is about to be inflicted on the Pennsylvania public.—Speculators who are interested in the original allotment of shares, and brokers whose commissions are imposed on the number of shares bought and sold, are the parties specially benefitted by this plan of company organization, because it is impossible to keep the credit of even a producing oil company on a stable basis, where the shares in the market have such a small proportion of actual value to the real worth of the property represented. Shares thus issued on speculation float about in the market like corks on the water, bobbing up and down with every ripple upon the surface. There, as well as here, it will not be until most of these companies have consolidated or contracted their shares that they will be held more generally for investment and less for speculation. The sooner our speculative companies begin to organize on a more reasonable basis, the sooner will capitalists begin to buy with the view of regular development and permanent investment. People are heartily tired of purely speculative operations in mining stocks. Our faith in the mines has never for a moment wavered; but the present stock basis we believe is deceptive and wrong, and is sadly in need of a re-adjustment.

Gold Product of the Australian Colonies.

An official return has recently been issued of the quantity and value of gold exported from Australia and New Zealand from 1858 to 1862, both inclusive. The following are the figures from New South Wales, given in round numbers:—

1858	$250,000
1859	407,000
1860	675,000
1861	950,000
1862	714,000

The returns from Victoria, as given in the authority before us, are stated in ounces, which we have converted into Federal currency, at the rate of $17.50 to the ounce.

1858	$44,715,500
1859	39,903,750
1860	37,251,550
1861	34,630,120
1862	32,942,840

The total amount of gold exported from the several gold-producing localities in New Zealand from April 1st, 1857 to September 30th, 1863, is also given in ounces, which we have converted into Federal currency, as above:—

Otago	$20,650,870
Nelson	1,144,655
Auckland	93,0 5
Total from New Zealand	$21,888,540

The above forms a very interesting exhibit of the gold yield of the Australian colonies for the six years prior to 1862. We do not recollect to have met with any statement of the kind for several years, and we presume it will be new to most of our readers.

SIMPLE MODE OF PURIFYING WATER.—It is not generally known that pounded alum possesses the property of purifying water. A tablespoonful of pulverized alum sprinkled into a hogshead of water (the water stirred at the same time) will, after a few hours, by precipitating to the bottom the impure particles, so purify it that it will be found to possess nearly all the freshness and clearness of the finest spring water. A pailful containing four gallons, may be purified by a single teaspoonful of the alum.

IRON SHIP BUILDING.

It appears to be pretty generally conceded, at the present time, that the day is not far distant when the most of our merchant ships will be built of iron instead of wood. Some of our most eminent shipbuilders at the East, among whom we may enumerate Donald McKay, the builder of the Great Republic, and McKay & Aldus, are making preparations for this important change in their business. Both the firms named are at the present time constructing iron ships, of small tonnage. As soon as any material abatement occurs in the present high prices of iron and coal, we may look for much activity in this class of ship building. May we not reasonably hope that our late wooden mercantile marine, the great bulk of which has so recently been transferred to the British flag, to avoid the dangers of English built pirates, will, when replaced, be built up of the more enduring material now coming into vogue?

Our mines of iron and coal are inexhaustible. Coal for fuel and iron for our ships and machinery, if properly brought into use, will in ten years of peace place us immeasurably in advance of the relative position we occupied among the nations of the earth at the breaking out of the existing rebellion. The war has in three years given an impulse to our iron interest which an entire decade of prosperous peace would not have created. Furnaces, rolling mills and foundries are multiplying in Pennsylvania at a most unprecedented rate. It was this class of industry which was developed in Great Britain during her Napoleonic wars, that gave that country such a sudden prominence among the nations. It is in the iron mines and ore beds of England that her strength lies. The former are useless without the latter. Already, her *savans* tell us, symptoms of an early failure begin to appear in her coal mines; while the same class of mines in this country are year by year developing more extensive proportions, until they are now pronounced inexhaustible. It is the possession of these extraordinary sources of material wealth and power, developed by Anglo-saxon energy and enterprise that is destined, with the next generation, to make this country the overshadowing power and master nation of the earth.

FOREIGN MINERS FOR LAKE SUPERIOR.—A great number of foreign miners are now finding their way into the Lake Superior mining region. At last accounts 428 Swedish emigrants, chiefly miners, had just arrived there. There appears to be a Mining Company's Association organized there, which has sent agents to Europe to encourage this class of emigration. One of these agents writes from Gottengen, under date of July 20th, that on the Saturday previous one of the finest steamers in Sweden left Stockholm for America with 240 of this class of emigrants, and that 125 had sailed a few days before; 400 others were expected to sail from Norway by the last of August, and some 800 more still by the first of March next.

The systematic measures in operation to stock the copper mines of Lake Superior with trained and skilled European miners, seem to promise entire success. Every intelligent miner imported into the Lake Superior region is sure to write back to his kindred and friends such accounts of high wages and such descriptions of lodes, rich in virgin copper, as cannot fail to swell the number of emigrants, and thereby rapidly increase the product of the region. The markets of the world are open to Lake Superior copper, which now commands a *thousand dollars per ton*. Might not the general interests of California be improved by a similar systematic effort to encourage emigration to the Pacific coast?

CURE OF SCARLATINA.—Among the recent patents granted to Californians we notice one for a medical composition for the cure of Scarlatina, granted to Mary Ann Ragsdale, of Grass Valley, in this State. She claims an ointment, and a gargle, the same being a new manufacture.

HOME IMPROVEMENTS.

The dull times do not seem to have much effect in retarding improvement in this city. The same activity which has been noticed for the past twelve months still continues in the way of building. In every part of the city we notice buildings constantly in progress, most of them of a very superior order, whether for dwellings or stores, and some really elegant, such as would be an ornament to any city. Gunpowder and muscle are also making rapid inroads into the more prominent topographical features of the city. Wide chasms are being made through some of the hills, and the rough acclivities of others are being rounded into more comely shapes, while others still are being crumbled and carted away down to their very foundations. The pick and drill which so long and so persistently worked away at Telegraph Hill, are now doing a heavy business in undermining the bluff between the foot of Second and Third Streets. The work commenced in that vicinity, last season, by the new gas company, is now being carried along the entire face of the bluff to Third street. The old lime kiln, which for so many years has reclined its broad sides against this bluff, now stands out quite a distance from its former support—a monument of the early days of our city, and the former follies of some of its business men. The extensive wharf and substantial buildings for the accommodation of the gas company, are being rapidly pushed toward their completion. Workmen commenced on Monday, at the foot of Third street, to lay down the main gas pipes of the company, and a broad and substantial road is being constructed upon the regular grade to reach their works. This road, we presume, will, or at least should be, continued around that entire portion of the city front until it intersects Main street near the deep cut through Harrison. This portion of the town is rapidly assuming an important aspect, and indeed must eventually become the central and radiating part of the city. Not less than eight thousand people visited the foot of Third street on Sunday last, chiefly to take a look at the "Washoe" and "Camanche." We notice that the "ways" are being laid, and preparation made for the launching of the latter. Apart from these two objects of attraction, Third street is fast becoming a great thoroughfare for pedestrians and street car travelers, who would seek a few moments of respite from the turmoil of crowded streets, and to get a long breath and snuff the pure salt water breeze from the Third street wharf or adjacent highlands.

ANSWER TO QUERY.

Editors Mining and Scientific Press:—With your permission, I will endeavor to answer the questions, asked in your last issue as to the power of a turbine under a pressure or head of 100 feet using twenty-five inches of water, miners' measure, as used in our State.

According to the formula of Poncelet and Lesbros, (see Weisbach, American edition, page 368, Vol. I) the quantity of water discharged through a lateral orifice = M. a. b. $(2g. h.)^{\frac{1}{2}}$.

a designating depth of orifice, *b* designating breadth of orifice, *h* designating pressure at the orifice, and *M* designating co-efficient of effiux for this case = 0.64, *g* of acceleration of gravity. The quantity of water discharged per second accordingly = 0.6 cubic feet.

This discharge, calculated to take place through a rectangular orifice in a thin plate is sufficiently correct for practical purposes, if the aperture is cut in a one inch rough board; as the experiments made by the writer for a large miners' ditch company in Nevada County, a few years ago, have satisfactorily demonstrated. The aperture, through which the water flows should however not be higher than two inches, as the discharge becomes less, the deeper the orifice.

Knowing the quantity of water, carried by twenty-five inches miners' measure, to be equal to 0.6 cubic feet per second, the *mechanical effect* of the water at disposition, with a head of one hundred feet = $A.j.h.$ (where $A.$ designates the discharge of water per second, j the density of the water and h the fall) = $0.6 \times 62, 4 \times 100 = 3775$ feet lbs.

As the question above specified does not specify the kind of turbine to be used, we will substitute the efficiency of a turbine, perhaps best suited to the case, of one of Whitelaw's = 0.7 (30 lbs of pressure or head of water being lost by friction in the pipe, shock, resistance to entrance, etc). (Experiments on Whitelaw's turbines as made by Messrs. Randolph & Co., of Glasgow, give results varying from 0.6 to 0.75 for the efficiency).

The *useful effect* therefore is $0.7 \times 3775 = 2640$ feet lbs or nearly 5-horse power.

In the same manner the useful effect of a turbine (pressure fifty feet, quantity of water used 144 inches) is found to be nearly 14.6 horse power.

G. F. Deetken, M. E.

The California Powder Works, located at Santa Cruz, are now in successful operation, and are prepared to furnish mining and blasting powder of a quality equal to the best imported. This enterprise is the first of its kind which has been established on the Pacific coast. The company is incorporated, and consists of ten stockholders, each of whom has paid into the capital stock $20,000. Two and a-half years have been spent in erecting the works and bringing them to their present point of success. The stockholders have entered upon the enterprise for the purpose of producing at home an article of great and indispensable importance to the leading industrial pursuit of California. The isolated condition of this State and the adjoining Territories renders it a matter of the utmost importance that we should be placed in a position of comparative independence of foreign markets in this particular. In the present disturbed condition of the political world, this becomes a matter of still more especial importance, and renders the enterprise one eminently worthy the support of the California public. The present capacity of the mills is equal to the manufacture of about 70,000 kegs of powder per annum. The perfection of the machinery and equipment of the mills is believed to be equal to any in the United States or elsewhere. The location of the works is convenient, and in a region abounding with the finest groves of willows, alder, etc., which furnish the best kind of material for the charcoal employed in the manufacture. The company import their saltpetre direct from Calcutta, the great source of supply of that material for the world; of which and sulphur they intend to keep a large supply constantly on hand. The mills of the company are thirteen in number; the whole number of buildings connected with the works is twenty-five. The mills are located at safe distances from one another, and connected by tram-ways. The power is derived from the waters of the San Lorenzo river. The office of the company in this city is at 318 California street.

Rich Rock.—Messrs. Kimball & Murphy, of the European Metallurgical Works, on Bryant street, in this city, have recently been working some very rich rock, from various mines in the interior. Among the lots worked, we are permitted to mention one from the "Gem of the Sierra," Humboldt, N. T., which yielded at the rate of $1,030 per ton. Another lot of 1,540 pounds, from the "Monitor," Tuolumne county, assaying $612, yielded, by practical working, at the rate of $532.50 per ton. A lot from the "Refugio," Mexico, yielded its gold and silver more freely than usual; it assaying $85 in gold and $247.95 in silver per ton, and yielded, by working process, $80 in gold and $214.46 in silver. Messrs. Kimball & Murphy have one of Prater's Concentrators at work in their metallurgical establisbment, which they assure us is a most efficient and useful piece of mining machinery, as by it much can be saved that is usually allowed to go to loss—viz: floating quicksilver and sulphurets.

The Union Torchlight Procession, which takes place in San Francisco this evening, is expected to be the most extensive demonstration of the kind ever made on this coast.

HOME FINANCES.

The money market is growing easier and there is an evident tendency to lower rates of interest upon first-class securities. Capital has been accumulating for some time past and the volume of money now available for loan purposes is greater than at any former period during the year. Nearly a half million dollars have been received here lately from eastern parties for investment in Real Estate and Mining Stock, and the different agencies of British Banks are preparing to extend loans and other facilities to the business community. Notwithstanding the severe and protracted drouth which has prostrated so many interests in the interior, and the losses our own people sustained early in the summer in the speculative arena of the Stock Exchange, a general prosperity may be noticed at this time among all classes. The mining interests are looking up again and will doubtless soon attract more attention.

The product of the precious metals on this coast since January last has exceeded $40,000,000 of which sum Nevada has produced $11,000,000 and British Columbia, Oregon and Idaho some $5,000,000. This is a gratifying exhibit and will have the effect to encourage and stimulate this leading pursuit and all important interest. Our exports of treasure for the past nine months have reached an aggregate of $44,000,000 of which amount $28,000,000 were sent to England, $9,000,000 to New York and some $6,000,000 to China. The Sub Treasurer's shipment of $6,000,000 is included in our remittances to England, against which bills were drawn and sold by the authorities at Washington. The disbursements on this coast for the past three quarters of the current year amount to $8,500,000 chiefly in Legal Tender notes, and the revenue for the same period $6,700,000 including $4,800,000 in gold from duties on imports.

A fair business was done on last steamer day on Exchange, and the shipment of treasure reached $1,200,000. Currency Bills were sold at 85@90 per cent premium on gold and Telegraphic Transfers ruled at 5½ per cent premium. Legal Tender Notes are selling in moderate quantities at about 52½@53½ cents.

We publish this week the promised paper on Crucibles and Fire-proof Materials by Mr. J. H. Churchill, A. M., now of this city. It was originally read before the American Institute of New York, and published in their proceedings, but the importance of the subject in our own State and the marked care with which the results of so much observation and practice were collected, render it deserving the attention of our readers.

Gun Cotton to be Tried.—We understand that parties in this city, heavily interested in mining, have ordered from the East a quantity of gun cotton, manufactured after the Austrian formula, sufficient to make a practical test of its for utility blasting purposes. We are promised the result of the experiments as soon as they have transpired. Should they prove what is expected, the above parties are prepared to import for sale in any quantity which this market may demand.

Digest of Laws.—Mr. Thompson H. Hittell, of this city, has nearly completed a Digest of the Statutes of California from 1850 to the present time. A compilation of this kind, carefully prepared, is much needed, not only by the legal fraternity but by business men also throughout the State. Mr. Hittell is said to be eminently well qualified for such a work.

A Self-Emptying Basket is enumerated among the late useful inventions for the horticulturalist. The basket is so constructed that it may, by means of a cord, be let down from the highest tree, and deposit its contents upon the ground or in barrels, with but little effort on the part of the picker, thus materially reducing the labor of gathering fruit.

An English steamer, lately built, has the escape pipe leading from the safety valve under water, so as to avoid the unpleasant noise caused by blowing off in the air.

EASTERN FINANCES AND TRADE.

Our latest Eastern mail advices are to the 13th of September. At that date all business seemed to be devoid of any animation, save in the prime necessaries of life, which rose and fell daily, more or less, in sympathy. Gold speculation seemed to be most active in the provision line. Cotton had been in better request, and was selling at 185@187 ₱ lb. At a large auction sale of Magadore, Montevideo and California wool, prices ranged from 26½c to 57c ₱ lb.

The Dry Goods trade was exceedingly depressed, and importers, commission houses, jobbers and retailers were all complaining of the trifling demand. Buyers anticipated a sudden break-down in prices, and were disposed to stand off. Speculative operators were more circumspect, and anxiously watched the fluctuations in the gold market as well as the political signs of the times. All stocks of general merchandise in the hands of legitimate dealers are thought to be small.

In the condition of the finances, no material change is apparent, either in the supply of capital or the demand for its use. The current rate of interest charged for demand notes was 6 ₱ cent. per annum; and discounts of first-class commercial paper were effected at 7@9 ₱ cent.

The Government was requiring a good deal of money, but nearly all the national securities on the market had advanced and were in good request. They were believed to be not only cheaper than local stocks, but safer as an investment in view of the prospects of an early peace. Orders from the continent of Europe continued to reach New York for the ten-forty and five-twenty bonds of the United States, at *the market rates*. The payment of the interest on these bonds in gold, long before it was due, stimulated this foreign demand, and was productive of much good at home.

The Santa Barbara Sufferers.—The Committee appointed to distribute the contributions collected in this city for the sufferers in the southern counties have addressed a letter to Mayor Coon, of this city, in which they state that notwithstanding the actual existence of a large amount of suffering in Santa Barbara, for the lack of provisions, which may be readily ascertained by any one who will take the trouble to go where the suffering is, there are still people in that city who ignore its existence to any extraordinary extent. Others, while they admit its existence insist that local charity is quite sufficient to relieve the wants of the truly necessitous. The committee, however, insist to the contrary, and assert that it is a case entirely beyond the power of the citizens or local authorities to adequately meet. A list of forty-three families, in Santa Barbara alone, embracing over 200 souls, mostly women and children, has been prepared, where extreme destitution prevails, and the committee had not up to the time of writing been able to visit other sections, in the interior, where quite as much distress prevails. The Committee, however, feel justified in saying that assistance already received and now *en route* has been most opportune; but the amount has been such that in their opinion no further supplies need be forwarded unless especially called for by the local authorities. Thanks for the prompt and generous action of the citizens of San Francisco is expressed by the committee of distribution, and the blessing of Heaven is invoked upon the donors.

Some Ingenious Inventor, at Vienna, has recently succeeded in transposing (photograph) to copper plates. It is said that the pictures taken by the process are beautifully executed. The invention is a useful one, but not entirely new, as the same thing has been done for some time in New York, but whether by the same process we are not informed.

The new Sacramento steamer now in process of construction at Hunter's Point, will be thirty feet longer than the Chrysopolis and in every way her superior. The Chrysopolis is now the largest and finest boat afloat on the inland waters.

A Query.

EDITORS MINING AND SCIENTIFIC PRESS:—Allow me to ask you and other scientific gentlemen, through your paper, a question on which I have doubts and from an answer to which the mining community of this district may be more or less benefitted.

About 20 miles from Austin, in a southeasterly direction, we have found considerable masses of asphaltum, derived from springs opening up from various crevices and cavities occurring in an immense mass of metamorphic rocks, of a compact nature. These rocks are separated from a well-defined slate range by a limestone strata formation, from 60 to 70 feet in width. The general formation of the mountain range there is of a stratified character—the above-mentioned compact masses forming merely an exception. In the adjoining slate range, which is very extensive, we have found beautiful specimens of petrified wood. We have also found indications of soda in the neighborhood, and twenty miles southeast is the great salt bed of Smoky Valley; forty miles south of which we find the well-known and extensive hot springs of Smoky Valley.

Now the question which I desire to ask is: "Have we any reason to look for coal beds in that vicinity, and if not, what originates the asphaltum, and how came it there?"

AUSTIN, N. T., Sept. 29, 1864. F. A. M.

In answer to the above "query," we would simply say that the description which our correspondent gives of the region alluded to is quite sufficient to attract much interest and importance to the locality; but the data given are not such as to enable any one, who has not seen the locality, to answer his enquiry in a manner which would be at all satisfactory to either the enquirer or the writer. If we were to express any opinion whatever, it would be that the indications are more favorable for the development of oil wells, than for coal mines. The generally received theory, at the present time, is that deposits of oil and asphaltum are not dependent upon the existence of coal. We may have more to say upon this at a future time.

VENTILATING ATTACHMENT FOR BEDSTEADS.—Under this title, John H. Martin, of Hartford, N. J., has procured a patent for an invention, the object of which is to obtain a device of simple construction which may be applied to a bedstead in such a manner as to be entirely out of the way of the occupants of the bed and be capable of raising and opening the bed-clothes at any time when desired, for the purpose of airing or ventilating them, and at the same time be capable of holding the bed-clothes in proper position on the bed when the latter is in use. The invention is designed to supersede the laborious hand-work in making beds, and to afford facilities for airing and ventilating the bed-clothes so that the same may always be in a cleanly and wholesome condition.

ANT TRAPS.—Among the various devices for getting rid of these little pests, we have met with nothing which promises better success than the following:—"Procure a large sponge, wash it well, and press it dry, which will leave the cells quite open; then sprinkle over it some fine white sugar, and place it near where the ants are troublesome. They will soon collect upon the sponge and take up their abode in the cells. It is only necessary to dip the sponge in scalding water, which will wash them out dead by the tens of thousands. Put on more sugar, and set the trap for a new haul. This process will soon clear the house of every ant."

INCENDIARIES seem determined to destroy the city of Stockton. Several fires have occurred there of late, which were undoubtedly their work. Three were kindled on Saturday night last. The citizens are taking measures to break up the gang.

AN INGENIOUS MECHANIC of Worcester, Mass., has invented a self-operating machine for spinning wool, that saves half the labor and cost of the best of its predecessors.

"THE TEMPLE OF SOLOMON" is the title of a pamphlet of about eighty pages which has been laid upon our table by A. Roman & Co. This pamphlet is the substance, somewhat enlarged upon, of an address which has been delivered, at different times, by Orceneth Fisher, K. T., before various Masonic bodies, during the last two or three years. It is intended, more especially, for the members of the Masonic Fraternity, but will be found valuable and interesting to all who desire to obtain even a superficial idea of the principles and teachings of the mystic brotherhood. It may be obtained at Roman's.

COAL EXPORT.—It was found to be a military necessity, some time since, to stop the export of anthracite coal, in order to meet the extraordinary Government wants for that material. It is now said that the exigency having passed, the President is about to revoke the prohibition, which revocation, it is thought, will have a favorable effect on the gold market.

The above is all correct with the exception that there is no such place as "Prairie du Chien, Illinois," no such paper as the "Prairie du Chien *Courier*," and the big bug of the size of a large bean, with an "L" on his back, is simply the "Seven Year Locust," which has visited the Western States at regular intervals ever since they were settled by white men.

WELL PUT.—The Folsom *Telegraph* in noticing the fact that the supervisors of San Francisco were at work upon an ordinance to keep pigeons outside of the city, suggests that while they are passing prohibitory ordinances they should also enact one prohibiting whales from entering the city limits.

A DESTRUCTIVE FIRE occured in San Juan, Nevada county, on the 6th instant, completely destroying the Chinese part of the town and considerable other property. It was only by great exertions that any portion of the town was saved.

"PUNDIT" AFTER THE "PROFESSON."—We have received a communication from our correspondent "Pundit," taking issue with Pro. Fessor Silliman's "theory" of the formation of the "chloride ores" in the "Grent Basin," and substituting one of his own. We shall give place to the new "theory" next week.

TEMPERING STEEL.—Ariel B. Sporus, of Hughesville, Pa., has obtained a patent for the use of a solution of soap suds or the component parts thereof, adapted to be increased or diminished in strength when employed as a medium for tempering steel in order to give it any degree of hardness, and prevent the same from cracking or checking during the tempering process, as explained in his specifications.

DIVIDEND.—The California Steam Navigation Company has declared a dividend of three per cent. on its capital stock, payable on and after the 15th inst.—two per cent. payable in coin and one per cent. in greenbacks.

"TRAVELER" has furnished us some important information from Indian Valley, Plumas county, for our next. The present No. is much enlivened by the valuable assistance of our contributors.

THE important feature of the week has been the election news from Eastern States—Pennsylvania, Ohio and Indiana having given decided Union majorities.

CAMELS AS CARRIERS.—Eight camels, loaded with flour, arrived from Folsom, California, at Austin, Reese River, on the 8th. They travel at the rate of forty miles a day, and seem not to weary.

MINING ACCIDENT.—On the 7th instant, W. H. Cumminsky, while working in the Grent Eastern mine, at Reese River, was injured by a descending car, which got disengaged from the rope on the whim.

FOR INCENDIARIES.—Some thirty merchants of Stockton have pledged themselves, in various sums to reward the individual who will detect and bring to justice the incendiaries who are now infesting that place.

CLAMEROUS people should remember that the tail of the rattlesnake makes all the noise, but the head does the execution.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE.
Antelope, Esmeralda, $10	Oct 17—Nov 1
Alameda Coal, $1	Nov 2—Nov 19
Apollo, R. R., 50c	Oct 1—Oct 20
Buckeye and Old Hickory Cons., S. Cat., 50c	Oct 28-Nov 12*
Butte, Humboldt, $1	Nov 7— Nov 19
Bajazett & Gold Era Cons., $5	Sale Oct 8, Virginia
Burnside, Virginia, 50c	Oct 5—Oct 20
Big Canop, Tuolumne co., $3	Nov 16—Nov 31
Boston Copper, El Dorado co., $1	Sep 30—Oct 15
Baja California, San Antonio 25c	Nov 9—Nov 21
Best & Belcher, Virginia, $7.50	Oct 25—Nov 7
Blue Ledge, Kelsey	Annual Meeting Oct 15
Caledonia T. & M.	Annual Meeting Nov 14*
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Crescent Quartz, Dividend $50	Payable Oct 1*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Cook, Esmeralda, 25c	Oct 1—Oct 15*
Chrysopolis, Low Divide, 25c	Oct 23—Nov 8
Cortez, Lander co., $1	Nov 2—Nov 17
California, Virginia, $12.50	Aug 12—Oct 15
Central, No. 2, Virginia, $3	Oct 3—Oct 17
Caledonia T. & M., Gold Hill, $1	Oct 6—Oct 19
Crown Lead, Mariposa co., $1	Oct 9—Oct 29
Comstock, San Antonio, 60c	Oct 19—Nov 3
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Coral Hill, $1	Oct 19—Nov 5
Corral Viejo, Sonora, $3.50	Oct 23—Nov 9
Capitola, Santa Clara, 25c	Nov 14—Nov 26
Capitola	Special Meeting Nov 14 San Jose
Cosmopolitan	Annual Meeting Oct 24
Chimawavo, Colorado, 40c	Oct 12—Nov 10
Copp, Humboldt, $3	Nov 10—Nov 25
Cole, Virginia, $1	Oct 15—Oct 31
Dashing Wave, Lander co., 25c	Oct 29—Nov 14*
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Daney, Lyon co., $2.50	Oct 10—Oct 24
De Soto, Star, $2.50	Oct 22—Nov 9
Diamond, Copper. Del Norte co., 75c	Oct 22—Nov 9
Dell, G. H.	Sale Nov 5
Evoca, Del Norto co., 25c	Oct 8—Oct 24*
El Dorado, Silver Mountain, 50c	Oct 28—Nov 12*
East Range, Humboldt, $3	Sep 28—Oct 18
El Tesoro, Lower Cal., $4	Nov 15—Nov 30
Ethan Allen, R. R., $1	Oct 11—Oct 26
Etna, Esmeralda	Annual Meeting Oct 17
El Taste, Mexico, $2.50	Nov 3—Nov 15
El Taste	Annual Meeting Oct 18
Eureka Cons., Arizona, 50c,	Nov 10—Nov 26
El Alamo de San Antonio, 50c	Nov 5—Nov 15
El Dorado, Virginia, $1	Nov 14—Nov 30
El Toro, Sinaloa,	Oct 15—Oct 29
Fortune, Calaveras co., 20c	Oct 22—Nov 9*
Franco Americana, San Antonia, $1	Oct 10—Oct 26
Fork, 25c	Sep 29—Oct 15
Fairview, R. R., 50c	Oct 25—Nov 5
George Washington No. 2	Annual Meeting Nov 17*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Gobernadora, Lower Cal., $1	Oct 18—Oct 31
Green, Gold Hill, $1	Oct 26—Nov 12
Gov. Seymour, R. R., $5	Nov 12—Nov 24
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Gaudaloupe del Aguajito, Sonora, 50c	Oct 23—Nov 12
Green, San Bernardino, 75c	Oct 23—Nov 8
Gold Hill T. & M., $1	Oct 26—Nov 9
Great Western T. & M., Aurora, 40c	Oct 29—Nov 9
Great Western T. & M	Special Meeting Nov 1
Great Central, Weaver, 30c	Oct 3—Oct 15
Guasaparis, Mexico, $25	Nov 4—Nov 15
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Humboldt, Sierra District, $2	Sep 30—Oct 19
Hale & Norcross, Virginia, $25	Oct 15—Nov 1
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
Independent, R. R., $1	Oct 8—Oct 22*
Illinois, El Dorado Canon. A. T., $2	Oct 1—Oct 17*
Imperial, Arizona, 35c	Oct 17—Oct 27
Indian Valley, Plumas	Annual Meeting Oct 18
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jesus Maria Trading & Mining, Sonora	Sale Nov 9*
Josephine Quicksilver, Salinas, $5	Oct 7—Oct 18
Jura, American Flat	Annual Meeting Oct 17
Jewel, D. G., $1.50	Nov 10—Nov 22
Keokuk, Clayton 10c	Nov 5—Nov 19*
Kentucky Copper, Madaine Felix, 50c	Oct 8—Oct 22
Lancaster, Como, Lyon co., 50c	Oct 8—Oct 26*
Loomis, Lander co., 25c	Oct 29—Nov 14*
Lady Bell, Low Divide, 10c	Oct 24—Nov 5
Lotus, Gopher, 10c	Oct 21—Nov 5
Las Chureas, Lower California, $50	Oct 5—Oct 17
La Fernandez, Hermosillo, Mexico, $4	Oct 29—Nov 8
Las Gruzecitas, San Xavier, $6.25	Nov 14—Nov 26
Laura Johnson, Los Angeles, 50c	Oct 4—Oct 19
Lucy Ella, Gold Hill.	Sale Oct 18
Lady Bell	Annual Meeting Oct 24
London Quartz, Siskiyou	Oct 29—Nov 17
La Soledad, San Dimas $1	Oct 24—Nov 5
La Esperenza, Arizona, $5	Nov 5—Nov 21
Libertad, Urcs, $5	Nov 1—Nov 15
La Figaro, 32c	Nov 4—Nov 14
Lone Star	Treasurer's sale of stock Oct 17
Mammoth, Silver Mountain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 5*
Mejicana, Coftra Costa, 15c	Oct 11—Oct 31*
Mechanics', Clayton, 5c	Sep 24—Oct 15*
Musidora, San Antonio, 50c	Oct 8—Oct 22
Maria, Ghihuahua, 75c	Sep 28—Oct 12
Manzanilla, Sinaloa, 25c	Sep 24—Oct 18
Mina Prieta, Ures, $10	Sep 23—Oct 15
Mary Frances, Alpine co., 50c	Oct 10—Oct 22
Mina Rica de Las Flores, Calaveras co., $1	Oct 25—Nov 14
Mina Rica de las Flores	Special Meeting Oct 21
Monster Cons., 50c	Oct 24—Nov 5
Manchester. Monitor, $1.50	Oct 22—Nov 5
Mineral Hill T. & M., Mono co., 50c	Oct 19—Nov 1
New Era, Cop., Tuolumne co., 25c	Nov 10—Nov 26*
North Star, R. R., $3	Oct 6—Oct 19
Nuestra Senora de Guadaloupe, Mex. $1	Oct 30—Nov 14
North American, $2	Sale Nov 4, Virginia
Ne Plus Ultra, Tuolumne co., 50c	Oct 8—Oct 20
New Year's Diggings, Tuolumne co	Oct 29—Nov 9
Oxford Beta, Esmeralda, 50c	Oct 15—Nov 2*
Overman	Sale Oct 17, Gold Hill
Open Sesame, Clayton, 50c	Nov 16—Nov 26
Palma, Sonora, 25c	Oct 29—Nov 19*
Providence, Nevada co., $1	Oct 22—Nov 5*
Pena Silver, Lower California, $3	Aug 20—Oct 29*
Plumbago, Sierra, $1.50	Oct 13—Oct 27
Planet, Arizona, $1	Oct 29—Nov 10
Penole, Clayton, 20c	Oct 12—Oct 24
Peninsula, San Antonio, $10	Nov 4—Nov 15
Pride of the West, Silver City, $3	Nov 7—Nov 21
Princess	Annual Meeting Oct 28
Ruba, R. R., $1	Nov 12—Nov 30*
Rose, Mariposa, 50c	Oct 7—Nov 7*
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Rose Linda, Alpine co., 60c	Sep 30—Oct 20*
Realdel Monte, Esmeralda	Sale Oct 5
Rosario & Carmen, Sinaloa, $1	Oct 29—Nov 10
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 21*
Simpson & Bosselle, Carson Valley, 30c	Oct 22—Nov 7*
Sisters & Augusta, Lander co., 15c	Oct 19—Nov 19*
St. Paul, Lander co., 50c	Oct 15—Oct 29*
Salinas, Monterey, co., 20c	Oct 15—Oct 29*
Santa Cruz, Petroleum, 12½c	Sep 26—Oct 20*
Steamboat, Sierra, Humboldt co., $1	Sep 10—Sept 26*
Sweet Vengeance, Yuba co., $1	Oct 20—Nov 4
Sierra, Genoa, $2	Oct 5—Oct 17
Silver Circle, R. R., $1	Sep 30—Oct 18
Sonoma Ledge, R. R., $1	Oct 7—Oct 21
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Sierra, Genoa, $2	Oct 5—Oct 17
Stanislaus Copper. 50c	Nov 16—Dec 2
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Soledad Hill, Soledad, 50c	Oct 21—Nov 1
South Sonoma	Annual Meeting Oct 3—Austin
Santa Cruz, Lower California, $2	Nov 4—Nov 15
Sonoma Ledge, R. R.	Annual Meeting Nov 8
Santa Rosa de Ures, Mex., 50c	Nov 8—Nov 26
San Carlos Ex. & M., Inyo, $2	Nov 9—Nov 24
San Francisco, Moss Ledge	Annual Meeting Oct 15
Table Mountain Copper, Calaveras co., $1.65	Oct 22—Nov 7*
Tallulah, Sierra. $15	Oct 15—Oct 25*
Troy, R. R., $2	Oct 10—Oct 24
Tellurium, Amador co., $1	Nov 2—Nov 16
Teutonia, G. H.	Sale Oct 22
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Virginia, $1	Oct 31—Nov 16*
Utah, $12.50	Oct 22—Nov 14
Veatch, Lander co., $2	Oct 31—Nov 15
Walker, Lander co., 25c	Oct 29—Nov 14*
White & Murphy, Virginia, $4.50	Nov 10—Nov 25
Washoe, Gold Hill $4.50	Oct 15—Oct 26
Wide West, Alpine co., 50c	Sep 24—Oct 15
Well Partridge, Arizona, 25c	Oct 18—Oct 31
Waitt Cons., Arizona, 15c	Oct 18—Oct 31
Whitman, Lyon co., $7.50	Oct 29—Nov 15
Williams, Alpine co., 50c	Oct 21—Nov 8
Winnemucca, 1st N. E. Ex	Sale Oct 28
Yellow Jacket, 11 per cent	Oct 4—Gold Hill
Yuba, 50c	Oct 29—Nov 9

*Those marked with an asterisk (*) are advertised in this journal.

ASSESSMENT AND SALE LIST

OF CLAIMS IN

VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	*Date of Levy.*	*Am't per foot.*
Bullion	Sept 14	10 00
Bullion	Sept 18	10 00
Crocker	Sept 29	25
Central Hawkeye	Sept 28	2 50
Cresus	Sept 12	10 00
Dardanelle	Oct 4	3 00
Gilmore	Sept 28	25
German	Sept 28	50
Hull	Sept 15	1 00
Hawkeye Original	Sept 13	2 00
Jackson	Sept 14	25
Milton	Oct 1	5 00
Milton	Oct 2	5 00
Michigan	Sept 29	30 00
Mary Ann	Sept 23	10 00
Peerless Copper	Oct 1	10
Sides	Sept 20	15 00
Sunrise	Sept 21	1 00
Santa Fe	Nov 5	Virginia

Delinquent Sales.

Name of Company.	*Date of Sale.*	*Place of Sale.*
American Basin	Oct 16	Virginia
Branch Mint	Oct 29	Virginia
Crystal Peak W. D. M. Land M Co.	Nov 1	Virginia
Central Hawkeye	Oct 28	Gold Hill
Combined Effort	Oct 28	Gold Hill
Cresus	Oct 20	Gold Hill
Dardanelle	Oct 17	Gold Hill
Dardanelle	Nov 3	Gold Hill
Eureka	Nov 12	Virginia
Fremont	Nov 4	Virginia
Honduras	Nov 1	Virginia
Keystone	Nov 10	Virginia
Knickerbocker	Oct 29	Gold Hill
La Pinta Oro	Dec 3	Virginia
Morning Star	Oct 29	Virginia
Monitor	Oct 24	Virginia
North American	Nov 4	Virginia
Peerless Con	Oct 31	Virginia
Santa Fe	Nov 5	Virginia
Uncle Sam	Oct 27	Virginia

BRANDRETH'S PILLS are specially recommended for Stomach Coughs, Fever and Ague (which they surely cure), Asthma, shortness of breath and all obstructions. And if taken after too free an indulgence at the table, they at once restore the system to its natural state of healthy repose. Sold by all Druggists.

WHERE warmth is wanted; where the natural action of the surface is imperfect; where a surface is unnaturally hot and dry; where there is pain or weakness; and where there is numbness, imperfect circulation, or debility from an injury to the part, or from local rheumatism or paralysis, apply over or near the part, a Porous Plaster of DR. ALLCOCK. Sold by all Druggists.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

Important Practical Application of the Spectroscope.

The English spectroscopist Roscoe has applied this new instrument of research to the manufacture of steel by the Beasemer process. One of the greatest drawbacks to the successful practical working of Bessemer's process for converting cast iron directly into steel has been the difficulty of determining the exact point at which the blast of air passing through the molten metal is to be stopped. The conversion of five tons of cast iron into cast steel usually occupies from fifteen to twenty minutes, according to the conditions of the weather, quality of the blast, etc. If the blast be continued for ten seconds after the proper point has been attained, or if it be discontinued ten seconds before that point is reached, the charge becomes either so viscid that it cannot be poured from the converting vessels, or it contains so much carbon as to crumble under the hammer. Up to the present time, the manufacturer has judged of the metal by the general appearance of the flame which issues from the mouth of the converting vessel. Long experience enables the workman to detect, with more or less exactitude, the point at which the blast must be cut off. It appeared to Professor Roscoe that an examination of the spectrum of this flame might render it possible to determine this point with scientific accuracy, and that thus an insight might be gained into the somewhat complicated chemical changes which occur in this mode of conversion of cast iron into steel. At the request of Messrs. John Brown & Co., of the Atlas Works, Sheffield, Professor Roscoe investigated the subject, and succeeded in obtaining very satisfactory and interesting results. The instrument employed was an ordinary Steinheil's spectroscope, furnished with photographic scale and lamp, and provided with a convenient arrangement for directing the tube carrying the slit towards any wished for part of the flame, and for clamping the whole instrument in the required position. By help of such an arrangement the spectrum of the flame can be most readily observed, and the changes which periodically occur can be most accurately noted.

The light which is given off by the flame in this process is most intense; indeed a more magnificent example of combustion in oxygen cannot be imagined—and a cursory examination of the flame spectrum in its various phases reveals complicated masses of dark absorption bands and bright lines, showing that a variety of substances are present in the flame in the state of incandescent gas. By a simultaneous comparison of these lines in the flame spectrum with the well known spectra of certain well known elementary bodies, Roscoe succeeded in detecting the presence of the following substances in the Bessemer flame—sodium, potassium, lithium, iron, carbon, phosphorus, hydrogen and nitrogen—a list to which further investigation with an instrument of higher dispersive powers than that employed would doubtless add other members. The investigation has already advanced so far that the point in the condition of the metal at which it has been found necessary to stop the blast can be ascertained with precision; and thus, by the application of Spectrum Analysis, that which previously depended on the quickness of vision of a skilled eye has become a matter of exact scientific observation.—*Abstract from the Practical Mechanic's Journal.*

Forage Plants for California.—The last vessel from Australia brought to Professor Brewer, of the State Geological Survey, a tin-lined box full of Australian seeds sent by Dr. Mueller, Government botanist of the colony of Victoria. Among these seeds were six packages of seeds of indigenous grasses or forage plants of Australia. It is known that there is a considerable resemblance between the climate of California and that of Victoria. Many of the plants of each thrive in the other. Australia has immense herds of neat cattle and sheep, which fatten on the indigenous grasses, and there is reason to hope that some of these grasses may thrive here. California is poor in forage plants. Not one of our grasses is strong enough to form a thick sod that will retain its vitality through the summer on the dry plains. Professor Brewer has devoted considerable attention to the subject, and so has Dr. Bolander, a botanist of this city. Experiments will be tried with these Australian grass seeds to ascertain their value. The introduction of a better grass than we now have would be worth the expense of a hundred geological surveys.—*Alta.*

Large Cannon.—It is an error to suppose the manufacture of large cannon a perfectly modern accomplishment. The twenty-two inch gun of Constantinople, and the twenty-eight inch guns of the Dardanelles, were made many years ago. The great gun of the Kremlin, in Moscow, is reputed to be the largest in the world. It is thirty-six inches in caliber, eighteen feet long, and weighs ninety-seven thousand five hundred pounds. The inscription shows it to have been made in 1586.

Professional and Business Cards.

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for the Territo of Nevada and Arizona,
AND FOR THE
STATES OF MASSACHUSETTS AND MAINE.
Office, Montgomery Block, 630 Montgomery Street,
10v8-2m SAN FRANCISCO.

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.

Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.
7v9-tf Office, 328 Montgomery street.

BOOKKEEPING.
Young men can acquire a complete business Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of Prof. Lutz, 305 Montgomery Street. The course of study prescribed for his students is more extensive and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable 7-2m

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.
JARVIS JEWETT, AGENT.
629 Washington Street, San Francisco, Cal. 10v8-1m

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
GEO. B. HITCHCOCK & CO.,
2-1m 413 and 415 Sansome St., cor. Commercial, S. F.

NATHANIEL GRAY,
General Furnishing Undertaker,
641 Sacramento St., corner of Webb, San Francisco. 1

D. NORCROSS,
MILITARY GOODS OF ALL DESCRIPTIONS. NAVY TRIMMINGS AND EMBROIDERIES. REGALIA FOR ALL ORDERS.
aug17-tf Masonic Temple, No. 6, Post Street.

Evening Instruction in Anylitical
Chemistry and Assaying,
Conducted by Thomas Price.
(Agent for the Swansea Ore Importers in California.)
Having fitted up a laboratory especially for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

GOVERNMENT HOUSE.
Northwest corner Washington and Sansome streets San Francisco.
Sixty-Four Rooms and Offices, in Suits or single
THE BEST FURNISHED, LIGHTED, AND MOST DESIRABLE ROOMS IN SAN FRANCISCO.
C. A. CRANE, Proprietor.
JOSEPH C. COLLINS, Superintendent. 3-3m

Trades and manufactures.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
617 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. 12-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

JOHN DANIEL,
(SUCCESSOR TO O. GOAT)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

HENRY V. POSER,
Ornamental Plasterer.
No. 620 Market street, North Side, between Montgomery and Kearny, San Francisco.
Old walls thoroughly repaired, cracks and fractures in all kinds of plastering so repaired as not to be observable. Whitening and Coloring in Zinc, warranted to give satisfaction and so put upon the walls that it will not rub off.
☞ Terms Moderate. ☜ 2-1m

HUCKS & LAMBERT,
ORIOINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Mission streets, San Francisco.
This composition is peculiarly adapted for Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By **FRONTIER & DEVIERCY.**
437 Pine Street, San Francisco.
au31tf.

Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
11v8-m 313 and 315 Davis Street, San Francisco

Metallurgical Advertisements.

G. E. MOORE,
Assayer and Analytical Chemist,
Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.
References:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!
Promptness and Accuracy Secured,
BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!
J. H. CHURCHILL, M. A.,
Consulting Chemist, [from Europe.]
No. 308 Front St., S. E. corner of Commercial Street.
Refer to the Editors of this journal.
☞ "HINTS FOR PROSPECTORS" free by post. 1tf

EUROPEAN
METALLURGICAL WORKS.
Bryant Street, Between Third and Fourth,
San Francisco.
The Proprietors having recently added to this Establishment the latest and most approved Machinery for the Reduction and Testing of ORES of all sorts—either in large or small quantities—are prepared to test Ores by such process as may be ascertained best suited to their chemical character, after a careful analysis being first made. Assays, either in the humid or dry way, made of all Minerals. Also, Refining and Cupellation attended to.
☞ Particular attention paid to the Smelting of Copper and Silver Ores.
S. P. KIMBALL J. C. MURPHY.
14-3m

DEETKEN & CO'S
METALLURGICAL WORKS,
FOR THE REDUCTION OF
SILVER AND GOLD ORES, TAILINGS, SULPHURETS, ARENIURETS, ETC., ETC. CUPELLATIONS AND REFINING OF SILVER AND OOLD,
Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.
Works—On the San Bruno Road.
Office—No. 315 Montgomery St., San Francisco. 16tf

REMOVAL.
THE OFFICE OF DEETKEN & CO'S METALLURGICAL WORKS HAVE BEEN REMOVED FROM 605 to 315 MONTGOMERY ST., SAN FRANCISCO.
16 A. MARCUS, Secretary.

NORTH BEACH
Quartz Mill and Reduction Works,
Are prepared to work gold and silver ores in large or small quantities.
Working assays made of small lots, and all kinds of ores crushed at short notice.
Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
WHEELER & THAYER, Proprietors.
C. C. JONES, Amalgamator.
San Francisco, Oct. 13, 1863. j2tf

WHEELER'S
Amalgamating & Separating Pans.
It is acknowledged by all who have examined the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.
The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.
Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.
*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.
The subscribers would call the attention of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from
Gold and Silver Ores,
Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.
These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to be their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.
☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.
(Illustrated in the Mining and Scientific Press, April 9th, 1864.) HEPBURN & PETERSON.
nov8 3m*

To Quartz Miners.
All persons interested in mining machinery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.
No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.
A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

PRATER'S
PATENT CONCENTRATOR.
The proprietors of this new Concentrator, having completed arrangements for its manufacture at the Pulpin Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed
It Has No Equal in Use.
The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.
This machine is now running on waste sands, from which it is taking out an average of 2½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to
HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

Disney's Cylinder Amalgamator.
The Cheapest and Best.
Disney's Cylinder Amalgamator, which has recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.
It may be seen in operation at the Rail Road Foundry on Fremont street where
A NEW CRUSHER
Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.
M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

Annealing.

In a considerable number of instances, bodies which are capable of undergoing ignition, are rendered hard and brittle by sudden cooling. Glass, cast-iron and steel are the most remarkably affected by this circumstance: the inconveniences arising from which are obviated by cooling them very gradually, and this process is called "annealing." Glass vessels are carried into an oven over the great furnace called the leer, where they are permitted to cool, in a greater or less time, according to their thickness and bulk. Steel is most effectually annealed by making it red hot in a charcoal fire, which must completely cover it, and be allowed to go out of its own accord. Cast-iron, which may require to be annealed in too large a quantity to render the expense of charcoal very agreeable, may be heated in a cinder fire, which must completely envelope and defend the pieces from the air till they are cold. The fire need not be urged so as to produce more than a red heat; a little beyond this, bars and thin pieces would bend, if destitute of a solid support; and would even be melted without any vehement degree of heat. If it be required to anneal a number of pieces expeditiously, and the fire is not large enough to take more than one or two of them at once; or if it be thought hazardous to leave the fire to itself, from an apprehension that the heat might increase too much, the following scheme may be adopted: heat as many of the pieces at once as may be convenient, and as soon as they are red-hot bury them in the dry sawdust. Cast-iron, when annealed, is less liable to warp by a subsequent partial exposure to moderate degrees of heat than that which has not undergone this operation.

The above methods of annealing render cast-iron easy to work, but do not deprive it of its natural character. Cast-iron cutlery is, therefore, stratified with some substance containing oxygen, such as poor iron ores, free from sulphur, and kept in a state little short of fusion for twenty-four hours. It is then found to possess a considerable degree of malleability, and is not unfit for several sorts of nails and edge-tools.

Copper forms a remarkable exception to the general rule of annealing. This metal is actually made softer and more flexible by plunging it, when red-hot, into cold water, than by any other means. Gradually cooling produces a contrary effect.—*Mechanic's Own Book.*

Oil Springs of Humboldt County.—A correspondent of the *Union* says: Humboldt county is evidently destined to be one of the greatest oil-producing regions in the world; there is a large region of country here that seems to be completely saturated with petroleum; the liquid streams spontaneously through the surface and rises wherever a hole is dug, and coal gas arises everywhere. There is a large number of springs from which the natural crude oil flows in great abundance, one from which issues over a barrel per day; also, hundreds of gas springs, two of which are now burning. There are likewise two or three large pools of bitumen springs, or what is called asphalt. In fact, the oil-bearing sand rock seems charged from top to bottom with oil and gas. I entertain no doubt that the rocky strata, within the limits of several square miles, and more or less impregnated with the precious fluid.

Fossil Shells.—The *Flag* says that a number of quite unique fossil shells have recently been found embedded in argillaceous clay slate, in Bear Valley, Mariposa county, which are mainly interesting as being the first that have been found in the gold-bearing rocks on this coast. They were taken from the wall rock of the famous Pine Tree vein, in that valley. These shells, it is believed, are of marine origin, and of the cretaceous era. If so, they fix the relative age of our gold-bearing quartz veins—a subject of much interest to geological science. They are in the possession of Professor Blake, of this city, who will forward them to New York, for examination by the skilled paleontologists of that city.

The Washoe.—The wreck lies at the Third Street Wharf. On Friday, men were employed carrying out rubbish of all kinds from the hold. The stray relics of the terrible disaster, which could be seen scattered about, were such as to cause the most mournful thoughts and memories to steal over the mind. There were hats, and boots, little children's gaiters, ladies gaiters—some of them torn and stained by blood—torn undersleeves, balmoral skirts, rent into shreds, combs, etc. In the rubbish at the spot where the boilers lay, we picked up a fragment of a *femur* bone, about ten inches long, with pieces of flesh still adhering to it. It was placed in the barrow and buried in the bay with bricks and fragments of iron. What a charnel house is the hold of a steamer wrecked by such an explosion.—*Flag.*

Russia gets $20,000 of gold a year from the Ural mountains.

Mechanical Advertisements.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
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CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

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—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
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EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:
Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.
Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

THE ATLAS IRON WORKS,
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STEAM ENGINES, MINING MACHINERY, QUARTZ MILLS, MINING PUMPS, AMALGAMATORS, AND ALL OTHER KINDS OF MACHINERY FOR MINING OR MILLING PURPOSES.
Castings of all kinds,
Furnished. Our new and complete arrangements will enable us to do this kind of work in a superior manner and on the shortest notice.
STEAM ENGINES OF SCOTTS' PATENT,
Can be furnished of any size, and of high or low pressure. These Engines combine so many points of decided improvement in their simplicity of construction, and in the economy of fuel for running them, as to make them superior to all others. One can be seen in operation at the works, where all information respecting them can be obtained.
16v8 THOMAS SCOTT & CO.,

JOHN P. GALLAGHER..... .....JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINOS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.
CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

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Fulton Foundry and Iron Works.
HINCKLEY & CO.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
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ALBANY IRON WORKS,
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THE UNDERSIGNED PROPRIETORS ARE PREPARed to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLEY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL, And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
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qy-3 SAN FRANCISCO.

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MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
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qy29-tf

THE PACIFIC IRON WORKS,
First & Fremont Sts., between Mission & Howard, San Francisco.
The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c., &c. Orders respectfully solicited.
GODDARD & COMPANY.

VULCAN IRON WORKS CO.,
[ESTABLISHED 1850.]
No. 137 and 139 First Street,
IRON FOUNDERS, STEAM BOILER MAKERS AND
STEAM ENGINE BUILDERS.
THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Laths to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.
MACHINERY
Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.
Quartz Stampers, Shoes & Dies,
Warranted to be made of the very hardest and toughest Iron.
RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.
A Published list of the Patterns of these Works will be sent on application.
MANUFACTURERS OF
JONVAL'S TURBINE WATER WHEELS,
The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1867. 13

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.
Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,
It runs Equally as well IN Back Water as OUT.
IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.
Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.
IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON.
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

BLAKE'S
QUARTZ BREAKER
Is now extensively used for breaking hard masses of
QUARTZ OR ORES
to a size suitable for stamps. These machines are patented, and are in practical operation in
CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.
Machines, or circulars containing further information, may be obtained of the undersigned.
BLAKE & TYLER.
706 Montgomery Street, San Francisco.
CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
I-3m

HARRISON'S ECCENTRIC PUMP.
This pump is designed for throwing large quantities of water, either as a wrecking pump, a mining pump, or for irrigation. Its principal advantages are that it is light and compact, very durable and not at all liable to choke or get out of order.
It has no valves and no packing. It is a suction and force pump, and has sucked water up over 27½ feet.
It can run fast or slow, and according to its speed is the quantity of water discharged.
All sizes, capable of throwing from 100 to 5000 gallons per minute. For sale by C. H. HARRISON,
21 Phœnix Oil Works, 517 Front Street, S. F.

J. D. GRUSH, J. A. PEER, W. AUSUMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
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WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ SCROLL SAWING DONE TO ORDER. ☜
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3-3m

Hudson's Improved Pump,
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Plumbing and Gas Fitting in all its Branches.
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Copper Crushing and Grinding.
Attend to all kinds of Grinding & Crushing,
—SUCH AS—
COPPER ORES, MARBLE DUST, FIRE BRICK DUST,
And Feed of all Kinds,
All of which will be Ground at the Shortest Notice.
—ALSO—
California Mineral Paint and Mineral Polishing Powder.
Works—No. 537 Market Street.
San Francisco, January 1st, 1864. 1-tf

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

A Rich Church.—A Baptist writes thus of Dr. Todd's church in Pittsfield Mass.: "On Sabbath mornings, in pleasant weather, Dr. Todd preaches to 1,200 persons, completely filling the spacious house. There are the rich and the intelligent, the grave and the gay. Youth and beauty are mingled with dignity and age. The pecuniary value of that congregation, we are told, is seven millions of dollars, with a corresponding wealth of intelligence and refinement."

To Restore the color of the teeth, dissolve two ounces of borax in three pints of water, and before quite cold add thereto one teaspoonful of tincture of myrrh, and a tablespoonful of spirits of camphor. Bottle and mix for use. One wine glass of the solution, added to a half pint of tepid water, is sufficient for each application. This solution, applied daily, preserves and beautifies the teeth, extirpates tartarous adhesion, produces a pearl-like whiteness, arrests decay, and produces a healthy action in the gums.

Over-eating.—Dr. Hall says: As soon as you are sensible that you have eaten too much, take a walk, gradually increasing its rapidity until there is a free perspiration, and continue at this gait until every feeling of discomfort about the stomach or lungs has disappeared, then cool off very slowly in a closed room, and eat not an atom until the second meal thereafter, thus omitting one.

The Difference.—An exchange commenting upon the various generals that have become noted on both sides during the present war, argues that at the commencement we started out with our poorest generals and the rebels with their best; that every change we have made has been an improvement, and all their changes have placed poorer stock in command.

Preservation of Wood.—The following method is used in Germany for the preservation of wood. Mix forty parts of chalk, fifty of rosin, four of linseed oil, melting them together in an iron pot; then add one part of native oxyd of copper, and afterward, with care, one part of sulphuric acid. The mixture is applied while hot to the wood by means of a brush. When dry it forms a varnish as hard as a stone.

The Lucky Oil Men.—A number of individuals, who have lately become wealthy in oil borings, have purchased fine residences in Buffalo, and others are prospecting for such. The Cleaveland and Erie papers notice purchases of fine homesteads in those cities by the oil men. That barren and sterile region in Western Pennsylvania, so long neglected, promises to send out more millionaires than California with its gold mines.

Lincoln Bugs.—The Prairie du Chien (Illinois) *Courier* says there is a species of bug, about the size of a large bean, doing great damage to vegetation in that section. Whole acres of potatoes are entirely destroyed by this pest. They cover the vines, and destroy everything. These bugs have an "L" on their back, and the farmers call them "Lincoln Bugs." They were unknown before this season.

Quartz Mill for Idaho.—Messrs. Livingston & Hopkins, owners of the Fourth of July and Gambrinus ledges, Idaho, left per steamer Sierra Nevada, for Portland, on Tuesday, taking with them a very superior five-stamp mill, which will be taken through to Idaho direct, and will be set at work on their ledges very soon after its arrival. The mill was manufactured at the Miners' Foundry in this city.

Rhode Island Coal is now successfully used in part with Pennsylvania anthracite in the melting of copper metal and iron pig metal, and wholly in the generating of steam at the Sochanosset Facing Co.'s Works in Cranston. In the melting of iron it makes high soft iron soft; in other words, converts No. 3 iron back to No. 1 iron.

Copartnership Licenses.—The Commissioner of Internal Revenue has decided that under the proper construction of Sections 74 and 79 of the License Law, licenses cannot be granted for lawyers, conveyancers, claim agents, physicians, surgeons, dentists, cattle brokers, horse dealers and peddlers, in copartnership, but that each individual must pay a license fee and take a license for himself.

Fire.—Since Saturday last a terrible fire has been raging in the interior of Marin county, destroying timber and pasturage, and devastating the country generally. It originated on Wheeler's ranch, and spread over Creighton's, White's and other ranches, sweeping everything before it. A considerable number of logs were destroyed at Dixon's mill.

The streets in all the lower part of Charleston, S. C., are said to be knee-deep in grass.

BLASTING

POWDER.

EDWARD H. PARKER,

No. 224 California Street,

Agent of the

Hazard Powder Company.

MINING LAWS AND FORMS.

Third Edition revised and enlarged.

Compiled by H. B. CONGDON.

THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.

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10

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CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.

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Coal Creek Coal Mining Company.

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19-3m

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF OCTOBER, 1864.

Oct. 3—GOLDEN AGE.....Capt. E. S. Fransworth.

At 3 o'clock P. M.

Oct. 13—CONSTITUTION.....Capt. J. T. Watkins.

Oct. 23—SACRAMENTO.....Geo. F. Bradbury.

From Folsom street Wharf, at nine o'clock A. M., punctually.

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,

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1852. 1864.

TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1852.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, The Golden Era is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

The Golden Era is now enlarged by the addition of eight columns to its pages—and presents fifty six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render The Golden Era a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome The Golden Era as a regular weekly visitor.

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THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

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Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

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For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

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SACRAMENTO.

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THE INCREASING BUSINESS OF OUR ESTABlishment, together with the wants of the Trade, have made it necessary to establish a House in the City of San Francisco, where we will be pleased to see as many of our old friends and customers as can make it convenient to call upon us. We shall keep at both places a large and well selected stock of

DRUGS AND MEDICINES,	PAINTS AND OILS,
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DENTAL GOODS,	HERBS AND EXTRACTS,
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SHOULDER & BODY BRACES,	CORKS, large variety;
LADIES' BANDAGES AND	ASSAYERS' MATERIAL,
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GUM ELASTIC STOCKINGS,	PLASTER PARIS,
TRUSSES,	MARBLE DUST,

Together with a large and complete assortment of all Goods kept in a well supplied Wholesale Drug Store.

We respectfully solicit those dealing in our line to examine and price our stock before purchasing elsewhere.

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R. H. McDONALD & CO.,

DRUGGISTS.

Corner Pine and Sansome streets, San Francisco.

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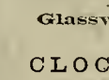

We respectfully invite the attention of the Dental Profession to our large and complete assortment of Dental Goods,

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Gold Foil, Forceps of all kinds, Dental Chairs, Hand and Foot Lathes, Brush Cotton and Corundum Wheels, Pluggers, Scalers, Files.

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Vulcanite material, Vulcanizers, Vulcanite Base and Impression Gutta Percha. A large variety of VULCANITE TEETH, Scrapers and Packers; together with a large and complete assortment of all articles of the latest and most approved styles of Vulcanite Work.

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We keep constantly on hand a supply of all the most approved Standard Works on Dentistry. Our efforts will be to keep a large and well selected stock of all Dental Material, so that the Dental Profession may confidently rely upon having their orders filled in the best possible manner.

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CLOCKS, CUTLERY,

SUPERIOR PLATED WARE, &c., &c.

We offer a Splendid Assortment of the above goods at the

LOWEST RATES.

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1-3m

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the Mining and Scientific Press. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

The *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Scientific and Mining Journal.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

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BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.

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Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. the par value is always required.

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PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,

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SOFTNESS, CLEARNESS AND DELICACY OF TONE

unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.

In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.

"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.

☞ The public are invited to examine specimens at my Gallery. ☜ JACOB SHEW.

6-tf 315 Montgomery street, near Pine.

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,

WHOLESALE AND RETAIL DEALERS

— IN —

JAPAN AND CHINA TEAS,

AND

GROCERIES.

Store fronting on

514 Market & 15 Sutter St.

☞ THREE DOORS ☜

BELOW THE MARKET HOUSE,

San Francisco.

Our Motto, ☞ "Large Sales at Small Profits for Cash. ☜

EMPIRE STATE

RESTAURANT!!!

No. 426 & 428 Sansome Street, between Clay and Commercial, San Francisco.

Meals served from 5 o'clock A. M. to 12 P. M.

STEPHENS & WADHAMS,

1-df Proprietors.

A New and Valuable Book.

PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.

A. ROMAN & CO.,

Booksellers, Importers and Publishers,

ne30-tf 417 and 419 Montgomery street, San Francisco.

SQUARZA'S PUNCH.

FIRST PREMIUM

AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.

ALSO, FIRST PREMIUM

At the San Francisco Bay District Agricultural Fair, 1862.

Manufactory, Wholesale and Retail,

No. 41 Leidsdorff street, opposite the What Cheer House,

12-tf San Francisco.

A NEW IMPLEMENT.—We were shown yesterday morning, says the Virginia *Union* of the 6th instant, a new species of drill which if it prove to be a success for the purpose for which it is intended, is certainly of considerable importance to all concerned in mining operations. It is called "Linscott's Patent Chamber Drill," and intended for enlarging the cavity, or chamber, in the rock, for the powder, after the hole has been drilled in the usual manner. This instrument is some two and a half feet in length, made in the most substantial manner, of iron and steel, with a cutter two inches in length on each side, which, by means of springs, are made to shut themselves within the foot of the drill, and when it is struck on top in the usual manner with a sledge these cutters fly out and enlarge the chamber sideways, to the extent of three inches or more, according to the size of the instrument, and for six inches up and down; thus confining the powder in a more compact and effective body than has ever been done by any other process. The inventor is from Humboldt, where he says he has drilled many holes with it, making it work well in the hardest as well as the softest kinds of rock. May his invention prove a perfect success; for any improvement in mining implements, whereby the work of the miner may be facilitated and made more easy and effective, is certainly most earnestly to be desired. All who are in that line of business should give it a trial, and improve upon it if they can.

ADMIRAL Farragut's position during the engagement in Mobile harbor was in the maintop of his ship. He was lashed to the mast, in order to keep his position in case he was wounded. A speaking trumpet was run down to the deck, and an officer was stationed at the lower end to receive the Admiral's orders and pass them to the person whose duty it was to see them executed. The fleet pilot was also up in the rigging and from there gave his orders.

When it was reported to Admiral Farragut that the rebels had surrendered, and that Buchanan was wounded, he sent a staff officer off to receive the rebel Admiral's sword. Some one asked Farragut if he would not go off himself and see Buchanan. The former merely replied, "No, sir he is my enemy." Subsequently, when the staff officer returned with Buchanan's sword, it was represented to the Admiral that Buchanan had expressed a wish to see him. "Well, sir, he shall not see me," replied the old Salamander. Then looking about the bloody decks of his ship, he added, "I suppose he would be friends; but with these brave men, my comrades, mangled, dying and dead about me, and, looking upon the destruction he has caused in this fleet, I can only consider him an enemy."

G. F. DEETKEN,
MINING ENGINEER.

HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.

Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.

My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 408 Montgomery street. 15-tf

San Francisco, October 1st, 1864.

ATWOOD'S
SELF-REGULATING
WINDMILL.

This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,

SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices.

222 Mission street, below Beale. 15

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

New This Week.

Caledonia Tunnel and Mining Company, Gold Hill District, Nevada Territory. Office, No. 8 & 10, Government House, corner Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Caledonia Tunnel and Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 14th, 1864, at 2 o'clock P. M. of that day.

16-5 J. M. BUFFINGTON, Secretary.

Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of October, 1864, an Assessment (No. 10) of $5 per share was levied on the Capital Stock of said Company, payable on the 20th day of October, 1864, in United States gold coin to the Secretary, E. J. PFEIFFER, at the office of the Company, S. W. Corner Post and Dupont streets.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary.

16-4t Office, S. W. Corner, Post and Dupont Sts.

Dualcl Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment (No. 5) levied on the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W H Weldon	71	20	$6 00
W H Weldon	72	20	6 00
W H Weldon	73	20	6 00
W H Weldon	74	20	6 00
W H Weldon	75	20	6 00
W H Weldon	76	20	6 00
W H Weldon	77	20	6 00
W H Weldon	78	20	6 00
F Sanderson	23	20	6 00
F Sanderson	24	20	6 00
F Sanderson	25	20	6 00
F Sanderson	28	20	6 00
F Sanderson	29	20	6 00
F Sanderson	30	10	3 00
F Sanderson	176	10	3 00
F Sanderson	177	5	1 50
A W Sanderson	51	20	6 00
A W Sanderson	52	20	0 00
A W Sanderson	53	20	6 00
A W Sanderson	54	20	6 00
A W Sanderson	55	20	6 00
A W Sanderson	56	10	6 00
A W Sanderson	57	20	6 00
A W Sanderson	58	20	6 00
A W Sanderson	59	20	6 00
A W Sanderson	60	10	3 00
L F Sanderson	41	30	9 00
L F Sanderson	42	30	9 00
L F Sanderson	43	20	6 00
L F Sanderson	44	20	6 00
L F Sanderson	45	20	6 00
L F Sanderson	46	20	6 00
L F Sanderson	47	20	6 00
L F Sanderson	48	10	3 00
L F Sanderson	49	10	3 00
L F Sanderson	50	10	3 00
J S Morse	167	15	4 50
J Robbins	170	10	3 00
George Salisbury	160	10	3 00
A Thurber	157	10	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Doro & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

JOHN J. SCOTCHLER, Secretary

Office; 204 Front Street, San Francisco, Cal. 16

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 12th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Philips	28	10	2 50
J L Denison	05	5	1 25
F A S Jones	88	25	6 25
F A S Jones	100	10	2 50
C A Fitch	99	10	2 50
D R Sevorance	115	15	3 75
A J Colby	117	15	3 75
F Munson	127	10	2 50
Jos Crary	134	20	5 00
Jas Arthur	135	20	5 00
Jas Arthur	150	5	1 25
H S Elkin	153	10	2 50
C A Johnson	154	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 12th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, No. 526 Montgomery street, San Francisco, on the 29th day of October, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [16-3t

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 10th day of October, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 7th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

G. B. TOWLE, Secretary.

Office, southwest cornor Washington and Stockton streets, San Francisco. 16

Owen's River Canal Company.

FOR SALE, FOR ACCOUNT OF THE COMPANY, 7,000 shares of the above stock, at $1 per share. It is confidently presented to the public as the best investment, for the price, now offered this market.

Office of the Company No. 328 Montgomery street. 1tf

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 5th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
A Hinds	32	50	$25 00
A Hinds	33	25	12 50
A Hinds	34	10	5 00
A Hinds	35	10	5 00
A Hinds	36	5	2 50
N R Lowell	104	100	50 00
Joshua Phelps	109	5	2 50
Ira P Rankin	unissued	100	50 00
John Abul	126	5	2 50
M F Clayton	179	5	2 50
M F Clayton	180	5	2 50
Geo W Dorn	196	20	10 00
Geo W Dorn	197	20	10 00
Geo W Dorn	201	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Doro & Co., 327 Montgomery street, San Francisco, on the 24 day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 16

Ruba Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of October, 1864, an assessment (No. 3) of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to W. M. WILLIAMSON, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on the twelfth (12) day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made, before, will be sold on Wednesday, the thirtieth day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. 16-4

St. Paul Gold and Silver Mining Company, Amador District, Lander County N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessments levied on the 3d day of February and the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
F Clark	certificate not issued	25	$ 25 00
J Garber	21	10	10 00
J Garber	22	10	10 00
J Garber	23	5	5 00
D B Palmer	64	5	2 50
D B Palmer	65	5	2 50
D B Palmer	66	5	2 50
D B Palmer	67	5	2 50
J B Weller	68	5	2 50
J B Weller	69	10	5 00
F Foreman	70	10	5 00
J E Oatman	111	20	10 00
J W Craycroft	113	10	5 00
C P Lott	116	50	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction John Middleton & Son, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 16

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 8th day of October, 1864, an assessment of ten (10) cents per share was levied upon the capital stock of said Company, payable on the 10th day of October, 1864, in United States gold coin, to the Secretary, at his office on Rock Creek.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall shall be made before, will be sold on the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. J. FINDLEY, Secretary.

Office, Rock Creek, Calaveras County. 16-4

Tallulah Mining Company, Sierra District, Humboldt County, Nevada Territory.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the 6th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
W H Cherry	6	20	$290 77
E R Highton	92	14	70 00
E R Highton	93	7	35 00
E R Highton	certif not issued	53	685 00
S C Doan	certif not issued	50	065 50
C Bice	56	50	700 00
C Bice	57	50	706 00
C Bice	58	10	141 20
C Bice	59	10	141 20
C Bice	60	10	141 20
C Bice	61	10	141 20
C Bice	63	20	282 40
C Bice	64	20	282 40
C Bice	65	5	70 60
C Bice	66	5	70 60
C Bice	certif not issued	6½	01 70
C F Ellsworth	47	14	126 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the company, No. 623 Montgomery street, San Francisco, on Tuesday, the 1st day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEO. A. HILL, Secretary,

Office, No. 623 Montgomery Street, San Francisco, Cal. 16

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS.]

THE KOOTENAI MINES.—MINES ON THE JEFFERSON FORK OF THE MISSOURI.—The Walla Walla (W. T.) *Statesman* of 30th September has the following items:

Intelligence from Fisherville, in the Kootenai district, furnishes a brief account of the doings of a redoubtable son of one "Johnny Bull," in the person of Commissioner Haines, who arrived in the mines on the 15th of August. The presence of her Majesty's servant in the mines seems to have created somewhat of a stir among such of the boys as had preconceived ideas of the policy he would pursue in carrying out the laws of British Columbia; this, however, soon gave place to order and quietude. British authority is being exercised over the Fisherville district. Each miner is allowed 200 feet square, and is taxed $5 quarterly for a license to mine, $2.50 of which goes to the Recorder for entering it. A tax of $1 is levied on each animal arriving from this side; for each aparajo, $1.50; for liquor, per gallon, $1.50; for all other commodities, 10 per cent. There is any quantity of mining implements and simple goods in the mines, making prices at comparatively low figures: Flour, 85c. per pound; sugar, from 50 to 60c.; bacon, 60 to 70c. Vegetables were being brought in from the Colville and Walla Walla valleys in great quantities. Onions were worth from 25 to 35c. per pound; fresh beef, 80c.; butter, $1.50; eggs, from $1 to $1.25 per dozen.

A returned miner from the eastern slope of the mountains gives it as his opinion that as good mines as have been found anywhere are on Alder Gulch in the Stinking-water district. This is a branch of the Jefferson Fork of the Missouri river. The mines extend some 15 miles, and are said to be very rich; one day three persons cleaned up about $2,500. The average pay was $25 to $30 per day to the hand; $6 per day was the ruling price for laborers, and as high as $10 for good drifters.

A NEW NAIL MACHINE.—A new nail-making machine—called "Wickersham's"—is being introduced, which promises to work a revolution in that line of business. Three million kegs of nails are now, it is said, yearly manufactured in the United States. Instead of manufacturing one nail at a time, as is done by the machinery now in use, this machine can cut from a twenty-inch iron plate, eighty-two and a half (eight-penny) nails at one blow, and can make four blows per second, thus giving thirty-two nails, headed and pointed, in a second. The same machine will make one hundred and sixty half-inch brads per second—forty at a time, or about thirty-six hundred pounds per day, including all sizes of finishing nails, at a profit of at least four cents per pound. By the old method but one nail at a time is cut. The cost of cutting by this new machine is not over one-tenth that of any other method. Two machines, employing one hand, can make one hundred kegs of eight-penny nails per day. By the old method, two machines, employing two hands, make from two to eight kegs per day, according to the skill of the workmen. One of the large factories with fifty machines produces fifty thousand kegs of nails per annum. Fifty Wickersham machines will make seven hundred and fifty thousand kegs per annum! The nails made are better pointed, too, than by the old method, and have a much greater holding power.

A SURGICAL OPERATION UPON A LION.—A Brussels journal gives an account of a curious surgical operation just performed on the great African lion belonging to the Zoological Society of that city. For some time past the animal has been suffering from disease in the feet, which necessitated the cutting of its claws. In order to do this without danger, a large box was prepared with a grated bottom, covered by a wooden floor, which could be withdrawn, so as to allow the lion's feet to pass between the bars. The top of the box was also made to descend by means of screws so as to press on the animal and prevent it from drawing in its feet. When the lion had entered the box, the latter was turned on its side and the sliding bottom withdrawn. The paws then slipped between the bars and the screws above were tightened. M. Thiemasse, assisted by five pupils of the Veterinary School, then proceeded to cut away the claws. The patient bore the operation tolerably well, only uttering a short roar occasionally, and seemed relieved when the first paw had been cut and dressed. A keeper, to whom the lion is much attached, sat near its head and endeavored to calm it by talking, evidently not without effect. The operation was successfully performed, and there is every reason to believe that the cure will be complete.

PETROLEUM REFINERIES AT PITTSBURG.—The whole number of petroleum refineries at Pittsburg is fifty-eight, with a total capacity per week of 26,000 barrels. Value of real estate, buildings and machinery, $2,534,000; value of oils refined, $8,599,323; wages paid per annum, $350,000.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHICHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. B. CLAYTON

TRUSTEES:

R. S. WHIOHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM F. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jltf

POSTPONEMENT.—The above sale is postponed until Saturday November 5th, 1864. 11

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1. $7.50. No. F. $8.50. No. A. $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use.

Respectfully yours,
JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.
New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

6-tf

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING

At less than half the cost of tin roofs.

READY ROOFING

More durable than Tin.

READY ROOFING

Suitable for steep or flat roofs.

READY ROOFING

For all kinds of buildings, in all climates.

READY ROOFING

Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING

Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.

Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,

Which will often save the cost of a new roof.

Samplesses of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6tf 73 Maiden Lane, N. Y.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Mining Notices.

Advertised in Previous Issues.

Aspinwall Gold and Silver Mining Company, Amador District, Lander County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt. Certificates No. 71, 72, 73, 74, 75, 76 and 77, standing in the name of W. D. Mathenay.

11 JOSEPH HEALY, Secretary.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Location, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees

B. C. AUSTIN, Secretary.

Office, 324 Clay street, San Francisco. 11-4

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Friday, October 28th, 1864, and the sale thereof until Saturday, November 12th, 1864. By order of the Board of Trustees, made on the 13th day of October, 1864.

16 B. C. AUSTIN, Secretary.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 28th day of September, 1864, an assessment of five dollars per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary at his office, or to JAS. B. COFFEY, Virginia City, Nevada Territory.

Any stock upon which said assessment shall remain unpaid on the 1st day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 16th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10, Government House, corner of Sansome and Washington streets, San Francisco, Cal. [14

Cook Gold and Silver Mining Company—Mines located in Esmeralda District.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 17th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Patton	1 2 3—ea 10	30	$7 50
Isabella Mayers	8	5	1 25
Henry Mayers	64	5	1 25
Geo S Soren	10	5	1 25
Jonathan Fine	13	10	2 50
W B Reynolds	15 17—ea 10	20	5 00
W B Reynolds	18	5	1 25
T A Cook	19 20—ea 50	100	25 00
T A Cook	22	20	5 00
T A Cook	20	5	1 25
A Van Fleet	29	25	6 25
R P Johnson	34	55	13 75
James N Booth	43	16	4 00
Benjamin Brudy	45	10	2 50
H Crowell	46	5	1 25
E Pruitt	49 76—ea 10	20	5 00
J R Truitt	51	5	1 25
W B Reynolds	54	5	1 25
J W Cook	60	5	1 25
B Ellis	70	5	1 25
J J May	74	5	1 25
A C Dodge	75	5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 17th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, Californ on the 15th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, 302 Montgomery street, San Francisco. 14-2t

Dashing Wave Gold and Silver Mining Company.

Loomis Gold and Silver Mining Company.

Walker Gold and Silver Mining Company, Amador District, Lander County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 28th day of September, 1864, an assessment of 25 cents per share was levied upon the capital stock of each of said Companies, payable on the 29th day of September, 1864, in United States coin, to the Secretary at his office, or to FRANCIS CLARK, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 14th day of November, 1864, at 12 o'clock M., to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. HOLLIS, Secretary.

Office, No. 302 Montgomery street, San Francisco, California. 14

El Dorado Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 24th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

No. 430 Montgomery street, San Francisco. 14-4t

Evoca Consolidated Copper Mining Company, Court Hill, or Evoca District, near Black's Ferry, Del Norte County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 5th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W F Williamson	14	112	$28 00
W F Williamson	15	112	28 00
F Collier	21	112	28 00
William H Bernard	186	56	14 00
R J Vanderwater	67	12	3 00
R J Vanderwater	68	50	12 50
R J Vanderwater	69	50	12 50
George F Parker	104	112	28 00
Charles E Abbott	216	207	51 75
William Hamell	177	50	12 50
George Treat	196	50	12 50
J J Robbins	209	152	38 00

And in accordance with law, and an order of the Board of Trustees made on the 5th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 537 Washington Street, San Francisco, Cal., on Monday the 24th day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHARLES E. ABBOT, Secretary.

Office, 537 Washington street, San Francisco, California 15-3t

Illinois Gold and Silver Mining Company, El Dorado Canon, Arizona Territory.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 31st day of August, 1864, and previously, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
David Jones	1	30	$60 00
David Jones	2	10	20
David Jones	3	10	20
Wm Jenkins	4	25	50
Wm Jenkins	5	25	50
Olive E Turney	6	15	30
Moses Davis	8	10	20
L S Montague	10 to 19—ea 10	100	200
L S Montague	20 to 39—ea 5	100	200
Ralph Reamer	40	10	20
Ann L Wilder	43	35	70
John King	46 47	48	25 50
Henry Hammel	49 50	51	25 50
Wm A Hobbs	52	53	50 80
Wm P Hanna		56	40 80
Jacob Carpenter		57	40 80
F M Cuddy		58	40 80
L S Strode		59	40 80
T L Howe		61	20 40
George Reca		63	8 16
C L Johnson		67	10 20
L S Strode		70 -	12 24
F A Wilder		71	40 100
O Huckins		72	5 10
J H Hall		73	5 10
L S Strode		74	10 20
J P O'Connell		75	10 20
W N Williams		76	4 10
George Rees	77 78	70	97 194
H K Porter		82	83 40 80
Wm M Davis		84	85 64 128
W D Edwards		86	5 10
John G Williams		87	5 10
John E Williams		88	5 10
Wm Jenkins		89	90 10 20
L S Strode			95 100 200
F M Cuddy		97 98	99 278 556
John Jones		not issued	101 45 90
I. Richardson		not issued	5 10
W B Derol		not issued	100 200
John C Hay, ass'ts 1 & 2,		not issued	45 135

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold by the undersigned, at public auction, at the Company's office, No. 528 Clay street, San Francisco, Cal., on the 17th day of October, 1864, at the hour of 12 o'clock M., said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

B. W. MUDGE, Secretary

Office, No. 528 Clay street, San Francisco, Cal. 14

Jesus Maria Trading and Mining Company, Sonora, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 30th day of July, 1863, and on the 17th day of August, 1863, October 12th, 1863, December 17 and February 23, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
James Baldwin	10	25	$31 25
Jose Incinas	2	25	68 75
Francisco Terminall	3	25	68 75
John S Brander	82	125	18 75
Alex T Dupignac	1	25	68 75
R R Stain	11	25	25 00
G A Altman	12	25	31 25
John D Hogan	60 to 66	57	9 60
William Barry	11 to 15	250	31 25
Henry Smith	78 to 81	250	31 25
Michael Keelaher	19	25	31 25
Wm Hewer	18	25	31 25

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No 35 Metropolitan Block, on the 9th day of November, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. D. GALLAGHER, Secretary,
15-4 Office, Room Third Floor, 35 Metropolitan Block.

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Township No. 8, Calaveras County, California.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of Forty Cents per share was levied upon the Capital Stock of said Company, payable immediately, to the Secretary, at the office of the company, No. 540 Clay Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 8th day of November, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Monday the 28th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.

Office, No. 540 Clay street, San Francisco. 15-4

Kenkak Gold, Silver and Copper Mining Company. Location, Clayton Mining District, Contra Costa County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of ten cents per share was levied upon the Capital Stock of said Company, payable on the 8th day of October, 1864, in United States gold coin to the Secretary at his office, or to J. W. CASSIDY at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 5th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.
15-4t Office, No. 322 Front Street, San Francisco.

Lancaster Gold and Silver Mining Company, Location, Dunn, Lyon County, N. T.

Notice.—There are delinquent upon the following described stock, on account of assessment levied of fifty cents per share, on the 11th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No Shares.	Amount.
R Kirk	1	35	$18 00
R S Dumont	31 to 34	40	20 00
G Percival	19 to 25	80	40 00
R Brown	62	40	20 00
E P McKrea	66	40	20 00
Wm Curry & D Jones	26	40	20 00
J Armitage	8	40	20 00
B Watkins	155	20	10 00
S Blasdell	117 to 119	6	3 00
H Robinson	59 to 61	3	1 50
Thos Brannan	67	7	3 50
M Prendeville	80	1	50
F Hall	96	2	1 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 26th day of October, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.
Office, No. 302, corner Montgomery & Pine streets. [5

Mammoth Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 24th day of September, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin, to the Secretary, or to E. B. CURTIS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.
Office, 430 Montgomery street, San Francisco. 14-4t

Mechanics' Gold, Silver, and Copper Mining Company, Clayton Mining District, Contra Costa County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 27th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
Geo Wall	441	25	$1 25
Geo Wall	442	25	1 25
J Cerf	42	25	1 25
J Cerf	43	25	1 25
J Cerf	47	50	2 50
A W Hobbs	63	25	1 25
A W Hobbs	133	25	1 25
C S Hobbs	62	25	1 25
G H Nagle	7	50	2 50
E Stratton part	113	10	50
E Stratton	114	20	1 00
J H Turney	126	200	10 00
J S Leyford	176	25	1 25
J S Leylord	177	25	1 25
Chas Perry	182	25	5 00
N R Lowell	170	100	5 00
N R Lowell	171	100	5 00
R M Buckus	102	50	2 50
L E Morgan	424	25	1 25
L E Morgan	408	200	10 00
Daniel Winter	186 187—ea 50	100	5 00
Daniel Winter	188 189—ea 25	50	2 50
Daniel Winter	190	25	1 25
Daniel Winter	191	25	1 25
E A Atwood	201	10	50
E A Atwood	202	10	50
E A Atwood	381	50	2 50
Thos Day	204	100	5 00
Miss A Gee	247	10	50
Geo F Russell	246	40	2 00
J S Filbop	272	100	5 00
A F Hinchman	285	50	2 50
A Farrar	300	20	1 00
G Burgess	316	20	1 00
G Burgess	317	30	1 50
A Sinderman	319	50	2 50
A Sinderman	320	25	1 25
A Sinderman	459	25	1 25
A W Stratton	350	100	5 00
A W Stratton	351	100	5 00
I M Blood	357	15	75
G W Fairchild	385	5	25
J De Groff	365	10	50
G W Morgan	368	100	5 00
Benj Cox	375	10	50
J B Reinhart	384	25	1 25
G M Smith	414	25	1 25
Geo Walcom	448	35	1 75

And in accordance with law and an order of the Board of Trustees, made on the 24th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, on the 8th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. B. WINEGAR, Secretary.
Office, 322 Front street, San Francisco. 13

POSTPONED.—The above sale is postponed until Saturday, the 15th day of October, 1864, at the same hour and place. By order of the Board of Trustees.

14 A. B. WINEGAR, Secretary.

Notice of Dividend.—Office Crescent Quartz Mining Company, Indian Valley, Plumas County, California, Sept. 20, 1864.

At a meeting of the Board of Trustees of the Crescent Quartz Mining Company, held this day, a Dividend of Fifty Dollars per share was duly declared, payable October 1st, 1864, at the office of I. GLAZIER & BROTHER, 311 Clay street, San Francisco, or at the office of the company, Indian Valley, Plumas county, California.

14w2 d-1 W. A. BOLINDER, Secretary.

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, estate,	not iss'd	22 2-3	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, F D	not issued	144	72 00
Fido, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Hobbin, P L	62	10	5 00
Locke, Thos 73 74 75	70 77	80	40 00
Payne, S S	9	5	2 50
Richardson, S	10 20	20	10 00
Tanner, O	8	2	1 00
Whitton, M S	bal	7½	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Ilyson, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.
Office, No. 430 Montgomery street, San Francisco. [14

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 411 Clay street, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CEO. L. FAULKNER, Secretary.
Office, No. 411 Clay street, San Francisco. 15-4

Providence Gold and Silver Mining Company, Works at Nevada County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 16th day of September, 1864, an assessment of one ($1) dollar per share was levied upon the Capital Stock of said Company, payable immediately, in United States Gold Coin, to the Secretary, at his office, No. 8 and 10 Government House, Corner of Washington and Sansome Streets, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on the Twenty-Second day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, November 5th, 1864, at 12 o'clock M. to pay the delinquent assessment, together with costs of advertising and expenses of the sale.

12 J. M. BUFFINGTON, Secretary.

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parrinton	11	10 2 3	50
R C Jacobs	32, 137	39 1 3	119
J J Corrigan	153	31	93
J F Borland	80	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Philips	54, 55, 56 60	67, 68	38 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	3	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Elson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1 3	25
J D Thompson	152	25	75
W J Leland	86, 94	5 1-2	10
Gilbert Palache	99, 100, 145	29 2-3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Mooro	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
K C Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	84
Mrs Ann B Davis	122	2	6
O F Tibbetts	120	8 1 3	25
S C Peck	128	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	100	1	3
Mrs P J Adams	107	3	9
A H Hagadorn	168	8 1-3	25
Wm A Soblett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.
8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Red, White, and Blue, Gold and Silver Mining Company—Mines located in Esmeralda District.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 26th day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T F Potter, Jr	104 105 103—ea 10	30	$15 00
T F Potter, Jr	100	5	2 50
M D Plummer	108	50	25 00
M D Plummer	106	10	5 00
L M Plummer	109	5	2 50
C M Williams	141	10	5 00
F T Esen	153	10	5 00
Geo Esen	154	10	5 00
T L Bibbins	172	25	12 50
John Hill	242	25	12 50
J K S Latham	178	10	5 00
Arnold Lindan	182	19	5 00
A Toopley	183	10	5 00
R D Chandler	201	5	2 50
W B Bourn	191	53	26 50
W B Bourn	192	37	18 50
E W Linsley	210	10	5 00
H B Forrester	204	15	7 50
Thomas Cooke	205	10	5 00
John Harding	207	20	10 00
William Fleming	217	50	25 00
William Fleming	238	4	2 00
Geo S Ingersoll	219	10	5 00
G Chauvu	220	10	5 00
W B Gleason	224	2	1 00
C Richter	225	2	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Jerome Rice & Co., No. 327 Montgomery street, San Francisco, California, on the 15th day of October 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.
Office, 302 Montgomery street, San Francisco, Cal. [14-2t

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately in United States Coin, to the Secretary in San Francisco, or JOHN FRICKER, Superintendent, in Mariposa.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 7th day of November, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

A. BUETELL, Secretary.
Office, 205 Battery street, and corner of California street, San Francisco. 14-4t

Rose Lluda Mining and Manufacturing Com pany, Mokelumne Mining District, Alpine co., California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 30th day of August, 1864, (of 60 cents per share) the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J D Bristol	19	25	$15 00
E E Cannon	18	20	12 00
Mrs L O Hodgekins	not issued	50	30 00
Benj F Fish	13 14 15—ea 10	30	18 00
Benj F Fish	16	20	12 00
E D Farrington	not issued	50	30 00
Jos Shepard	not issued	50	30 00
J W Crosley	25	50	30 00
Daniel Corham	55 56—ea 25	50	30 00
W D Beardsley	not issued	25	15 00
M Cohen 20 21	22 23 24—ea 10	50	30 00
P S Fogg	not issued	50	30 00
A Kolman	40 50—ea 10	20	12 00
A Kolman	51	5	3 00
Geo Palmer	52	5	3 00
J H Fish 8 9 10 11	12—ea 10	50	30 00
C C Culvert	not issued	25	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 30th day of August, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Monigomery Street, on Monday, the 10th day of October, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale

HENRY HALE, Secretary.
Office, No. 522 Clay street, San Francisco. Sept. 30, 1864. 14-3

POSTPONEMENT.—By order of the Board of Trustees, the above sale is postponed until Thursday, October 20th, 1864, when said delinquent stock will be sold to pay assessments and costs, as above, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, at 12 o'clock M.

HENRY HALE, Secretary
San Francisco, Oct. 8, 1864. 15

Scott Mining and Exploring Company, Hum boldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice is hereby given, that at a meeting of the Board Trustees of said company, held on the 28th day of September, 1864, an assessment of 33⅓ cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company.

Any stock upon which said assessment shall remain unpaid on the 8th day of November 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 23d day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees. V. B. POST, Secretary.

Office, N. E. Corner of Monigomery and Jackson street, Room No. 15. 14-4

Simpson & Russelle Mining Company—Mines Located in Carson Valley Mining District

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment of 30 cents per share was levied upon the Capital Stock of said Company, payable on the 26th day of September, 1864, in United States gold coin, to the Secretary, at his office, or to Du. J. W. WATERS, at Markleeville, Alpine County, California.

Any Stock upon which said assessment shall remain unpaid on Saturday,. the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

T. L. BIBBINS, Secretary.
Office, No. 302 Montgomery street, San Francisco. [13-4t

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to JOHN MOFFET, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODGE, Secretary.
Office No. 406 Front street, San Francisco, Cal.
September 20th, 1864. 13-4t

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 22d day of August, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	Total.	Amount.
Bardsall, J M, 283 of 500 shs 574 of 200 shs, 371 of 100 shs, 575 of 50 shs, 588 of 24 shs, 192 of 15 shs—total 880 shares		$111 12
Brennan, James, no 406 of 200 shares		25 00
Brennan, James, no 591 of 300 shares—bal due		11 83
Cosgrove, P C, no 133 136 of 5 ea—10 shares		1 25
Cerf, Estelle, no 131 of 25 shs, 280 of 3 shs—28 shs		3 50
Church, J H no 124 of 10 shs, no 330 of 1 share—total 11 shares		1 37
Curie, J F, no 104 of 20 shs, no 337 of 3 shs—total 23 shares		2 87
Carr, Mrs A L, nos 211 212 571 of 5 shs ea, no 310 of 1 share—total 15 shares		2 00
Coffin, Geo F, no 472 of 5 shares		2 50
Donnolly, Thos, no 507—35 shares		4 37
Everett, A P, no 377—10 shares		1 25
Wm Hazeltine, nos 38 159 160 of 10 shs ea, 161 102 103 164 160 304 of 5 shs ea, 225 of 8 shs, 420 of 34 shs—total 102 shs		12 75
Himrod, O W, nos 60 61 62 63 64 of 10 shs ea, 237 of 7 shs—total 57 shares		7 12
Hoyt, Elijah, no 213 214 of 5 shs ea, no 309 of 1 share—total 11 shares		1 37
Hyde, R E, no 370 of 100 shs, no 390 of 41 shs—total 141 shares		17 62
Hardinge, Emma, no 321 of 25 shares		3 12
Kirby, R E, no 460 of 25 shs, 494 of 20 shares—total 45 shares		5 62
Kellou, S B, no 492 of 10 shs, 498 of 17 shares—total 27 shares		3 37
Langdon, Dr S, 173 174 175 176 of 20 shs ea, 222 of 50 shs, 242 of 11 shs—total 141 shs		17 62
Mansfield, J W, no 327, 10 shares		1 25
McMillan, Dr R, nos 173 of 10 shs, 287of 15 shs 284 of 140 shs, 491 of 25 shs—total 290 shs		30 25
Meeks, Washington, no 581 of 10 shares		1 25
Page, Nath'l, nos 13 of 50 shs, 46 of 200 shs, 67 of 100 shs, 320 of 45 shs—total 375 shares		46 87
Pinch, J F, nos 520 518 of 50 ea—total 100 shs		12 50
Rosekrans, H, nos 271 of 10, 454 of 50 shares		7 50
Rider, Wm M, no 502, 10 shares		1 25
Reis, J C, no 552, 10 shares		1 25
Stewart, J M, 21 of 50, 209 of 7 shares		7 12
Smith, Capt Jas S, 295 of 19, 469 of 10 shares		8 02
Slocum, W N, no 490 of 52 shares		6 50
Steen, Jos, no 570 of 25 shares		3 12
Tennent, Thos, no 593 of 57 shares		7 12
Thomas, Capt R T, 396 of 14 shares		1 75
Winship, Edward, 330 of 6, 525 of 25, 533 of 50 shs—total 81 shares		10 12
Winter, Gabriel, 440 of 30 shs, 441 of 33 shs		7 87
Wilson, Elizabeth M, 473 of 20 shares		2 50
Watkins, C E, no 572 of 13 shares		1 62
Waldron, Mrs A, no 587 of 15 shs		1 87

And in accordance with law and an order of the Board of Trustees, made on the 22d day of August, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Cobb & Sinton, 406 Montgomery street, San Francisco, on Monday, October 10th, 1864, at one o'clock, P. M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale, unless previously paid.

J. A. RAWSON, Secretary.
Office, No. 338 Monigomery street.
September, 30th 1864. 14-2t

POSTPONEMENT.—The above sale is hereby postponed until Thursday, the 20th day of October, 1864, at the same place and hour. By order of the Board of Trustees.

15 4 J. A. RAWSON, Secretary.

Table Mountain Copper Mining Company, Stan- islaus District, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment (No. 6) of one dollar and sixty-five cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, or to J. M. PIKE, Superintendent, Copperopolis.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale.

Ordered that a deduction of Fifteen Cents per share be allowed on all payments made before September 29th, 1864 By order of the Board of Trustees.

M. G. ELMORE, Secretary
Office, No. 621 Clay street.
San Francisco, September 19th, 1864. 13-4t

United States Mining Company, Virginia Dis- trict, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of September, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, or to J. B. COFFEY, Virginia, Nevada Territory

Any stock upon which said Assessment shall remain unpaid on Monday the 31st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday the 16th day of November, 1864, at 12 o'clock M., to pay the delinquent assesment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Rooms No. 8 & 10 Government House, corner of Sansome and Washington sts., San Francisco, Cal. 14

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

EXPANDING THE LUNGS.—Step out into the purest air you can find; stand perfectly erect, with the head and shoulders back, and then fixing the lips as though you were going to whistle, draw the air through the nostrils into the lungs. When the chest is about full, raise the arms, keeping them extended, with the palms of the hand down, as you suck in the air, so as to bring them over the head, just as the lungs are quite full. Then drop the thumbs inward, and after gently forcing the arms backward, and the chest open, reverse the process by which you draw your breath, till the lungs are entirely empty. This process should be repented three or four times during the day. It is impossible to describe to one who has never tried it the glorious sense of vigor which follows the exercise. It is the best expectorant in the world. We know a gentleman the measure of whose chest has been increased some three inches during as many months.

NEW INFLAMMABLE GAS.—It is stated that during some experiments made some time ago by M. M. Bluff and Wohler, upon electrotypic decomposition, they employed a plate of the metal aluminum as the negative terminal of the battery for the decomposition of water, and as soon as the electric current was established they were surprised to find that instead of pure hydrogen gas being involved, as is usual with a platinum plate, a gas was evolved, which inflamed spontaneously. Upon investigation, this gas was found to be composed of hydrogen and silicon, the latter being an impurity in the aluminum plate. Several processes have recently been adopted for preparing this gas. Silicated hydrogen and the silicate of magnesia are found to furnish the best materials for producing it.

MINING ACCIDENTS IN GREAT BRITAIN.—In 1863 there were 907 deaths caused by accidents in and about the mines of Great Britain, 226 less than in 1863. 163 of the deaths were caused by the explosions of fire-damp, 407 by falls in mines, 147 by accidents in shafts, 134 by miscellaneous underground accidents, and 56 by accidents at the surface. There were also in 1863, 91 deaths caused by accidents in and about the inspected ironstone mines of Great Britain, 14 less than in 1862. In South Wales, one life was lost to every 45,390 tons of coal raised, and that has been about the average of the last eight years. In Scotland the deaths are as low as six per 100,000 tons raised.

TORN BY A GRIZZLY.—Thomas Smith, who resides on the Pajaro river, was terribly torn by a grizzly, while out hunting, on Friday of last week. He fired upon the animal, which turned upon him and caught him by the heel as he was endeavoring to climb a tree, and pulled him down. After severely biting and tearing Mr. Smith, the animal went off some fifty feet, hut returned and again hit him about the shoulder and arm, and then departed. Mr. Smith was found in this mangled condition by his companions, who took him to his residence, where he is now undergoing medical treatment.

RED Sealing Wax of good quality is made by carefully fusing a mixture of 48 parts of shellac, 19 of Venice turpentine, and one of Peru balsam, to which 32 parts of finely levigated cinnabar and some sulphate of lime are afterwards added. In the cheaper kinds red lead is substituted for the vermillion, and there is much common rosin, which causes the wax to run into thin drops when melted. Black sealing wax is made of 60 parts of shellac, 10 of Venice turpentine, and 8 of finely levigated ivory-black.

A NEW PROJECTILE.—A British officer has made what the English speak of as a valuable discovery in artillery. It is termed "chilled shot," i. e., shot cast in cold sand moulds instead of hot iron ones. These projectiles, large enough for 100-pounders, pass through the target solid, and then split into minute fragments of four or eight ounces, dealing death around like shell. They cost, moreover, two shillings instead of fifty shillings, English money.

ISTHMUS OF SUEZ.—The canal, which has for some time been in construction, from Ismailia to Port Said, has been completed, and fresh water is now furnished across the line of the desert, as well as at this important port.

A BEAUTIFUL IDEA.—An Indian philosopher being asked what were, according to his opinion, the two most beautiful things of the universe, answered: "The starry heavens above our heads, and the feeling of duty in our hearts."

THE disbursements of the Federal Government on the Pacific Coast, for the four years ending August 31st, amount to $13,418,892.

THE great Sanitary Cheese was forwarded to New York by the steamer Constitution which sailed Thursday.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the models and records there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, although it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and sought for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under it entitles the party filing the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the amount of labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of procuring their patent rights prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success before further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first instalment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the status of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 y'rs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunc tion from the Court, to the arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

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We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,
Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

A MAGNIFICENT
LITHOGRAPHIC VIEW
OF THE
Mechanics' Fair Pavilion.
PUBLISHED AND SOLD BY
DEWEY & CO.,
GEORGE H. BAKER, Artist.

At the office of the "Mechanics' Fair Daily Press," entrance nave of the Pavilion, and at the office of the Mining and Scientific Press, corner of Washington & Sansome streets.

☞ *READ WHAT OTHERS SAY OF IT.* ☜

MECHANICS' FAIR PAVILION.—We have received from Dewey & Co., Patent Agents and publishers of the SCIENTIFIC PRESS, Government House, corner of Washington and Sansome streets, a finely executed lithographic view of the Mechanics' Industrial Fair Pavilion, on Union Square. The picture is mathematically correct in proportion, and will be valuable hereafter as a souvenir of the greatest industrial exhibition ever held in our city.—"Daily Alta."

We are indebted to the publishers of the MINING AND SCIENTIFIC PRESS for a copy of a very excellent engraving they have issued of the Fair building and the Fair grounds.—CALIFORNIAN.

LITHOGRAPHED.—The Mechanics' Fair building has been pictured in good style, by George H. Baker. We acknowledge the receipt of a copy. DEWEY & Co. are the publishers.—CALL.

VIEW OF THE MECHANICS' INSTITUTE PAVILION.—MESSRS. DEWEY & Co. have published a lithographic view of this building. Size, 12 by 19 inches. The workmanship does credit to Geo. H. Baker, the Lithographer. The dimensions of the Pavilion are 375 feet in length, breadth 220 feet; dome 108 feet high and 100 feet diameter, the area being 55,000 square feet. P. J. O'Connor Esq., is the Architect. We hope the sheet will prove highly remunerative.—ARGUS.

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it wicked.)—*Red Bluff Independent.*

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Personal.

THE JOHN McCOMB OF THE "ARGUS" NEWSPAPER, is Nor the undersigned, who has no taste for publishing that kind of a sheet. During my fifteen years residence in California I have always been identified with the Printing business, and many of my friends have made the natural mistake which I find necessary thus to correct.
JOHN McCOMB.
16-3t* Foreman "Alta California" Office.

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TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to
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At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
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SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite ends other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current centrally on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by
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STEEL! STEEL!! STEEL!!!
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The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardyng. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY,
Agent, Government House, San Francisco. 15-tf

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

Mining and Scientific Press.

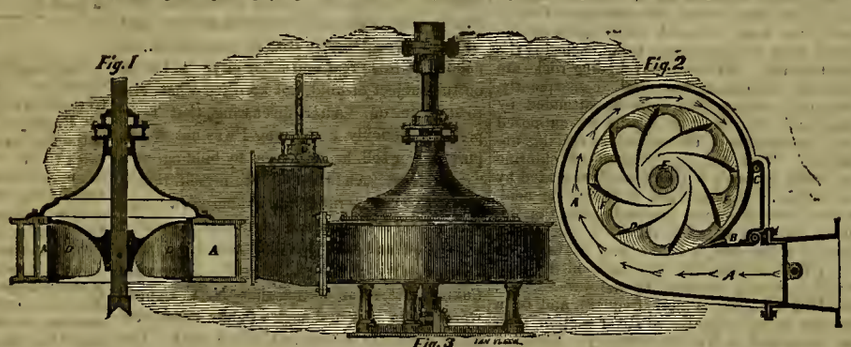
A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, OCTOBER 22, 1864. | VOLUME IX. Number 17.

TYLER'S IMPROVED WATER WHEEL.

We subjoin both a perspective and a sectional view of Tyler's celebrated Improved Water Wheel, which is now in quite general use all over the eastern portion of the Union, and which is also on exhibition at the Pavilion in this city. Messrs. Smith & Hanscom, at the Golden State Iron Works, have purchased the patterns of this wheel, made expressly for this Coast, and are now prepared to receive orders for their manufacture in any required number, and of all sizes.

Parties having water privileges, and desirous of putting up a good and reliable wheel, will do well to examine this one, which is capable of doing all kinds of work, under all heads, from 3 to 80 feet. The wheels are made entirely of iron, are complete in themselves, and turned out from the shops in such perfect order that any ordinary mechanic can easily put them in place, thereby avoiding much expense involved in the setting up of most wheels in use. This wheel was invented by John Tyler, of West Lebanon, N. H., and has taken a high stand among the water motors of the Atlantic States. These wheels are extremely simple in their mechanism, and it is claimed that they possess great freeness from liability to choke up, thereby rendering them especially desirable for use in localities where the water may be muddy. The patterns in possession of Messrs. Smith & Hanscom, and from which the wheels on this Coast are to be made, have been prepared with the greatest care, under the personal supervision of the patentee.



The manufacture of these wheels in the East gives employment to a large corps of efficient mechanics, yet notwithstanding this fact, the patentee is unable to supply the wheels as fast as orders are received. We speak of this invention confidently because we personally know its established reputation and complete practicability.

For further information, persons interested should apply personally, or by letter, to Messrs. Smith & Hanscom, at the Golden State Iron Works, Nos. 21 and 23 First street, in this city.

REPORT ON MINERALS.—In another column will be found a full and interesting report upon the Mineral Exhibition at the late Fair of the Mechanics' Institute. It has been prepared with much care by Prof. Wm. P. Blake of this city, and will be read with much interest. This is the first full publication of a Report of any committee of the Institute which has yet appeared. We shall continue the publication of these reports from week to week, until the entire list is completed—giving each report in full, and officially.

A QUANTITY of heavy machinery is now in process of construction at some of the great iron works of Paris, designed for working some of the old Mexican mines.

More Light on the Whitman Mine.

THE WHITMAN LEDGE.—The Virginia *Union* comments severely upon the management of the Whitman Company, on this ledge. The ledge is found well-defined, continuing through the original location. The ore was found, by actual working test, to be good. Thereupon all holds were let go, and active operations suspended just when they could have commenced to be profitable. The *Union* says: "It can be proven, upon pretty good authority, that since the mine has turned out to be a 'good thing,' a regular instituted 'freezing out' game has been engaged in, for the purpose of concentrating the stock in the hands of an avaricious and unscrupulous few, which is highly detrimental to the interests of all stock holders of limited means. Well, a better order of things may some day be brought about, and the Whitman take its legitimate place among the good paying mines of the day. Let the stockholders still 'live in hope, if they die in despair.'" A similar policy seems to rule in the management of the Roger Sherman—the second location on the Whitman ledge. It was located in 1860, and worked steadily for something more than a year. Then work was temporarily suspended, for want of funds. The tunnel was closed, however, and notice given that no abandonment was meant. A party taking the name of "the Orion" entered upon the ledge, and commenced taking out ore. Instead of procuring the services of the Sheriff of Lyon county to forcibly and summarily eject the trespassers, a long suit was brought. It has been in court about eighteen months, and seems likely to be there continued indefinitely. All for want of good sense and the proper spirit in the management.—*Exchange.*

The above substantially corroborates the following significant prophecy which appeared in the MINING AND SCIENTIFIC PRESS of May 7th 1864:—

MESSRS EDITORS:—Considerable has been said concerning the Whitman mine in our sister district, and, to all appearances, it is a failure; but I assure you that the Whitman is only passing through the same refining process that every mine of value has been subjected to in the Territory. I do not hold a foot of stock in the company, nor have I a friend that does, to my knowledge. But let me advise all concerned to hold on to their stock. I can have no object in this other than to advise those concerned for the best. I am living here, and understand the whole arrangement, and I know the mine to be rich. There is a large amount of the ore at the mine, at this time, that will work $1,000 per ton. The mill, it is said, will start again in a few days. It may make another failure; but if it does I assure those interested that it will not be on account of the inferior quality of the rock, but for some other purpose. Why is it that somebody, who had considerable to do with the mine, is buying all the stock he can get his hands on, at this time?

COMO, N. T., April 28, 1864.

Novel Mode of Manufacturing Ice.

It is stated, on pretty good authority, that there is a novel mode of manufacturing ice employed by the natives of some portions of Bengal, which, if correctly stated, might perhaps be turned to convenient if not profitable account in other localities. The process is founded upon the well known principle of the conduction of heat or the creation of cold by evaporation. In the region alluded to (on the banks of the Ganges), the cold is so slight that a fire is not needed, for other than culinary purposes, more than six weeks of the year. Ice is there produced, in considerable quantity, after the following manner: A pit is dug in the earth, in the bottom of which straw is spread; upon this straw open vessels, made of burnt clay, of a slightly porous nature, are placed. After sundown these vessels are nearly filled with water, and into each one, beside the water, a small piece of ice is thrown. Before sunrise, the next morning, nearly all the water which has been placed in the vessels is frozen solid, notwithstanding the surrounding atmosphere is much above the freezing point. A small portion of the water percolates through the walls of the vessel and passes off, by evaporation, either from the outside of the vessel or from the straw upon which it is placed. The ice is produced by the extraction of caloric from the water by the process of evaporation.

The same principle is elsewhere employed for the ordinary purposes of refrigeration. On the coast of Coromandel, where the heat is almost intolerable, and no ice can be procured, except by importation, the water for drinking purposes is cooled after the following manner: A slightly burnt earthern vessel is filled with water, a wet cloth wrapped around it, and the vessel set in the open air; the extreme heat produces a rapid evaporation, and the moisture of the cloth is kept up by the slow infiltration of the water through the sides of the vessel, thus extracting sufficient calorie from the water as to make it very palatable, even in the hottest weather of a tropical climate.

THE VALLEY OF DEATH.—It is said that upwards of 150,000 persons have perished in the Shenandoah Valley since the breaking out of the present rebellion. It is well that Sheridan should make a desert of that region, so that the armies of neither side can be subsisted in that valley of death.

[Written for the Mining and Scientific Press.]

The Chlorides of the Great Basin—A New Theory.

EDITORS MINING PRESS:—In a recent number of the PRESS, I notice, under the heading of "The Formation of Chloride Ores," an extract from a lecture delivered at Austin, N. T., and endorsed with the sentiment that the theory "appears to be quite satisfactory, and will doubtless be generally accepted as correct." Against such an opinion allow me to appeal, for I believe the said theory to be less plausible than would be the assertion that mankind are singed apes, owing their metamorphosis to a volcanic epoch.

We are told that the learned Professor decides that the Great Basin of Nevada was once a vast sea of intensely salt water, heated and boiled by volcanic fires, and that the chloride ores of Reese River are the result of this grand operation. It is a wonder to me that the learned gentleman did not introduce the flood into his huge boiling cauldron, as a suitable accompaniment, and then add, as a compensation of nature, that the final conflagration of the world will only be a further desulphurizing and reducing process for the benefit of the joint stockholders in eternity. This would have developed a much needed opening for Eastern investments, in the expectations of futurity. What little knowledge I have gained as a humble student of Nature, has taught me that it is highly unphilosophical to refer to more than a few of its phenomena, even among those of the grandest scale, to causes outside of those already existing and in operation, particularly where the more simple action will serve to explain all anomalies. Those anxious efforts to league every natural exertion or efflorescence of matter with some monstrous spasm of the past, reminds me of the philosophers immortalized by Butler, the author of "Hudibras," who, in the intruding mouse and gnats of their telescope, saw elephants and armies deploying on the surface of the moon.

In the description of the *modus operandi* of the chlorination of the silver sulphurets we are told that salt is one of the necessary elements, and that heat is also required to create chemical action between the sulphurets of silver and the chloride of sodium, and, because there is evidence of former eruptive action and present internal heat throughout the Great Basin, that, therefore, the whole country was once a huge soup-pot, wherein silver ores were done to a turn, cooked tender and ready for modern dressing. I think that I can precisely imagine the epicurean avidity with which the antediluvians awaited the subsidence of the steaming contents of the Great Basin; how they sent their stentorian voices ringing down the odorous valleys with calls for "chloride chowder," "stuffed iodides," "bromide pudding," and "sulphurets on the half-shell!" No wonder that many a small fortune has since been *dished* in the same locality. The lodes themselves, it seems, were merely par-boiled—the hot water, by some curious freak, only finding its way to the depth of forty feet, the average line of the present upward flow of much deeper reservoirs of cold water. Considering the evident cruelty of soaking the delicate feet of the Reese River lodes in hot water for the benefit of their corneous collections, one can fancy them exclaiming with the man whose

shrewish wife exhibited the warmth of her affections in a shower of hot water, "for all previously conferred callous spots and a less area of pain, let us be thankful."

Now let us look at the case in its true light. No great distance intervenes between the points where chloride ores occur, and the saliferous gypsums yielding those saline deposits in the valleys below them, known as salt beds. The same geological strata occupy a broad belt between the parallels of Walker and Reese rivers, though not everywhere in place, nor close to the Reese River mines. The formation exists at an elevation greater than the lower flanks of the Toiyah-bee range, where, if ever present, it has been removed by denuding causes. From the crupted rocks beneath and adjoining it, flow springs of all temperatures, up to the boiling point, and heavily impregnated with sulphur and carbonate and chloride of soda. The absence of adjoining salt beds or marshes is no proof against the prior existence of saliferous gypsum beds at any point, because the salt deposits are evidently only kept in existence by the replenishing hot springs. The sources of supply once stopped, the salt would soon enter into new combinations, under the active influence of frequent rains and diurnal heat; for real stable deposits of salt are dry, and, consequently, much elevated, and appear to have been thrust up with great masses of rock, that fully protect them from outward elements. This much concerning the saliferous gypsum beds, for which, for many reasons, no geologist will attempt to give a hot-water origin. But if an intensely heated dyke of matter had ever come in contact with any portion of this formation, there would have resulted an unrecognizable metamorphism, and an evolution of muriatic acid gas, to be deposited again, in the form of salt, over the surrounding country, just as a similar deposit is sometimes made by volcanoes. Here we see that hot water is not absolutely necessary for the wide distribution of salt, particularly in the Great Basin.

Overlying the granite of Reese River is a limestone formation, undoubtedly older than the quartz veins enclosed by it and the granite. Limestone, or carbonate of lime, is known as a compound of the oxide of calcium and carbonic acid. This carbonic acid is one of the most easily removed associate of minerals. By dry heat it is either driven off in a gaseous state, or else, by having all escape prevented, enters into a crystalline arrangement of the particles of lime, thereby forming marble. In contact with other elements, especially silica, or with boiling water, and quite powerfully in the presence of both, it is removed from carbonates, and in solution tends to keep some compound elements in a fluid state, so much so that from the fact that the carbonic acid of the sea is five times greater than actually required to keep the carbonate of lime in a fluid condition, Bischof, a learned investigator, believes that it is impossible for the latter to have been deposited solely by chemical action. Boiling water, acting alike upon the silicates of the granite and the carbonate of lime, would have decomposed both by a series of mutual re-actions, and, under the highly favorable circumstance of no rocky lid compressing it, the tumultuous water would have emitted a continual vapor of carboaic acid. Had there been but a short epoch of such an operation as described by the learned professor, the rocks would have been metamorphosed by dissolution or chemical substitution, and new combinations beyond any recognition of their original formation; while the fact is apparent to the most superficial observer that the overlying limestone of the Reese River mines, as a general formation, is remarkably free from any such evidence, even in close contact with the granite. The greatest metamorphism of the limestone is adjoining veins, where partings have afforded channels of percolation for melting snows. The same characteristic is noticeble in the granite, with an additional weathering of the surface where the limestone has been long removed. The granite is found in places at an altitude of two thousand feet or more above flanking portions of limestone, and both formations alike contain chloride, and bromide ores, and therefore, according to theory, must have been equally and deeply submerged in hot water. How great would have been the heat absolutely required to keep such an immense body of water in continual ebullition—most assuredly a temperature and volcanic commotion, totally uncomparable with any visible results. And now let me ask if there is any precise or even loosely supported geological record of such a stupendous mass of boiling water ever having existed in nature?

Has anybody ever known sulphur to be boiled out of metallic sulphurets with salt water? Capitalists should lose no time in securing the hot springs and adjacent salt beds of the Great Basin, to monopolize the reduction of silver ores, or at least try them when the Professor gives a clear insight of the process. But, admitting this as a possible chemical operation, I will ask how in the exact laboratory operation described, the silver became satisfied with exchanging its sulphur for chlorine, and then refused to dissolve in the hot saline solution? This is a mystery puzzling to any one acquainted with the Augustin process of silver extraction. If it is claimed that the chlorides were taken up and afterwards precipitated, how so abundantly and exactly in the quartz veins alone, and by what now invisible bulk of reducing agents.

To my mind, the simplest explanation appears the most natural. As before stated, the salt is an abundant material of the adjoining country; minutely impregnating the rocks, it would have no marked chemical effect when diluted with water; but when existing in contact with silver ore, with just sufficient acidified water to keep it moist, and have a catalytic, if not a contributing influence, it would gradually change the ores into chlorides. It is well known that by the osmose or simple capillary action of a comparatively dry porous stratum above a moist understratum, carbonate of soda and chloride of sodium are brought to the surface as a white efflorescence. In this connection it is noticeable that chloride ores affect in the granite only the upper and friable portion, which is only intermittingly subject to the presence of water, and then chiefly as a column of surface percolation. In the limestone, the same class of ores, being on the sides of deeply cleft canons, are free from the continual presence of internal streams. That the salt may exist in very delicate quantities, is not belied by the amount of ore affected. Much less than the minute quantity often analytically found in springs, where its presence has been unsuspected, would, as an average ingredient of the internal moisture of the Reese River lodes, be sufficient, by osmose action, to chlorinize all the surface ores. No thoughtful physicist will believe that these ores could have existed in their present condition near the surface, during the period that must have elapsed since the region of Nevada Territory could have been last agitated by strong convulsions or heat, without a continual replacement of the chlorine. For there are quite a number of simple elements having a stronger affinity for chlorine than silver—the hydrogen of water being the most powerful, while some of the others form portions of the rocks enclosing the quartz veins. While the surrounding rocks are suffering decomposition and, consequently, chemical changes, that must be attended by modicums of heat, it is not to be supposed that the chlorine of the silver ore remains unaffected. That the combination of chlorine and silver is slowly but continually repeated by the surface action and aid of the nitric acid, washed down from the atmosphere by the frequent showers of that region, is simply an opinion of my own, founded upon the fact that every flash of lightning generates nitric acid, which is readily absorbed by the water-drops; and that lightning is more frequent, and on a grander scale, in the Reese River section, than any other part of Nevada Territory. Whether we adopt this or some other simple chemical cause, there is, I conceive, no more necessity of flooding the Great Basin with hot water, to account for a simple phenomenon, than there would be for the witches in the play of Macbeth to put a dozen assorted Reese River quartz lodes into their hell-brewing kettle, to work them into mischievous charms.

PUNDIT.

LIGHTING MINES.—As an improvement in supplying air to lights in mines, the Rev. W. R. Bowditch, of Wakefield, England, proposes to condense air by a pump, or other suitable means, and convey it in pipes to a receiver, and thence to the light to be supplied, or directly from the condenser to the light. The light, inked or in a safety-lamp, is placed in a lantern which has an aperture for the admission of the pure air, and one or more apertures for the exit of the air and products of combustion. The condensed air is conducted through a pipe, which fits tightly into the lantern, and by this air combustion is supported. The surplus air, and the products of combustion pass through the apertures made for that purpose in the lantern. The air being supplied to the lantern under pressure, prevents the entry of fire-damp or any other dangerous gas that may surround the lantern. Air under pressure is apt to extinguish lights supplied with it, and to flow to waste if the current be not regulated; to prevent this he passes it through a pipe or pipes obstructed by screw-plugs, or taps, or wire, or by combinations of these, or by other suitable means, so that its flow may be regulated according to the supply needed. He also uses the waste air blown off from engines worked by compressed air. In this case, the air which is blown off is received into a suitable box, with a valve, before it is allowed to mingle with the atmosphere, and it is conducted from the box to the light through a pipe or pipes as described. He also allows the air to escape around lights without enclosing them, but this plan is not so efficient or economic.

LADIES should never put pins in their mouths—their lips should be roses without thorns.

NEW YORK CORRESPONDENCE.

BY FRANK WARDELL.

[Owing to the detention of our Correspondent's valuable letters, we publish a few extracts only.—EDS. PRESS.]

WAR, NOT THE CAUSE OF HIGH PRICES.

Speculation is the cause of the present high prices at which the necessaries of life are being held—not the war, as many suppose; crush speculation, and food and clothing will return to reasonable figures. To do this, people should, for a season at least, live as economically as possible, buying nothing that is not absolutely necessary, and wasting nothing that can by any ingenuity, be turned to domestic account. As a people we are the most extravagant on the globe. This does not admit of a doubt. We destroy more than we use. Were we to live frugally and wisely for simply two years, the sum saved would pay off the National debt. But there is little sense in talking to those who look more to appearances and the condition of their tables, than they do to the interests of the country, or the successful termination of the war.

A STROLL ON WALL STREET.

Having not much on hand to do, a few days ago, I thought I would take a little quiet stroll on Wall street, and there, if possible, try and study out their "*modus operandi*" of doing business. I know it was attempting rather a difficult task, nevertheless, with a brave heart and firm determination, I "sallied forth." I made direct steps for the locality where the "noble bulls and bears" do congregate. Having arrived, and after duly "striking" a Montgomery street attitude, a sort of *neglege*, I commenced conversation with a gentleman who was dressed in the most exquisite manner, and whose actions denoted that he was one of the nabobs of this great and noisy city. I led off on the subject of gold, not knowing what else to start in on. After discussing that topic pretty thoroughly, and seeing I was not on the purchase or sell, he withdrew by bidding me a "good-day." Ah! thought I to myself, that is what we would term in San Francisco, a "cold shake." Not to be daunted in that manner, I started off and soon became mixed up with another party of "stock sharps." Some were talking Erie, some betting that N. Y. Central would go to such and such a figure; others said there was more money in Hudson stock. Out would come a blank check from the lining of their hats, (the repository which brokers term their street safe) and off they rush into the nearest office, fill up the same, and in less than five minutes I have seen as high as twenty thousand dollars closed. They have about the same system here as your "operators" have in California, regarding the raising of a stock in the market. What a busy street this Wall street is, people constantly on the go, rushing like so many wild men, here and there as if their lives depended upon reaching a certain place at a certain time.

HOW FRANK BAKER LOST HIS FORTUNE.

In the course of conversation with some of the brokers during my stroll on Wall street, I gleaned from them the points with regard to the manner in which Frank Baker, well known in California, was made the loser of almost all the money he had. It seems that Mr. Baker, in company with some other very wealthy men of this city, thought they would form a combination and buy in Harlem stock, which by such an operation, would as a matter of course raise it on the market. The principals in the transaction, were of course not to be publicly known; all transactions to be made through brokers. This they did and purchased immense quantities, one of their party, being the wealthiest of the clique, thought he would buy some on his private account, besides what he had put in the combination, the understanding being that they should all hold their stock for a certain time and throw it on the market by degrees, when the price suited for the mutual benefit of all. Instead of this, the combination seeing that this wealthy party above referred to, was on the buy, determined to play "sharp" and took their stock, "shoved" it into the market through different brokers, and of course this party would buy it at the high advanced rates. Intelligence of this somehow or other got to his ears and, he saw at once that he had all that he "could carry," and if he stopped buying the market would "lower" and the consequence would be he would be ruined. He therefore set his wits to work, and at last thought of a plan, and pops of to the prince of speculators, Cornelius Vanderbilt, and told him his position, stating that if he would back him he could, with what he had, make a few millions; Vanderbilt looked into the matter, saw the chance, and replied "go in" all the money you want I will supply. This was enough for the injured party and he continued to purchase all the Harlem that was offered. The combination having sold all of theirs, they asked him what he intended to do with so much stock. He replied that he had confidence and intended to invest all he had in it. The "combination" had a good laugh among themselves, and one said, then let us "sell short" on him. All right; so they sold several millions short. This the party also bought. Now they commenced to wonder. "What does this mean? Where does the money come from? But it was not long before their seller contracts became due, and to their astonishment, Harlem was 280 and none to be had at that, not one share. The consequence was they had to pay the difference and pocket the loss. One party I know of paid one million to be let off. This is only to illustrate how heavy they went in. Frank Baker, as near as I could ascertain, paid $500,000, which nearly broke him. So the combination learned there were other "smarties" beside themselves. Now, you cannot purchase Harlem stock; it is the choice article of the market. The party they intended to take the advantage of comes out several millions ahead. I make known this little game of "sharp practice" to your readers, for I feel convinced that it will in a certain degree, place them on their guard against similar operations which I have known to be "worked up" by certain brokers in your city.

The Big Trees.

The Stockton *Independent* informs us that "Sequoia" is a "new name for the class of trees known as the Big Trees." It says:

"Professor Brewer, of the geological survey is the first to apply the name. He communicates to the *Scientific Press* the fact that, in the mountains above King's and Kern rivers, these trees are often found, not in isolated groves, but scattered around promiscuously in the forests, at altitudes varying from five to seven thousand feet. He found one tree near Thomas' saw mill, forty feet in diameter; which is much larger than any in the Calaveras or Mariposa groves, and the Indians told him of another, north of King's river, much larger than this one. *That* tree ought to be hunted up and taken care of. 'Hercules,' the largest tree in the Calaveras grove, is but ninety-six feet in circumference."

Our cotemporary is in error on this point. The name of "Sequoia" is by no means new, as applied to the mammoth trees of Calaveras and Mariposa. Soon after the discovery of the Calaveras collection became known to the world, an English tourist undertook to christen the tree "Wellingtonea Gigantea." A patriotic American, indignant at the idea of permitting this wonder of the vegetable world to be called after a "Britisher," proposed the name of "Washingtonea Gigantea." Next came a learned German, who settled the whole matter to the entire satisfaction of the scientific world by declaring that the mammoth tree belonged to the same genus as the Redwood, which was already well known as a "Sequoia," and that, as being a larger *species* of the same *genus*, it would be most appropriately designated "Sequoia Gigantea." This has long been its accepted scientific name; and we are confident that so well informed and learned a botanist as Professor Brewer, could not have been ignorant of facts so widely known.—*Flag.*

The copy of the Stockton *Independent*, containing the comments above referred to, on the notes of the geological survey recently furnished us by Professor Brewer, has never been received by us, and we are under obligation to the *Flag* for its prompt correction, as above, of the error of our Stockton cotemporary.

THE Spanish-Peruvian Imbroglio is not yet at an end, and war between Spain, Peru and Chili is imminent. The Peruvians insist that the guano islands must be given up and the Peruvian flag saluted by Spain, or the full power of the Republic will be employed to protect the integrity of its territory.

AN imprudent gentleman leaning out of his car at the scene of the railway catastophe in Canada, had his head severed from his body by one of the supporting rods of the bridge.

Mining Summary.

CALIFORNIA.

El Dorado.—The *Democrat* of Placerville learns that Owen Donegan, of Saw Mill Flat, took from his claim, a few days since, a lump of gold weighing nearly three pounds, all the claims on this flat have been paying very well all summer, but the water has now given out, and the miners will have to rest on their oars until the rainy season sets in.

Nevada.—The Nevada *Gazette* says:—"The miners are returning to their old claims. Throughout the entire county prospecting for quartz is being done with excellent success. New mills are being erected, and daily, rich leads are opened. In anticipation of a favorable winter, of which there is every evidence, placer diggings are also being prepared for extended working. In addition to the above facts, the utmost confidence is felt in the mines of this county by capitalists. A gentleman who is well posted in regard to this matter informs us that 'Nevada county mines stand higher today than any others in the market.' Numerous men of means have visited this county in the last few months, examined our mines, and invested their money in them. These things and an unwavering confidence in the unlimited wealth of Nevada county, warrant the belief that our city and county have seen their darkest day. Nevada, we believe, will never be as dull again as it has been for the last six months. The confidence of our people has most substantial grounds for its existence."

Placer.—A newspaper correspondent from Iowa Hill, Placer county, says that shallow placer diggings, are few and far between. The only mining now followed in that vicinity, as well as along the whole "Divide" between the middle and north forks of the American, at Yankee Jim's, Todd's Valley, Forest Hill, Michigan Bluffs, and other mining camps, being hydraulic, or what is termed "deep diggings," where with a full head of water and sufficient fall a whole mountain side is "piped" down, as it is termed, and boulders weighing little less than a ton, sent spinning like a teetotum or a schoolboy's top. This and tunnels run hundreds of feet through the rim rock, compriss the great bulk of the mining operations in this section, and to practise the former mode successfully, a large amount of water is required.

The Southern Mines.—The Los Angeles *News* of the 19th says:

"It is reported that miners are flocking into the gold placers at Little Creek; San Bernardino county, in large numbers. Soledad, Ravena City, as we learn, has been almost depopulated; all are leaving for the new mines above mentioned. A large proportion of the miners have also left the El Paso and other mining districts north of this place. It is stated that all claims which have been opened are yielding richly; sixty to one hundred dollars a day have been taken out by two men on more than one occasion."

Calaveras.—The San Andreas *Register* of the 15th says:—Richard Kirby has discovered an exceedingly rich gold-bearing vein of quartz about eight miles south of this place, between here and Copperopolis, a specimen of which we have seen, and the rock is literally full of gold—gold being the rule and quartz the exception. It was found on what is called the Hunter Ranch by this man, who was crossing the ranch, and having picked up an old pick, knocked off a piece of the rock and found it full of gold. He and several other parties are now at work upon it, and have already taken out a large amount of gold, using nothing but the pick and pan. They took out of a place not over six inches square what they estimated to be at least $25. It seems to be decomposed quartz and easily worked. They are down on the lode about eight feet, and are endeavoring to find the main vein. There are seven or eight small veins, not more than an inch wide near the surface, but growing wider as they go down. These they have traced about twenty feet, pitching towards the west, where they take a sudden turn and go down, pitching a very little toward the east. It is thought they will lead to one main vein, which must be very rich if it is like that already discovered. The most of the gold is very coarse, but some of it is as fine as flour. It has every appearance of being the richest thing struck in this country for a long time.

Sierra.—The Downieville *Messenger* learns that the mining companies at Saw Mill Flat are busy, employing all the men they can find room for. The Union has about forty; the Franklin about twenty-five. The Monitor Company are putting in one of Fredenburg's hydraulic wheels and building a timber house. The other companies are head and ears in bed rock.

At the new camp at Ironsides about which cluster considerable quartz interests, three companies are at work. The Ironsides mill commenced running about three weeks since, and works to perfection, and every thing about the claim appears to be driven forward in a systematic manner. The Ohio company are running a tunnel of about 500 feet. The Sixty-ninth (north extension) are also running a tunnel to tap their claim lower down.

Much work has lately been done at the Oak Flat Co's ledge. A breast of several hundred tons has been crushed, averaging from eight or ten to fifteen dollars per ton at different runs of the mill, improving as they sink on the ledge. The company are running a small mill and working their claim on sole principles. The partners are mostly laboring men of small means. The Eagle claim and extension is not being worked this Summer.

There are other claims on Kanaka Creek the same side of the ridge from which hundreds of tons of quartz of good quality are being taken, and it is probable that in the course of another Spring these will be sufficiently proved to warrant the building of mills. The gravel claims interest on this side of the county has already become secondary to quartz, in which large investments of capital are constantly being made. The American Company at American Hill are running their mill, having, through a bed-rock tunnel, got well in upon their ledge, which looks exceedingly well. The gold is fine and the sulphurets in some places are unusually coarse. Other mining is pretty much suspended at present, but, considering the dry season, has done better than an average through the country. The Mt. Moriah and Morning Star ledges, located respectively on Great and Little Wolf Creeks, surpass all other discovered ledges of this county in size. During the progress of development, rich specimens are constantly found; and what is most remarkable, all this rock prospects well.

WASHOE.

The Dayton *Sentinel* says that Mr. D. L. Smith, of that place, is now busily engaged in building a ditch and flume, of about 125 rods' length, from the mouth of Gold Cañon to the vicinity of Mineral Rapids mill, where he will shortly put up an eight-stamp quartz mill. Mr. Smith assures us that he will have an ample supply of water, with a fall of over eighty feet.

The Rock Point Quartz Mill resumed work a few days since, having been idle a week to admit of repairing the race, which has been so improved as to enable it to carry an additional body of water, so that now, at the very low stage of the Carson, the supply is sufficient to fill the race, thus enabling the mill to run the full number of stamps—at present numbering forty. In a short time sixteen more will be added.

The Woodpecker mill, lately destroyed by fire, is to be rebuilt without delay. Mr. J. S. Aiken is the contractor.

The Carson *Independent* says that beautiful town is marching rapidly on in the career of prosperity. Several quartz mills are being erected there, and the citizens are generally enterprising and active in promoting improvements.

ESMERALDA.

The new mining district, located about fifty miles southeast of Aurora is creating considerable interest. People are flocking thither from every direction. A town has been laid out and the mines are said to be exceedingly promising. The Esmeralda *Union* says of the Oxford Beta:—

This splendid tunnel is being pushed forward with commendable energy. It is now in over three hundred and fifty feet, and must soon, it is believed, strike the Winnemucca lead. Work is continued night and day. The rock is extremely hard, however, and consequently the progress being made is not so great as it was hoped it would be at the present stage of advancement. The Oxford Beta stands high in the estimation of the miners of this district, and much credit is due the Superintendent, Mr. Lytle, for the scientific manner in which the work is prosecuted.

REESE RIVER.

According to the *Reveille*, Messrs. Morgan & Muncey have leased the Hildreth mill, and are now engaged in making extensive and permanent improvements upon it. D. W. Brooks, their chief carpenter, has lately purchased all the lumber necessary to enclose the roasting furnaces, and to make the mill comfortable and secure. They will put up a new retort, and are having a foundation dug out for the purpose of putting up a new drying kiln. They will also have three wooden amalgamating tabs, instead of the iron pans heretofore in use. When all the improvements are completed, the mill, for its capacity, will not be surpassed by any in the city. These repairs do not interfere with the working of the mill, which will be ran without intermission while they are going on.

The *Reveille* gives a lengthy description of the extensive works now in progress by the New York and Reese River Company, which are located in Telegraph Cañon, about three miles north of Austin. This company is an organization of New York capitalists, whose headquarters are in that city, and are also the owners of the Manhattan and Knickerbocker mills of Washoe, under the names of New York and Washoe and New York and Nevada Companies. The acting manager of the company in that section is Mr. J. V. Robbins, who is driving the business ahead with great energy and cute. The name by which the mill which the company is now erecting will be known is "Midas"—a most appropriate selection, as Midas, in heathen mythology, was one who possessed the power to turn into gold whatever he touched with his talismanic wand. The mill will be of the latest and most approved mode of construction, with roasting furnaces, railroads, amalgamating barrels, etc. The building will front 165 feet; the roasting room being 100 by 50 feet, forming an L with the mill building, which is 80 by 50 feet, the boiler room being an addition of 15 feet. The main building is of granite, the walls being of great strength. The roof will be of trestle work, covering the building with a single arch. The furnaces are being constructed under the direction of Mr. J. H. Demorest, who has had much experience in such work. The wood work is being done under the direction of Mr. E. D. Belle. The rock will be crushed dry, and will fall from the batteries into boxes on cars, these standing on a track that runs over the roasting furnaces. There are to be five furnaces, capable of receiving charges of 1,200 pounds each, connected by flues with a circular chimney stack 50 feet high. These furnaces are upon a pattern somewhat different from those in common use, but are upon the reverberatory principle. The amalgamating of the roasted ores will be done with Freiburg barrels, while the unroasted ones will be worked in two of Varney's improved pans. The works will be driven by a 75-horse power engine. The company owns quite a number of lodes in the vicinity of the mill. Col Robbins, brother of the Superintendent, and late in command of the 8th Wisconsin volunteers, in active service in the East, has charge of the mines, and is developing them with much energy and skill.

From the *Reveille* we also learn that the new silver mines in Rush Valley, southwest of Salt Lake, have been prospected and worked considerably. Gen. Connor, commander of that department, has sent a silver bar to Miller & Lundhom, the ore from which it was obtained assaying $714 to the ton. Extensive preparations are making to develop the mines next spring.

Washington district is known to be exceedingly rich in various kinds of ores, and all that has been needed was works to get the silver out. The *Reveille* learns that Don Alvarez, the sole owner of the St. Helena ledge, is at present putting up two large blast furnaces, together with a reverberatory furnace, for the purpose of separating the silver from the lead. Two engines that he purchased at Silver City have arrived and been put up. These extensive improvements will be in working order by the middle of December.

HUMBOLDT.

The Humboldt *Register* says that work has been again resumed on the Mars claim, and that ore will soon be arriving at the mill. The Evening Star company has about 150 tons of fine ore taken out, and still continues piling it up. The Gem is hauling ore to the Falls Mill.

Fires were lit in the furnaces of the Trinity Mill on Thursday of last week, and the *Register* says that the engine works beautifully. The mill will be running on rock within ten days. Teams have gone to the salt marsh for a supply of salt.

The Manhattan Ledge is a recent location in Oro Fino District, south and west of the Natchez ledge. It is said to be a well defined ledge, three feet thick in croppings, which are similar to those of the 'Gem,' only having more gold. Locations made by Ed. Crutchley, discoverer of the Chihaahua. A sample of ore recently assayed by D. D. Robertson, yielded at the rate of 586 ounces to the ton. The company is called the "New York."

A small 5-stamp mill has just been built by Prescott & Schiedel at Marysville, for the "Alpha" Company. The mine is being put in order for active operations against the time when the mill will be ready to start.

The Belmont company has out about six tons of fine ore, and will soon have a larger force on. The Lady Franklin company held a meeting on the 7th instant, for the purpose of making arrangements to work the mine. It is thought pay ore can be taken out without any preliminary work.

OREGON.

The Dalles *Mountaineer* says that recent discoveries favor the opinion that Rock Creek is the Sinker Creek discovered by the lost emigrants many years since, and that it was on this creek they found the gold of which so much has been said. The marks of an old wagon road, which is believed to have been used by Meek and his party have been found, and from certain other indications, it is thought that the Rock Creek of to-day and the Sinker Creek of tradition are identical.

The Poetry of the Steam Engine.

There is something awfully grand in the contemplation of a vast steam engine. Stand amid its ponderous beams and bars, wheels and cylinders, and watch their unceasing play; how regular and how powerful! The machinery of a lady's Geneva watch is not more nicely adjusted—the rush of the avalanche is not more awful in its strength. Old Gothic cathedrals are solemn places, preaching solemn things; but to the deep thinker, an engine-room may preach a more solemn lesson still. It will tell him of mind—mind wielding matter at its will—mind triumphing over physical difficulties—man asserting his great supremacy—"intellect battling with the elements." And how exquisitely complete is every detail!—how subordinate every part toward the one great end!—how every little bar and screw fit and work together! Vast as is the machine, let but one be but the tenth part of an inch too long or too short, and the whole fabric is disorganized. It is one complete piece of harmony—an essay upon unity of design and execution. There is deep poetry in the steam engine—more of the poetry of motion than in the bound of an antelope—more of the poetry of power than in the dash of a cataract. And ought it not to be a lesson to those who laugh at novelties, and put no faith in inventions, to consider that the complex fabric, this triumph of art and science, was once the laughing sleek of jeering thousands, and once only the waking phantasy of a boy's mind as he sat, and in seeming idleness, gazed at a little column of vapor rising from the spout of a tea-kettle?—*American Artisan.*

Franklin and his Paper.—Soon after his establishment in Philadelphia, Franklin was offered a piece for publication in his newspaper. Being very busy, he begged the gentlemen would leave it for consideration. The next day the author called and asked his opinion of it. "Why, sir," replied Franklin, "I am sorry to say I think it highly scurrilous and defamatory. But being at loss on account of my poverty, whether to reject it or not, I thought I would put it to this issue—at night, when my work was done, I bought a two-penny loaf on which I supped heartily, and then wraping myself in my great coat, slept very soundly on the floor till morning, when another loaf and mug of water afforded a pleasant breakfast—now, sir, since I can live very comfortably in this manner, why should I prostitute my press to personal hatred or passion for a more luxurious living?"

One cannot read this anecdote of our American sage, without thinking of Socrates' reply to King Archelaus, who had pressed him to give up preaching in the dirty streets of Athens, and come and live with him in his splendid court. "Meal, please your Majesty, is half-penny a peck at Athens, and water I get for nothing."

How to Discover and Cure the Small Pox.—The *Electric Journal* says concerning this matter; "Now we offer this secret to the profession—as soon as the eruptions appear, by pressing with the point of the finger there may distinctly be felt the small, hard substance, precisely as if a small fine shot had been placed under the cuticle of the skin. This peculiar appearance belongs to no other disease. We have applied the term secret, here; for whilst it is, and has been known to a few physicians, it is not mentioned in any of the standard authorities; nor does the writer claim the credit of the discovery. After this all works upon practice will add this unfailing diagnostic symptom." The treatment of the small pox in the State Almshouse of Massachusetts, where the disease has prevailed during the last three months, has been singularly successful. Out of about sixty cases, but one fatal result has occurred, and that was the case of a man who was taken to the house from a neighboring town, in the last stage of the disease. The remedy used was a tea made from a plant known in the *Materia Medica* as *Garracenia Purpura*, familiarly called Ladies' Saddle, or water cup, the medicinal virtues of which lie in the root. The effect of the remedy, which has been newly discovered, and found remarkably efficient whenever tried, is to allay the fever and irritation caused by the formation of pustules, which are rapidly dried up, leaving but slight, if any, trace of the malady.

The horse-railroad drivers of Philadelphia were lately on a strike. They were demanding two dollars a day.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Oct. 22d, 1864.

Transactions at the Board since Saturday last, have been heavy in nearly all the leading shares, and lower priced stocks were also buoyant. The former have ruled at lower rates, but for the most part have been well maintained in view of the large sales, and the sudden and material rise of last week. The flattering condition of many claims on the Comstock is a subject of congratulation in stock circles and not only adds strength to the whole market but inspires the hope that the future of these mines will be no less promising.

During the past quarter the receipts of Bullion from Virginia City, Carson, Gold Hill and Silver City, have amounted to $2,848,000. Reese River has sent forward in this period about $200,000, and from Esmeralda $225,000 have been received, making an aggregate from Nevada, for the past three months of $3,275,000. This is a gratifying exhibit, and shows that the leading interest of the Territory is growing in importance and is well worthy the attention of our capitalists and all others engaged in these pursuits.

The money market is growing easier and capital is becoming more abundant. The establishment of a number of foreign banking agencies in this city will materially aid in promoting still greater ease.

Legal Tender Notes have been dull and inactive at lower rates, $18,500 were sold at 49½@49 cents. Latest telegraphic advices from the East denote a fluctuating market for gold. New York quotations of yesterday's date were 207 with a declining tendency. California State Bonds are inquired for at 75, and San Francisco 7's are offered at 72½. San Francisco 6's of 1858 are held at 64, and Sacramento County Bonds at 50.

Savage is in somewhat less favor and has declined from $2,000 buyer 15, to $1,800. Within this range 28 feet have been sold, and at the close $1,725 was bid $1,800 asked. Receipts of bullion from this mine, so far the current month, exceed $125,000.

Gould & Curry is also lower, and 49 feet have changed hands, advancing from $1,650 to $1,725, falling to $1,660, rallying again to $1,695 and steadily declining to about $1,610 This claim is yielding an average of some $7,000 per day. Advices from the mine are favorable, and good ore continues to be met with at a depth of 100 feet from the lower level.

Potosi has been in rather better favor, and rose from $810 to $850, at which rates 11 feet were sold. The argument before the referee in the suit of this Company with the Bajazet has reached a conclusion and a decision is looked for next week.

Chollar has continued to advance, and 18 feet were dealt in, within the range of $915 and $950. The southwest drift has now penetrated the face of the ledge, in this part of the mine, a distance of 112 feet every portion of which is said to contain good ore. The lode is also widening as depth is attained. In reaching the 5th level in the north mine from the main shaft, some difficulty has been met with, but future progress will, it is thought, be more satisfactory. The company are now hoisting some 80 tons of ore per day.

Yellow Jacket is in more request, and rose from $725 to $800, closing at $800. At these rates 23 feet were sold. Developments in this mine are of a favorable character, and a number of mills are now employed in crushing ore.

Hale & Norcross has been more active than usual, and 25 feet changed hands, declining to $450, rallying to $470, and held yesterday at $490. Indications in the different drifts from the lower levels are thought to be flattering.

Ophir has been a feature of the market, and 94 feet changed hands, dropping from $470 to $390, rallying to $455, then selling at $425 seller 30, and closing at $450 asked. Good ore has been found recently in the 5th station of the mine, and other portions of this claim are regarded as most promising.

Uncle Sam is in less request, and declined from $360 to $200, and rose to $220. Last evening $225 was bid—$250 asked. The rumors touching a consolidation of this company with the Overman we cannot trace to a reliable source. Negotiations are pending, however, which may lead to a settlement.

Overman has been sold to the extent of 96 shares, advancing to $250, declining to $150, rallying to $160, and closing at $180. The activity in this stock has been occasioned by the prospect of an arrangement with the Uncle Sam, which would, it is thought, end all litigation.

Imperial rose from $149 to $155, declined to $150, seller 30, and sold yesterday at $148@149. Some 150 shares were sold. Receipts of bullion this month are large, and a dividend of $7.50 per share will doubtless be declared out of the net earnings.

Burning Moscow has absorbed a large share of the attention of speculative dealers, and 1,892 feet were sold at variable rates, opening at $59, advancing to $92, buyer 30, and $88 cash, rallying to $80, buyer's option, and closing at $68. Some important developments have been made lately, but it is difficult to ascertain their real character.

Daney rose from $30 to $35, fell to $25, and sold yesterday at $27½. Sierra Nevada revived this week, advancing from $30 to $55. It was offered yesterday at $44. Within this range 180 shares were sold.

Bullion has steadily advanced from $80 to $110, and closed firmly at $120 bid. 119 feet changed hands at these rates.

Baltic rose from $33 to $43 and declined to $33. Michigan was sold at $12, Do Soto at $16½, and Pride of the West at $6½@7½.

Buckeye has been active at lower rates, and 346 shares were sold, declining from $8 to $6, and closing at $6½. An assessment of $3 per share was levied yesterday.

North American was in request early in the week, and 113 shares changed hands, advancing from $52 to $67. Yesterday $37½ was bid, $40 asked.

Nevada (J. G.) was sold at $40@45; Sheba at $65; Real del Monto at $24@25; and Antelope at $50.

Wide West has been well maintained. 205 shares were dealt in at from $26 to $28. Golden Age and Empire advanced from $11 to $13½

The aggregate sales of stocks since Saturday last amount to $488,458.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3 10	—	—	$ 139,996,950	Feb. Aug. April and Oct	U. S. Treasury	1864	
Legal Tender Notes	49	50					
California State Bonds, 7s, 1857	75	77	3,620,500			1887	
San Francisco Bonds, 10s, 1851		100	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1860	
San Francisco City Bonds, 6s, 1855	60		320,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	61	63	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	75	80	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 0s	44	50	440,0.0				
Marysville Bonds, 10s	75	85					
Stockton City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	67	—	2,500	$1,000		2 ₱ ct. ₱ month on capital stock.	Dividend of 3 ₱ ct. paid Oct. 15.
State Telegraph Co	25	—	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	75	84	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	—	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	35	44	3,000	1,000	$425		Assmn't of $25 ₱ sh levied Sept. 1.
Virginia and Gold Hill Water Co		80	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co		27	8,000	100	$100		
Omnibus Railroad Co	100	110	10,000	100	41 ₱ cent.—$41	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	88 ₱ cent.—$38		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	500		$172	$10 per share now due.
Fireman's Fund Insurance Co		108	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	109	115	7,500	100	Full Paid	20 per share paid quarterly	
San Francisco Insurance Co	—		500	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ₱ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,120.57.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ month on capital stock	39th dividend paid.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, October 15.

6 shs Potosi at 825 per foot.
2 shs Potosi at 810 per foot.
2 shs Potosi at 8 0 per foot.
80 shs Daney at 30 per foot, b 30.
80 shs Daney at 30 per foot, s 30.
4 shs Gould & Curry at 1675 per foot.
4 shs Gould & Curry at 1650 per foot, s 30.
8 shs Gould & Curry at 1640 per foot, s 30.
4 shs Gould & Curry at 1670 per foot.
3 shs Savage at $2000 per foot, b 15.
24 shs Ophir at 470 per foot.
12 shs Ophir at 462½ per foot.
2 shs Uncle Sam at 320 per share.
2 shs Uncle Sam at 350 per share.
40 shs Chollar at 930 per foot, b 30.
11 shs Imperial, 149 per share.
10 shs Sierra Nevada at 50 per share.
50 shs Burning Moscow at 65 per share.
50 shs Burning Moscow at 65 per share, b 30.
5 shs Burning Moscow at 60 per share.
10 shs Real del Monte at 22 per share.
8 shs Michigan at 12 per share.
1 shs De Soto at 16¾ per share.
10 shs Bullion, G. H., at 80 per share.
20 shs Buckeye at 8 per share.
20 shs Buckeye at 7¾ per share.
10 shs Harmon at 7½ per share.
15 shs Nevada, J. G. at 41 per share.
5 shs Nevada, J. G. at 40 per share.
35 shs Baltic at 33 per share.
10 shs Lady Bryan at 6¾ per share.
10 shs Lady Bryan at 6¾ per share.
10 shs Lady Bryan at 6¼ per share.
5 shs Wide West at 29 per share.
3 shs North American at 53 per share.
50 shs North American at 56 per share.

AFTERNOON SESSION.

4 shs Gould & Curry at 1670 per foot, b 30.
4 shs Gould & Curry at 1750 per foot, b 30.
12 shs Gould & Curry at 1710 per foot, s 30.
4 shs Gould & Curry at 1730 per foot.
4 shs Gould & Curry at 1725 per foot.
4 shs Gould & Curry at 1725 per foot, r w.
4 shs Gould & Curry at 1710 per foot, s 30.
8 shs Gould & Curry at 1725 per foot.
60 shs Ophir at 450 per foot.
5 shs Overman at 225 per foot.
5 shs Overman at 250 per foot.
12 shs Daney at 35 per foot.
10 shs Daney at 35 per foot, s 30.
10 shs Imperial at 148 per share, s 30.
10 shs Imperial at 149 per share, s 30.
5 shs Baltic at 35 per share.
17 shs Burning Moscow at 59 per share, s 3.
21 shs Burning Moscow at 64 per share, b 30.
75 shs Burning Moscow at 69 per share.
80 shs Burning Moscow at 69 per share, s 30.
10 shs Burning Moscow at 65 per share, b 30.
5 shs Bullion, G. H., at 80 per share, s 30.
$ 5,000 Legal Tender Notes at 49⅝ per cent, s 5.
Amount of sales.....$86,315 00

Monday, October 17.

5 shs Overman at 225 per share.
20 shs Daney at 28 per foot.
20 shs Daney at 27 per foot.
8 shs Gould & Curry at 1680 per foot.
4 shs Gould & Curry at 1690 per foot, r w.
8 shs Gould & Curry at 1680 per foot, r w.
4 shs Gould & Curry at 1660 per foot, s 60.
60 shs Ophir at 450 per foot.
24 shs Ophir at 425 per foot, r w.
24 shs Hale & Norcross at 490 per foot.
15 shs Wide West at 28 per 65 per share.
20 shs Burning Moscow at 64 per share.
1 sh Burning Moscow at 65 per share.
2 shs Burning Moscow at 65½ per share.
22 shs Burning Moscow at 66 per share.
10 shs Burning Moscow at 64 per share, s 30.
5 shs Burning Moscow at 67 per share.
10 shs Burning Moscow at 68 per share.
110 shs Burning Moscow at 69 per share.
20 shs Burning Moscow at 69 per share, r w.
10 shs Burning Moscow at 70 per share, b 30.
20 shs Burning Moscow at 68½ per share.
10 shs Imperial at 151 per share, r w.
25 shs Buckeye at 9¼ per share.
20 shs Buckeye at 9¾ per share.
43 shs Buckeye at 10 per share.
11 shs Pride of the West at 6 per share.
20 shs Lady Bryan at 6 per share.
20 shs Lady Bryan at 6¼ per share.
50 shs Lady Bryan at 6¼ per share, r w.
24 shs Nevada, J. G., at 40 per share.
10 shs Nevada, J. G. at 40 per share, s 30.
25 shs Bullion, G. H., at 65 per share.
40 shs North American at 65 per share.
10 shs North American at 67 per share.
10 shs North American at 66 per share.
5 shs Baltic at 43 per share.
10 shs Baltic at 41½ per share.

AFTERNOON SESSION.

8 shs Overman at 190 per foot.
5 shs Overman at 200 per foot.
1 sh Chollar at 915 per foot.
20 shares Daney at 30 per foot.
8 shs Gould & Curry at 1700 per foot.
4 shs Gould & Curry at 1700 per foot, r w.
4 shs Gould & Curry at 1685 per foot.
4 shs Gould & Curry at 1675 per foot, s 30.
4 shs Gould & Curry at 1690 per foot.
4 shs Gould & Curry at 1695 per foot.
180 shs Ophir at 400 per foot.
300 shs Ophir at 400 per foot.
300 shs Ophir at 400 per foot.
2 shs Hale & Norcross at 450 per foot.
5 shs Savage at 1900 per foot.
5 shs Burning Moscow at 69 per share.
5 shs Burning Moscow at 70 per share.
5 shs Burning Moscow at 71 per share.
5 shs Burning Moscow at 72 per share.
5 shs Burning Moscow at 73 per share.
25 shs Burning Moscow at 74 per share.
30 shs Burning Moscow at 75 per share.
50 shs Burning Moscow at 72½ per share, s 30.
1 shs Burning Moscow at 77½ per share, b 10.
25 shs Bullion C. H. at 92 per share.
5 shs Baltic at 35 per share.
0 shs Buckeye at 9¾ per share.
4 shs Buckeye at 10 per share.
6 shs Blue Ledge at 1½ per share.
Amount of sales.....$112,455 00

Tuesday, October 18.

140 shs Daney at 25 per foot, s 30.
6 shs Yellow Jacket at 725 per foot.
1 sh Yellow Jacket at 700 per foot.
4 shs Potosi at 8.5 per foot.
2 shs Potosi at 850 per foot, b 30.
2 shs Savage at 1900 per foot.
1 shs Gould & Curry at 1680 per foot.
12 shs Ophir at 390 per foot.
12 shs Ophir at 400 per foot.
12 shs Ophir at 405 per foot.
3 shs Burning Moscow at 77½ per share.
10 shs Burning Moscow at 78 per share.
15 shs Burning Moscow at 80 per share.
10 shs Burning Moscow at 85 per share.
10 shs Burning Moscow at 86 per share.
10 shs Burning Moscow at 88 per share.
10 shs Burning Moscow at 89 per share, s 5.
10 shs Burning Moscow at 90 per share, b 30.
10 shs Burning Moscow at 80 per share, s 30.
5 shs Burning Moscow at 87 per share.
3 shs Bullion, C. H., at 100 per share.
20 shs Bullion at 105 per share.
10 shs Imperial at 155 per share.
20 shs Pride of the West at 6¾ per share.
4 shs Buckeye at 9½ per share.
10 shs Lady Bryan at 5 per share.
20 shs Blue Ledge at 1½ per share.
10 shs Real del Monte at 24 per share.
55 shs Wide West at 28 per share.
10 shs Wide West at 28 per share, r w.

AFTERNOON SESSION.

5 shs Overman at 155 per foot.
1 sh Overman at 160 per foot.
4 shs Overman at 150 per foot.
16 shs Overman at 150 per foot.
5 shs Overman at 160 per foot.
5 shs Overman at 155 per foot.
6 shs Hale & Norcross 465 per foot.
2 shs Hale & Norcross at 455 per foot.
4 shs Hale & Norcross at 460 per foot.
10 shs Burning Moscow at 90 per share, 13 ds.
30 shs Burning Moscow at 90 per share, b 30.
50 shs Burning Moscow at 92 per share, b 30.
5 shs Burning Moscow at 88 per share.
15 shs Burning Moscow at 87 per share.
32 shs Burning Moscow at 86 per share.
5 shs Burning Moscow at 85 per share.
6 shs Burning Moscow at 81 per share.

20 shs Bullion, G. H., at 110 per share.
30 shs Wide West at 25 per share.
30 shs Buckeye at 8 per share.
15 shs Imperial at 153½ per share.
Amount of sales.....$53,376 00

Wednesday, October 19.

8 shs Gould & Curry at 1670 per foot, r w.
4 shs Gould & Curry at 1665 per foot.
4 shs Gould & Curry at 1660 per foot, r w.
2 shs Hale & Norcross at 491 per foot.
10 shs Overman at 150 per foot.
20 shs Imperial at 153 per share.
4 shs Pride of the West at 6¼ per share.
India Rubber at 2¼ per share.
9 shs Buckeye at 7½ per share.
30 shs Nevada J. G., at 45 per share.
25 shs Sierra Nevada at 55 per share.
20 shs Burning Moscow at 76 per share.
5 shs Burning Moscow at 75 per share.
5 shs Burning Moscow at 69 per share.
5 shs Burning Moscow at 67⅛ per share.
20 shs Burning Moscow at 65 per share.
5 shs Burning Moscow at 64 per share.
10 shs Bullion, G. H., at 110 per share, s 30.
1 sh Bullion, G. H., at 111 per share.
10 shs Barnon at 6¾ per share.
$7,000 Legal Tender Notes at 50 per cent.
$ 5,000 Legal Tender Notes at 49 per cent, 30 ds.

AFTERNOON SESSION.

5 shs Sheba at 68 per foot.
1 sh Yellow Jacket at 750 per foot, b 10.
1 sh Yellow Jacket at 750 per foot.
8 shs Gould & Curry at 1650 per foot, r w.
34 shs Gould & Curry at 1650 per foot, s 30.
60 shs Daney at 30 per foot.
15 shs Wide West at 26 per share.
50 shs Lady Bryan at 6 per share.
10 shs Burning Moscow at 64 per share, s 30.
10 shs Burning Moscow at 65 per share.
50 shs Burning Moscow at 65½ per share.
20 shs Burning Moscow at 67 per share.
20 shs Burning Moscow at 66 per share.
10 shs Burning Moscow at 65 per share.
10 shs Burning Moscow at 69½ per share, b 30.
25 shs Burning Moscow at 68 per share.
25 shs Burning Moscow at 64 per share, r w.
10 shs Burning Moscow at 68½ per share, b 30.
10 shs Burning Moscow at 68 per share, b 30.
10 shs Burning Moscow at 63 per share, r w.
10 shs Burning Moscow at 63 per share.
10 shs Burning Moscow at 60 per share, s 30.
20 shs Sierra Nevada at 52½ per share.
20 shs Sierra Nevada at 50½ per share.
40 shs Sierra Nevada at 50 per share.
10 shs Sierra Nevada at 51 per share.
20 shs Sierra Nevada at 50 per share, r w.
2 shs Imperial at 151 per share.
3 shs Imperial at 153 per share.
30 shs Nevada, J. G., at 45 per share.
10 shs Golden Age & Emplre at 10½ per share.
15 shs Golden Age & Emplre at 11 per share.
10 shs Antelope at 50 per share.
Amount of sales.....$67,080 50

Thursday, October 20.

72 shs Ophir at 450 per foot.
12 shs Ophir at 455 per foot.
12 shs Ophir at 445 per foot.
16 shs Chollar at 950 per foot.
20 shs Sheba at 65 per foot.
6 shs Overman at 150 per foot.
6 shs Overman at 152½ per foot.
5 shs Overman at 160 per foot, b 10.
5 shs Overman at 160 per foot.
1 sh Savage at 1850 per foot.
5 shs Savage at 1800 per foot, r w.
4 shs Savage at 1775 per foot.
4 shs Gould & Curry at 1625 per foot.
4 shs Gould & Curry at 1600 per foot, s 30.
1 sh Gould & Curry at 1600 per foot.
2 shs Gould & Curry at 1610 per foot.
6 shs Hale & Norcross at 490 per foot.
4 shs Hale & Norcross at 485 per foot.
3 sh Yellow Jacket at 750 per foot.
30 Sierra Nevada at 50 per share.
10 shs Real del Monte at 25 per share, b 10.
3 shs Imperial at 153 per share.
20 shs Imperial at 151½ per share, s 30.
30 shs Blue Ledge at 1 per share.
11 shs Pride of the West at 7 per share.
10 shs Wide West at 25 per share.
10 shs Wide West at 26 per share, r w.
10 shs Burning Moscow at 67½ per share, r w.
10 shs Burning Moscow at 68 per share.
10 shs Burning Moscow at 68½ per share.
10 shs Burning Moscow at 69 per share.
20 shs Burning Moscow at 70 per share.
30 shs Burning Moscow at 70 per share, r w.
20 shs Burning Moscow at 67 per share, s 30.
5 shs Baltic at 33 per share.
10 shs Nevada, J. G. at 44 per share.
10 shs Lady Bryan at 5¾ per share.

AFTERNOON SESSION.

36 shs Ophir at 425 per foot, s 60.
8 shs Savage at 1800 per foot.
1 sh Yellow Jacket at 750 per foot, s 30.
5 shs Yellow Jacket at 800 per foot.
1 sh Uncle Sam at 210 per foot.
4 shs Uncle Sam at 200 per foot.
12 shs Chollar at 950 per foot.
12 shs Gould & Curry at $1600 per foot.
40 shs Buckeye at 6 per share.
15 shs Wide West at 25 per share.
25 shs Burning Moscow at 73 per share.
6 shs Burning Moscow at 75 per share.
10 shs Burning Moscow at 80 per share, b 30.
10 shs Burning Moscow at 76½ per share.
5 shs Burning Moscow at 77 per share.
10 shs Burning Moscow at 75 per share.
10 shs Burning Moscow at 74 per share.
45 shs Burning Moscow at 72 per share.
40 shs Burning Moscow at 70 per share.
20 shs Burning Moscow at 74 per share.
10 shs Burning Moscow at 78 per share, b 30.
25 shs Burning Moscow at 71½ per share.
5 shs Sierra Nevada at 50 per share.
20 shs Imperial at 150 per share, s 30.
Amount of sales.....$92,617 00

Friday, October 21.

4 shs Gould & Curry at 1600 per foot, s 30.
4 shs Gould & Curry at 1600 per foot.
1 sh Uncle Sam at 220 per foot.
5 shs Yellow Jacket at 800 per foot.
4 shs Sheba at 65 per foot.
21½ shs Overman at 170 per foot.
40 shs Daney at 27½ per foot.
5 shs Imperial at 152 per share.
5 shs Imperial at 151 per share, b 5.
15 shs Pride of the West at 7 5/16 per share.
15 shs Nevada, J. G., at 42 per share.
170 shs Burning Moscow at 71⅝@69 per share.
20 shs Burning Moscow at 65 per share, s 30.
1 sh Burning Moscow at 68 per share.
10 shs Golden Age & Emplre at 13½ per share.
30 shs Wide West at 26 per share.
10 shs Wide West at 24 per share, b 30.
30 shs Buckeye at 7 5/16 per share.
20 shs Bullion, G. H., at 110 per share.
12 shs North American at 40 per share.
10 shs Real del Monte at 24 per share.
$ 1,500 Legal Tender Notes at 49 per cent.

AFTERNOON SESSION.

12 shs Imperial at 149 per share.
5 shs Imperial at 148 per share.
8 shs Gould & Curry at 1665 per foot, s 30.
4 shs Gould & Curry at 1610 per foot, s 30.
39 shs Burning Moscow at 70 per share.
10 shs Burning Moscow at 68 per share.
15 shs Burning Moscow at 67 per share.
10 shs Burning Moscow at 66 per share, s 30.
20 shs Burning Moscow at 70 per share, b 10.
10 shs Burning Moscow at 72½ per share, b 30.
65 shs Burning Moscow at 67 per share.
20 shs Burning Moscow at 72½ per share, b 30.
10 shs Burning Moscow at 70 per share, b 30.
20 shs Burning Moscow at 67 per share.
20 shs Burning Moscow at 68 per share.
5 shs Bullion, G. H., at 120 per share, b 10.
8 shs Daney at 27 per foot.
10 shs Justis at 40 per share, s 30.
10 shs Justis at 42 per share.
25 shs Green, G. H., at 5 per share.
10 shs Pride of the West at 8 per share.
10 shs Yellow Jacket at 750 per foot, s 60.
$ 6,000 Legal Tender Notes at 49½ per cent, 30 days.
Amount of sales.....$76,715 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month's dividend $ ft.	Recent Assessments Per foot	Total Assts $ ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00	....	Jan 18, $8; May 31, $5.	$18 75
Belle	1,200	1	1,800	200 00	25 00	13 00	....	July 23, $6; Oct. 12, $10.	45 00
Bazaar and Branch Ext.	4,000	1	4,000	100 00	—	2 00	....	July 20, 25. Aug. 3, $5.	18 25
Best & Belcher	2,400	4	850	500 00	200 00	250 00	....	May 17, $100; Sept 21, $30.	230 00
Burning Moscow	4,100	....	4,100	100 00	65 00	70 00	....	Jan 19, $15; June 24 $5	50 75
Barnside	2,800	1	2,800	500 00	....	8 00	....	Feb 16, $2, Aug. 31, 50c.	9 50
Belcher	1,040	3	120	1,000 00	650 00	720 00	.... $21....		—
Buckeye	3,000	....	2,800	100 00	6 00	7 00	....	Aug 15, $2, Oct. 21, $5.	23 20
Bullion, G. H.	2,500	1	2,500	200 00	110 00	112 00	....	Sept 18, $10, Sep 17, $10.	
California	300	12	3,000	300 00	—	—	....	July 12, $150 00	
Central	150	12	1,800	500 00	—	—	....	Jan 23, $15;	
Caledonia Tunnel	5,000	1	5,000	400 00	1 00	3 00	....	May 25, $3; July 12, $1½	19 50
Crown Point	395	4	1,572	100 00	600 00	650 00	....	Oct 13, $25.	100 00
Chas. Canry	1,800	1	1,800	30 00	—	15 00	....	Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,300	4	5,600	800 00	960 00	1,000 00	....	Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	60 00	27 00	30 00	....	Jan 20, $12; Sept 15, $10.	68 00
Desert	2,200	1	2,200	100 00	—	—	....	Jun 20, $1.	8 00
El Dorado	1,000	1	1,000	500 00	—	—	....	Mar 10, $2; Oct. 13, $1.	25 00
Empire M. & M. Co.	75	16	1,200	833 00	550 00	650 00	.... $30....		
Gould & Curry	1,200	4	4,800	500 00	1,600 00	1,610 00	.... $50....		
Grass Valley	4,200	1	4,200	500 00	—	10 00	....	Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	465 00	490 00	....	July 18, $50; Sept. 13, $50.	425 00
Imperial	184	....	4,000	500 00	150 00	162 00	....$7.50....	Dec 22, $12 50 per share.	210 00
Iowa	1,200	1	1,200	1,000 00	—	12 00	....	Nov 18, $1; July 16, 26.	27 00
Lady Bryan	6,000	1	6,000	100 00	6 00	7 00	....	May 11, $3; July 19, $3.	18 25
Lucerne	1,800	1	1,800	100 00	—	—	....	Nov 27, $3; Feb 16, $3.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00	....	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	12 00	18 00	....	Nov 23, $10; Feb 18, $10	
Nevada, J. G.	2,100	1	2,100	500 00	41 00	42 00	....	Aug 9, $20; July 20, $12.	32 00
North Potosi	2,000	1	2,000	250 00	—	10 00	....	Aug 6, $12½; Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	37 00	40 00	....	Mar 23, $20; Sept 2 $2.	
North Ophir	1,600	1	1,600	500 00	—	—	....	Nov 11, $1; Mar 25, $5.	
Norton	1,000	1	1,000	50 00	—	8 00	....	Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	500 00	420 00	450 00	.... $48....		
Overman	1,200	1	1,200	500 00	105 00	170 00	....	June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	700 00	800 00	....	Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00	....	Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	7 00	8 00	.... $5....	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	1,725 00	1,800 00	.... $50....		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—	....	Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00	....	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	42 00	44 00	....	Mar 8, $5, May 16, $10.	06 00
Spanish No. 2	1,600	1	1,600	500 00	—	20 00	....	Mar 26, 25; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	220 00	240 00	....	Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—	....	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	25 00	50 00	....	June 17, $30; Oct 6, $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	790 00	800 00	....	July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	45 00	50 00	....	Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—	....	Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00	....		12 25
Falls of the Clyde	6,000	1	6,000	10 00	—	—	....	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	13 00	14 00	.... $5....		
Nevada	600	2	1,200	250 00	—	—	....	Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	24 00	25 00	....	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	5 00	7 00	....		8 25
Ural	400	1	400	500 00	—	—	....	Nov 18, $20.	
Utah	1,000	1	1,000	250 00	—	5 00	....	Jan 5, $3; Sept 20, $12½	19 00
Wide West	2,600	1	2,600	500 00	20 00	27 00	....	Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000	....	3,600	600 00	—	—	....	Jan 20, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	7 00	8 00	....	Oct 19, $3; July 31, 50c.	12 00
San Carlos	....	....	2,600	100 00	—	—	....	Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	4 00	....	Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	—	20 00	....	J'ly 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	05 00	70 00	....	Mar 10, $10; Aug 12, $20	62 35

REESE RIVER DISTRICT.

Amador	1,400	....	....	....	—	—	....	May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—	....	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—	....		
Oregon	800	2	1,600	500 00	—	20 00	....		1 07
Union No. 2	1,000	1	1,000	500 00	—	—	....	Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	—	—	....	May 11, $10; June 25, $5.	16 00
Willow	2,800	....	1,400	200 00	—	—	....	Nov 24, 50c.	
Yankee Blade	1,400	....	1,400	500 00	—	—	....		
North Star	1,000	1	1,000	500 00	—	60 00	....	Mar 28, $1, Sept 5, $3.	5 50
Guy, Seymour	1,000	1	1,000	500 00	—	—	....		1 50
Diana	1,200	1	1,200	500 00	—	—	....		1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—	....		2 00
Joe Lane	1,000	1	1,000	500 00	—	—	....	Jan 18 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—	....	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dias Padre	2,200	1	1,920	500 00	—	40 00	....	Aug 27, $3; Jan 28, $3.	47 00
Mina Pricta	2,200	1	2,200	1,000 00	—	—	....	Feb 10, $30; Aug 23, $10.	150 00
Spade Guadelupe	3,000	1	3,000	1,000 00	—	—	....		9 00
San Marcial	13,200	1	13,200	100 00	—	25 00	....		
San Nicholas	1,200	1	1,200	100 00	—	—	....	Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00	....	Jun 10, $1½; Oct 5, $1½	
Fellows	2,500	1	2,500	100 00	—	—	....		
Mahoney	3,000	1	3,000	50 00	—	13 00	....	May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	—	80 00	....	Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	—	25 00	....	June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	April 10th.	April 20th.	May 2d.	May 10th.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.
Gould & Curry.....per ft.	$4,550	$4,400	$4,100	$3,850	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,650	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300
Ophir	1,580	1,500	1,225	1,100	1,200	825	850	720	725	670	625	450	500	460	360	320	380	
Savage	2,600	....	2,250	2,150	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400
Potosi	1,050	900	850	635	900	850	950	1,000	900	1,000	925	875	900	890	800	690	720	
Chollar	315	400	500	600	650	500	575	515	375	425	300	300	325	475	550	650	660	630
Hale & Norcross	625	....	600	550	525	500	425	350	475	350	....	200	....	300	450	425	240	350
Sheba	115	110	115	110	100	90	80	75	70	60	40	25	20	80	95	75	70	
Daney	105	110	100	82	....	60	....	60	....	50	45	30	35	....	35	30	....	20
Wide West	22	25	25	25	22	20	15	12	10	8	7	20	17	18	20	31	27	35
Burning Moscow	100	103	95	80	55	52	45	40	23	15	13	12	15	13	20	19	27	60
Pride of the West	95	85	75	30	16	8	10	5	6	3	2	....	2	....	2	....	2	8
Bullion	73	70	68	80	70	68	65	70	65	50	50	40	30	....	....	40	40	55
Real del Monte	71	....	68	50	48	40	41	32	23	15	12	11	15	16	14	15	19	35
El Dorado	....	....	....	....	....	....	....	....	....	....	10	8	10	12	5	....	....	....
Overman	300	400	300	250	....	....	200	200	250	200	....	250	225	....	150	175	160	....
Sierra Nevada	75	....	65	60	55	....	....	....	....	20	15	16	15	....	10	22	20	....
Yellow Jacket	....	....	900	800	750	750	950	900	850	700	600	450	400	450	375	400	575	600
White & Murphy	450	450	400	....	....	....	....	....	....	....	300	....	....	....	....	....	....	....
Sides	500	450	350	....	....	....	....	....	....	400	200	....	175	....	....	....	....	....
Uncle Sam	1,000	950	800	700	700	650	700	610	....	400	350	250	190	210	200	200	....	300
Baltic	160	135	115	100	65	75	70	55	45	40	22	15	13	13	16	24	23	22
North American	130	185	165	150	110	122	120	90	65	62	54	30	....	25	25	25	30	25
Baltimore American	42	55	52	50	47	35	....	50	40	42	35	30	32	20	20	15	25	....
Mehones	....	40	35	25	15	20	15	....	12	10	12	9	13	17	13	13	....	....
Antelope	150	....	160	....	147	....	125	130	100	65	70	50	....	....	14	12	20	15
Napoleon	80	....	....	80	75	70	80	75	70	65	60	45	....	50	60	....	....	....
Sacramento	50	52	53	50	50	60	45	....	....	....	20	....	....	....	....	....	....	....
Utah	21	23	28	20	....	....	28	26	30	16	15	16	....	....	....	....	5	....
Lady Bryan	67	60	42	30	35	23	32	25	25	10	4	5	4	5	5	7	5	9

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three quarters of one per cent. on the amount of purchase or sale.

FRANK LAWTON, Secretary. J. B. E. CAVALLIER, President.

Mechanical.

A Naval Mystery. It is well known that much mystery has been kept up with regard to the motive power that is to be employed on the ironclad Dictator and Puritan. A late number of the N. Y. *Times*, speaking of this matter, makes the following interesting and important statement :—

It is quite useless to conceal the fact that no steam power will propel the great iron-clad Dictator on her forthcoming European voyage. The Ericsson caloric engine will be the motive power, and the manner in which its progress at the Delameter Iron Works has been effected without the slightest intimation on the part of the press that anything mysterious was going on, shows that the contractor attaches undue importance to secrecy. If the engine fails—as fail we are assured it cannot—this Country must know the fact some time or other; if it succeeds, premature announcements cannot impair, but must necessarily enhance the triumph of genius. The Dictator is now slowly fitting out. The Puritan is not known to have a caloric engine, but it is not unlikely that her moving force will be the same as that of the Dictator, if that should succeed, as the Puritan cannot soon be finished.

Something New.—At the carpenter shop of W. H. Blood, Esq., on C street, between Fourth and Fifth streets, may be seen the greatest novelty in the way of a washing machine that it has ever been our luck to look at, and it is really well worth the trouble of a trip round town to see it. It completely does away with hot stoves and dirty kitchens on wash day, for it at one operation boils, washes and wrings the clothes that are subjected to its cleansing process. It is not quite equal to the Yankee machine, into one end of which you might place a live sheep and take from the other your dressed mutton, tanned sheep's skin, hank of wool yarn, and a dozen fine tooth combs, but into one end of this institution place your dirty clothes and in transitu you will have them boiled, sonped, rubbed and wrung ready to be hung on the line for drying. Just think of it ladies and go look at it, and take our word for it you will instantly say, "why, it works like a real flesh and *Blood* machine." Mr. Blood received a patent for this product of his inventive genius January 12th, 1864, and is now for the first time manufacturing them for sale. And all that remains for him to do to make his fortune is to *advertise*—"a word to the wise," etc.—Marysville *Appeal*.

Severe Trial on a Gun.—The Hartford *Press* gives the following account of a trial of one of Ames' wrought iron guns The size of the gun is not given, but we suppose it must have been a large navy gun :

The gun trial by Ames was a lighter one than that tried at Bridgeport. He loaded it to within fourteen inches of the muzzle with powder and wadding, then put in a projectile eighteen inches long, projecting from the muzzle one-third of its length. He then placed the gun close against an embankment ten feet thick, composed of several tons of iron backed up with earth, and set a slow match to the gun and fired it. The enormous gun recoiled sixty feet and drove the projectile through the solid embankment of iron and earth.

This certainly was a severe test of the strength of the gun, almost too severe to serve any practical purpose without injuring good iron.

Drilling Upward.—A machine has been invented for boring upward from tunnels, for the purpose of ventiluting mines. We have not seen the machine, but it is described as working about in the same way as augers used in boring salt and oil wells. The auger is spliced as the work progresses, and as the boring is upward there is no trouble about cleaning the hole of chips, as they drop down as fast as made. A three-inch air shaft is just as good as a means of ventilation as one three feet in diameter.—*Enterprise*.

Washington's Sword.—The Fishkill (N. Y.) *Journal* says : We have lately learned a fact which is new to us, and probably will be to most of our readers. The sword which General Washington carried through the revolution was made in this village, at a shop which then stood near what is now the residence of Charles C. Rogers. This venerable weapon is now in the Patent Office, at Washington, and still bears the imprint of the maker's name, in these words : ' J. Bailey, Fishkill. '

The New York *Express* says that the Printer's Union, by their last strike, will bring 2,000 women into the trade within a year and half as many apprentices. Much of the printing labor in the country is now performed by women. The former will make $10 a week or $500 a year. The types on three of the New York city weekly journals are now mainly set by women.

The Hammer and the Pen.—We read that the pen is mightier than the sword ; reasoning metaphorically, the statement is true. But the hammer is more powerful than either, by the argument that deeds are more cogent than words. The pen inspires mankind to great efforts by the glowing words proceeding from it. The sword hacks and carves a brilliant name for him who wields it ; but, before its advance, the nations of the world shrink back in dread, and the women and children cower in fear. By the light of the bursting shell, or the glare of dwellings in flames, it stands out and gleams balefully against the sky, and only over human anguish and agony does it stride to triumph and renown.

Who ever feared the hammer or its deeds? Those who rush along the iron roads of the land—those who plow the waters of the river or the ocean—these experience the triumph of the hammer, know well its power and how indispensable it is. The pen may stimulate and incite to greatness, but it cannot achieve it ; the sword bends all things to its will, but it burns like a consuming fire and mankind writhes in agony before it. Only the hammer is all powerful and peaceful. By it thousands live and grow rich. With it men amass wealth and build up the bulwarks of the nation ; hunger is kept at bay, and famine is put to flight ; peace exalts her head, and hard-fisted toil finds no time, leisure or inclination to wreathe the bow of Mars. The pen bows to the hammer and does it homage. A man may live in physical comfort without a book in the house, but he cannot exist without being indebted to the hammer or its equivalent. The pen sings the praises of the hammer and indites eulogiums upon its numerous achievements ; few are the monuments the hammer deigns to raise in honor of literature. The pen is mightier than the sword, because it achieves its object through reason and not force, and also in that it is infinitely more civilized and humane in its effects upon the world ; but the hammer conquers even more territory than the pen, and is, in this way, invincible. No country is too remote or wild, too savage to resist its weight ; nor any metal, wood, or vegetable powerful enough to defy it. Without the hammer—a symbol of toil, as the pen is of thought and the sword of violence—the world could not exist in comfort and refinement.—*American Artisan*.

An Exciting Incident.—A correspondent of the Gold Hill *News* gives the following account of an incident which occured on board the Panama Steamer Costa Rica, on one of her late trips to New York :—

One night about eleven o'clock, the engine was suddenly stopped, the firemen were ordered to throw open their doors, and the alarm of fire was given. One of the huge journals on the main shaft had become almost red hot from friction and want of oil, and had set fire to the surrounding wood work. The conflagration was fortunately extinguished, but an examination showed that other portions of the machinery were in equally as bad a condition, and during the remainder of the trip four streams of water from hose were kept constantly upon different journals, to prevent their setting the ship on fire. So intolerable did this state of things finally become, that a committee of gentlemen, several of them leading business men in San Francisco, were appointed to wait upon Captain Jones, and request him either to run into a port and ballast the vessel, or land us on some of the West Indies that we were fast approaching. He took the former alternative and concluded to enter the harbor of Cape Haytien on the island of Hayti, which is the U. S. naval depot in the West Indies.

Who Invented the Iron-Planing Machine?—There have been few valuable inventions without several claimants for the honor of their origination. One of the most valuable of all machines is the planing-machine for planing iron ; and it is not too much to say that, without it, the machinery of the present day could never have reached so high a degree of perfection as it has. According to Mr. Smiles, in his "Industrial Biography," the merit of inventing this ingenious machine is claimed for no less than three English mechanics, viz.: James Fox, of Derby, Richard Roberts, of Manchester, and Joseph Clement, of London. The exact date of the invention is not clearly ascertained, but it appears to have been somewhere about the year 1814. It is certain, however, that for many years later than this, Joseph Clement's was the only machine in London capable of planing anything of large size ; and all other machinists of that city had to send their large work to be planed by it. The machine is said to have earned ten pounds per day. We presume that other countries might dispute with England the honor of this meritorius invention. We have no data which afford any knowledge on this point ; but we feel some curiosity to know the earliest period at which this machine was known in the United States.—*American Artisan*.

PROGRESS OF THE GEOLOGICAL SURVEY OF CALIFORNIA.

CONTINUED FROM LAST WEEK.

THE RELATIVE AGES OF THE MOUNTAIN CHAINS ON THE PACIFIC SLOPE.

In regard to the relative ages of the different mountain-chains of the Pacific coast, a few words may be added, premising that this subject will be as fully discussed as our materials will admit, in the Report.

There can be no doubt that the chain of the Sierra Nevada is older than the Rocky Mountain chain, or that group of chains or ranges which forms the eastern border of the great mountain region of the western side of the continent. The great mass of the Sierra was uplifted and metamorphosed after the termination of the Jurassic epoch, and prior to the deposition of the Cretaceous, for we find the last named formation resting horizontally and unaltered on the banks of the Sierra, all through Central California. The same statement is probably true with regard to the ranges east of this main crest of the Sierra Nevada, as far at least as the 116th meridian. But, although we have good reason to believe that these last-mentioned ranges were uplifted and metamorphosed after the close of the Jurassic period, we have not positive evidence that this took place prior to the Cretaceous epoch. Still, combining all we know of the geology of New Mexico and Nevada Territory, there appears to be little doubt that the system of the Sierra Nevada extends over a considerable area, east and west, embracing a number of nearly parallel ranges of mountains, some of which, indeed, are little inferior in extent and elevation to the Sierra Nevada proper.

We have recognized at least three distinct periods of upheaval and metamorphic action in the coast ranges. The main one was at the close of the Cretaceous ; the next in importance was after the deposition of the Miocene tertiary—or, at least, of a group of strata which, for the present, may be referred to that age. The next in age is a system of east and west upheavals, which took place at the close of the Miocene ; and the third is one which appears to have commenced during the later Pliocene, and to be still going on.

It is a very interesting fact, that the exterior of the coast-ranges—that is to say, the mountains nearest the Pacific—are of earlier date, or older geologically, than the interior ones, or those which border the Sacramento and San Joaquin valleys. This is a repetition on a smaller scale of what has been the course of events in the formation of the whole continent, the exterior lines having been first marked out, and the interior filled up afterwards.

THE DEEP GRAVEL RANGES.

The vast Tertiary formations on the flanks of the Sierra Nevada, so important as being the locality of the hydraulic mining operations, are not of marine origin, as has been so often asserted. The history of these deposits, their position, age, and other characters, are exceedingly interesting ; but it is impossible, in this connection, to do more than hint at some of their main features.

There is perhaps no subject connected with the geology of the Pacific coast, in regard to which there are so many misapprehensions, as there are in what has been published by geologists on the nature and distribution of the detrital deposits which are so extensively worked by the methods known as hydraulic and tunnel mining. It has been assumed that these deposits are of marine origin, and that they originally extended over the whole western slope of the Sierra Nevada, a condition of things which, were it true, it would be of vast importance for California to know ; but the real facts of the case are entirely different.

In the first place, these deposits are not of marine origin, as is proved by the fact that, although frequently found to contain impressions of leaves, masses of wood and imperfect coal, and even whole buried forests, as well as the remains of land animals, and occasionally those of fresh water, not a trace of any marine production has ever been found in them.

Again, these detrital deposits are not distributed over the flanks of the Sierra in any such way as they would have been if they were the result of the action of the sea. On the contrary, there is every reason to believe that they consist of materials which have been brought down from the mountain-hights above and deposited in pre-existing valleys ; sometimes in very narrow accumulations, simple beds of ancient rivers, and at other times in wide lake-like expansions of former watercourses ; and this under the action of causes similar to those now existing, but probably of considerably greater intensity. This deposition of detritus, for the most part auriferous, took place during the later Pliocean epoch, and not as late as the drift or diluvial period, as is abundantly proved by the character of the remains of plants and land animals which are imbedded in it.

The deposition of this auriferous detritus was succeeded, throughout the whole extent of the Sierra Nevada, by a tremendous outbreak of volcanic energy, during which the auriferous gravel was covered by heavy accumulations of volcanic sediments, ashes, pumice, and the like, finally winding up by a general outpouring of lava, which naturally flowed from the summits of the Sierra through the valleys, into the lake-like expansions, filling them up and covering over the auriferous gravels, which were to remain for ages, as it were, in a hidden treasure chamber, concealed under hundreds of feet in thickness of an almost indestructible material.

The effect of the denudation which has taken place since these streams of lava flowed down the mountains, has been most extraordinary. For now, these deposits of gravel and overlying volcanic materials, instead of occupying the depressions of the surface, are found forming high plateaux between the present river cañons and flat-topped ridges, known as "Table mountains," hundreds, or even thousands, of feet above the present river beds. Thus the topography of the country is exactly the reverse of what it was at the commencement of the present geological epoch ; what were once valleys are now ridges, and the ridges of former times were where the immense cañons of the rivers flowing down the western slope of the Sierra now are. The proof of this assertion, and the interesting bearing it has on the tunnel and hydraulic mining interests of California, will be fully set forth in the Report of the Survey.

The Mammalian remains found in the tunnel and placer diggings of California seem to belong to two distinct epochs. The oldest represents the Pliocene, the other the Post-tertiary. The former are found under the volcanic beds, the latter in deposits which have been formed since the period of greatest volcanic activity, and which apparently belong to the epoch of Man. For it appears that the facts collected by this Survey, when fully laid before the public, will justify the assertion *that the mastodon and elephant, whose remains are so widely and abundantly scattered through California, have been cotemporaneous with Man in that region.*

The above are a few of the more interesting facts developed by the Geological Survey of California, and of which the full details will be laid before the scientific public with as little delay as possible.

METALLURGY AND MINING.

Particular attention will be paid to these departments of the Survey during its continuance, and no pains will be spared to throw all possible light on the mode of occurence of the valuable metals and ores, the method of working them, and the processes now in use on the Pacific coast. It is estimated that two volumes will be required for this division of the Report.

BOTANY.

It is believed that the progress in this department, under Prof. Brewer's direction, has been sufficient to warrant the assertion that a "Manual of the Botany of California" will form a portion of the work of the Survey. The large collections of plants already made have been distributed to different high authorities in each department, and Prof. Brewer expects to return to the East in a short time, to commence the preparation of such a work as, it is believed, will be a most important help to the study of the botany of the Pacific coast.

ZOOLOGY.

The working up of the zoological collections of the Survey is now in progress under Dr. Cooper's direction. It has not yet been decided how many volumes will be required for their full description and illustration.

The publication of so large a mass of materials will necessarily occupy several years, and it will of course depend on the action of future Legislatures how fully and how rapidly our results are laid before the public in a printed form. Three volumes are already provided for, and, as has been already stated, they will be sold at a moderate price, and the proceeds, as required by law, paid over to the common school fund of the State.

J. D. Whitney.

Northampton, Mass., Aug. 1, 1864.

Insects as Food.—In Africa they eat ants stewed in butter. In Sweden they distil them with rye, to give a peculiar flavor to brandy. Pressed ant eggs yield a mixture resembling chocolate with milk, of which the chemical composition really resembles that of ordinary milk. The large termites, or white ants, which are so destructive to houses and furniture, are roasted by the Africans in iron pots, and eaten by handfulls as sugar-plums. They are said to be very nourishing, and to taste like sugared cream or sweet almond paste. As for locusts, "the Africans," says Dr. Phipson, "far from dreading their invasions, look upon a dense cloud of locusts as we should so much bread and butter in the air. They smoke them, or boil them, or salt them, or stew them, or grind them down as corn, and get fat upon them."—*All the Year Round*.

Mining and Scientific Press.

W. U. EWER,.....SENIOR EDITOR.

C. W. S. SMITH. W. A. EWER. A. T. DEWEY.

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American and Foreign Patents.—Letters Patent for inventions secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:

Saturday Morning, Oct. 22, 1864.

The Importation of Cotton into England, from all sources, at the breaking out of the present rebellion, was about 500,000 tons annually. Since the stoppage of the American importation, the increase from other sources has amounted to fully 50,000 tons, semi-annually. The receipts of cotton in English ports for the present year will amount to about 350,000 tons, exclusive of the contraband trade from this country. That for 1865 will nearly or quite arrive at the highest amount which her importations of this staple reached previous to the rebellion. The rebellion has thus not only put an effectual extinguisher upon slavery, but has also quite as successfully destroyed the monopoly which this country had acquired in the growth of this great staple. American cotton can never again control the market of the world, although for a long time yet its superior quality will probably command for it a higher price than can be obtained for that grown in other parts of the world. Yet, as experiments may demonstrate the adaptability of other regions to its culture, which condition, if coupled with a price of labor at all approaching to that of the East Indies, the slight advantages we possess, at the close of the war, in the culture and exportation of this eminently American staple product, will be destroyed.

Art Union.—The leading artists of this city have held a preliminary meeting for the purpose of organizing a California Art Union. A Committee was appointed to draw up a plan o organization and report at a subsequent meeting. Such an institution would do much in this city to cultivate a popular taste for the fine arts, and encourage those among us who are devoting their time, energy and genius to the production of works in this line which shall be a credit to the State. There is talent enough in the State to ably sustain such an institution if the people will only unite in its pecuniary support. Let us have an Art Union in San Francisco, on the plan of similar institutions in New York, Philadelphia, and other Eastern cities.

A Boy in Search of His Father.—A son of Jonathan R. Dexter, formerly of Mattapoisett, Mass., eighteen years of age, is now in Sacramento, anxious to find his father. The young man, now motherless, last heard from his father, in Sacramento, in 1852. He arrived in this city in April last, having worked his passage around Cape Horn, since which time he has supported himself and made diligent enquiry for his father. Any information intended for him will be thankfully received by Dr. Phelan, at the County Hospital, Sacramento, where the young man is now lying sick.

An awful volcanic eruption has taken place at the Island of Java, rendering a vast tract of land unfit for cultivation for many years. Life and property were sacrificed to an immense extent.

An American pint holds 7,000 grains of water.

EASTERN FINANCES AND TRADE.

Our latest advices from the East are to the 23d of September. At that date financial affairs were assuming a more satisfactory shape. The rapid decline in gold, and the eager bids for Secretary Fessenden's 6 per cent. loan, were features of the market. Gold had fallen 25 per cent in the previous ten days, and a further decline was anticipated. We have since learned, by telegraph, that it did take place, dropping from 200 to 180.

Many causes conduced to strengthen the public confidence in the finances of this country. One cause was, unquestionably, the fall of Atlanta. Even if Richmond is not to be taken this year, the importance of the success obtained by Sherman was deemed so great that everybody seemed to understand and appreciate it. It was thought that as soon as the Secretary of the Treasury succeeded in placing another loan on the market the price of all the prime commodities of life, of which the Government is so large a consumer, would very materially decline. The credit of the United States being strengthened, a large demand from abroad was anticipated for our securities.

It was remarked that while the stock markets in New York and Boston were without animation, and transactions exceedingly limited, Government Bonds were all in favor, and had risen from 5 to 10 ₱ cent.

The following is the comparative statement of the exports from New York (exclusive of specie) to foreign ports, for the week ending Sept. 15th and since Jan. 1st:

	1863.	1864.
For the week.....	$2,637,963	$5,286,408
Previously reported.....	119,047,064	135,461,594
Since Jan. 1st.....$121,685,027		$140,748,002

The following shows the imports of foreign dry goods and general merchandise for the week ending Sept. 15th and since Jan. 1st:

	1863.	1864.
Dry Goods	$1,657,000	$1,587,596
General Merchandise.....	2,015,000	2,313,858
Total for the week.....	$3,672,000	$3,901,454
Previously reported.....$124,339,261		$161,324,638
Since Jan. 1st.....$128,011,261		$165,226,092

The specie exports for the week ending Sept. 15th were..... $425,464
Previously reported..... 32,055,850
Total since Jan. 1st.....$32,481,314

HOME FINANCES.

The money market is abundantly supplied with Capital, and the applications for discount at Bank are lighter than for months past. The rate for most accommodations obtained through regular channels is still 1½ per cent per month, but a number of loans have been made this week by first class institutions at 1¼ per cent on prime securities. The foreign Banks recently established here are glad to get the latter rate for money, and are soliciting good business paper and other collaterals upon more favorable terms than are the older Bankers. The mercantile classes are requiring but little money at present for regular business purposes, and rates of interest, in the absence of an increased demand, are likely to decline.

The receipt of Bullion from the interior and mining district since last Saturday amount to $1,200,000. About $400,000 of this sum has gone into the mint for coinage.

Currency Bills on the Atlantic Cities for the steamer of to-day were current at 90@95 per cent premium on gold. Telegraphic transfers were sold at 5½@6 per cent premium, and drafts payable in coin at 3½@4 per cent.

Bullion was scarce and bars brought 840 @850. Silver was inquired for at ½ per cent premium to 3 per cent discount. Legal Tender notes at the close are selling at 49½@50 and the market is well supplied.

Indian Butchery.—Several shocking Indian butcheries have recently been perpetrated near San Bernardino. A man in charge of the Armagoza mill, at the fork of the Colorado and Salt Lake roads, has been murdered and the mill burned. About twenty miles distant, in a southerly direction, the same party of Indians met and murdered Mr. Joseph Gordon, sheriff of San Bernardino county, and Mr. Plate, formerly of this city. The quartz mill destroyed was chiefly owned by parties in this city.

COPPER AND TIN.

Copper is comparatively a soft metal; tin is still softer. Combine the two together by melting them in the same vessel, and the mass is very hard—much harder than either when taken separately. Again, copper is not one of the very heavy metals, and tin is still lighter than copper. Combine the two, as above, and you have a substance weighing more than both when taken separately. A bell made of copper would sound very dull, one made of tin would sound duller still—in fact it would be utterly devoid of sonorousness; but one made of a combination of the two metals is exceedingly and most agreeably sonorous.

The results of these combinations are very curious, and have elicited much study. The causes of some of the changes produced by chemical attraction between the two, are still involved in mystery. Tin and copper are among the most ancient metals employed by man, and for a long period were of more general application than iron, by reason of the more refractory character of the latter, both in its ore and as a metal. From tin and copper, in all probability, were made the earliest metalic household utensils and implements of war. The "braes" spoken of in the early scriptures, and by the most ancient profane writers, was doubtless an alloy of tin and copper, and not the composition now known by that name. Some of the peculiar chemical affinities of these two metals seems to have been understood at a very early period in the history of the earth, and in many respects probably better than at the present day. The proportion of the metals employed for manufacturing edge-tools has been found, by careful analysis, to be about five parts of copper to one part of tin. The same relative proportion is found in the tools which have been recovered from ancient tombs in Peru, from mines which were worked in Siberia at a period when time was young, and from the famous mines in the island of Elba, whose history had been forgotten even when Virgil wrote. We are not aware that any other metals can be so combined as to produce so complete a destruction of the former properties of either of the constituent parts. This change of properties is produced by "affinity," a principle common, in a greater or less degree, to all bodies when brought into a state of chemical combination. Of this principle we may have more to say at some other time.

The Golden Era.—We would call the attention of all newly-arrived Californians to the advertisement of this excellent weekly cotemporary, which appears in another column. We have seen the Era so frequently at the family fire-side and in the rude cabins of so many industrious miners that it would seem superfluous to recommend it to old Californians. It is the oldest literary journal on the coast, having stood the contest of competition with many excellent and worthy cotemporaries during the past twelve years. The present proprietors, Messrs. Brooks & Lawrence, having ably earned their success with the Era, are deserving of the extensive patronage the paper is receiving, as a popular journal for the general public.

The English after all appear to be catching the bird in the Mexican bush, which the French have so long been beating. The latter nation are humiliated at seeing the English take possession of Mexico with their money, as soon as the new French empire is established. The English have taken the contracts for the new railroad system of the country; the English merchants have already forestalled the markets with the products of English manufactures, and will doubtless forestall the French in getting possession of the most desirable mines.

It is said that government will derive three and a half million of dollars of revenue, the present year, from friction matches.

California Champagne.—The San Francisco *Mercantile Gazette* says that California champagne at $10 a case is superior to the imported article for which $20 is demanded.

Arrival of the Wateree.—This long expected gunboat made her appearance in our harbor, at an early hour, on Sunday morning last, and after steaming around the bay took her departure for naval headquarters, at Mare Island, to attend to any repairs that may be necessary, and report for duty. The Wateree is a side wheel steamer, with two masts and two pilot-houses. Her hull is so divided into water-tight compartments that she might be pretty well riddled and still be kept afloat. She is about 1,000 tons burthen, and carries eight heavy guns on her main deck. She has been 222 days on the trip; much of that time, however, has been spent in port. The Wateree is of a peculiar model, sharp, and with steering apparatus at both ends, and so arranged that she can run backward with as much facility as forward, a feature that, in action, gives her a vast superiority over the ordinary model, where manœuvres are to be accomplished with promptness.

Singular Occurrence.—Quite a singular accident occurred near Geneva, New York. It appears that a gentleman was riding along the road past a garden in which were a number of bee-hives, which, by some accident, just at that moment were overturned. The bees instantly made a furious attack on the horse and his rider. The horse could not be urged forward, and was left to his fate; while the rider, who was thrown at the first, ran along the road for half a mile, scraping the bees from his face in handsful, and crushing them in his agony, when a man seeing his condition, rushed out of a house and threw a quilt over his head, upon which the bees left. The unfortunate gentleman immediately washed himself with salt and water, and also drank freely of the liquid. He then went back and found his horse rolling and kicking in great agony, and notwithstanding all that could be done, he died soon. The gentleman believes that the free use of salt and water, and the subsequent liberal use of whisky, was all that saved his own life.

Another Explosion—One Life Lost.—The steamer Amelia collapsed her steam drum on Monday last, while on her way from Napa to this city. One of the firemen was so badly scalded that he died in about three hours. The steam fortunately escaped through the smoke stack; had it have been otherwise, the accident would have been calamitous in the extreme, as an unusual large number of passengers were on board. For a short time after the explosion the alarm and confusion among the passengers was very great, the noise of the rushing steam being highly suggestive of danger, and the officers with difficulty convinced them that such was not the case. The disabled steamer was overtaken and towed to this city by the Chrysopolis.

Spontaneous Combustion.—The Virginia *Union* says that there was "almost an alarm of fire" in Virginia City on the 12th inst., caused by the spontaneous combustion of certain chemicals in a trunk at Vance's photograph rooms on D street. The contents of the trunk were entirely destroyed and a hole burnt through the floor where the trunk stood. It was discoved just in time to prevent any further damage.

A Much Needed Improvement.—Sidewalks, nineteen feet wide are to be laid down in Brannan street, from Third to Ninth, as soon as the San Jose Railroad company shall have fulfilled their agreement to grade that street. It should be made somebody's business to see that the obligation on the part of the Railroad company was fulfilled.

A Novel Squirrel Trap.—The Contra Costa *Gazette* has seen a novel squirrel trap, the invention of a Mexican boy ten years old. It is a common ox horn, with a strongly twisted horse hair loop fixed in the end. The whole concern is staked firmly to the ground, and grain placed in the horn, tempts the animal to venture in. That is easy enough, but on backing out the loop takes him sure. Seven squirrels and a skunk were the results of the first day's trial. The boy wants to sell traps at $10 per hundred.

ELECTION OF OFFICERS.

ÆTNA G. & S. M. Co.—Meeting, Oct. 17th. Trustees: Simon Mayer, Henry Dresehfeld, I. Louis Sehrœder, George Treat and J. R. Smith. President, Simon Mayer; Secretary and Treasurer, Hugo Dresehfeld; Superintendent, E. O. Taylor.

BOSTON C. M. Co.—Meeting, July 6th. Trustees: H. H. Bigelow, W. O. Andrews, J. Preston Moore, Thos. Davidson and Charles Laton. President, H. H. Bigelow; Secretary and Treasurer, J. C. Hutchinson; Superintendent, Daniel McCarty.

CHIPONENA M. Co.—Meeting, October 10th. Trustees: G. Touchard, G. H. Howard, F. E. Lynch, H. F. Teschemacher, J. Mosheimer, F. Roeding and J. Caire. President, G. Touchard; Secretary, John F. Lohse; Treasurer E Berri; Superintendent, F. Bonacina.

COSALA S. M. Co.—Meeting, September 19th. Trustees: H. H. Toland, J. D. Thompson, C. Baum, W. R. Allen and John Wright. President, H. H. Toland; Secretary, A. F. Durney; Treasurer, W. W. Coghill.

DIOS PADRE G. & S. M. Co.—Meeting, Oct. 3d. Trustees: Ira P. Rankin, S. B. Whipple, F. Shoekley. President, Ira P. Rankin; Secretary, E. C. McComb; Treasurer, John Sime.

EL TASTE S. M. Co.—Meeting, Oct. 18th. Trustees: J. B. Roberts, J. O. Rountree, F. D. Carlton, B. E. Harris, J. R. Mead, C. Wittram and A. F. Sawyer. President, J. O. Rountree; Secretary, E. C. McComb; Treasurer, F. D. Carlton; Superintendent, W. H. Moore.

GREAT CENTRAL M. Co.—Meeting, Oct. 10th. Trustees: Chas. L. Wiggins, A. S. Evans, J. Carroll, John R. Mason, W. R. Satterlee, S. S. Tilton and Wm. Thompson. President, Chas. L. Wiggins; Secretary, Richard S. Clark; Treasurer, Wm. R. Wheaton; Superintendent, Wm. Thompson.

LA CHUREAS S. M. Co.—Meeting, Sept. 14th. Trustees: H. S. Ackermnn, R. Wertheman, John Winter, F. Schumacher, M. Homberger. President (pro tem.), R. Wertheman; Secretary, A. Mareus; Treasurer, R. Wertheman.

NOBLE GRAND M. Co.—Meeting, Aug. 31st. Trustee: John Kelsey. President and Treasurer, W. H. Baxter; Secretary, A. G. Wood; Superintendent, D. Witter.

PLANET C. M. Co.—Meeting, May 2d. Trustees: S. J. Ashley, Wm. Patton and Jas. McNamara. President, S. J. Ashley; Secretary, J. C. Hutchinson; Treasurer, M. M. Baldwin; Superintendent, R. Ryland.

SAN FRANCISCO MOSS LEDGE Co.—Meeting, Oct. 15th. Trustees: George Hearst, Silas A. Stone, F. L. A. Pioche, John Nightingale, W. T. Coleman. President, George Hearst; Secretary, Robert T. Polk; Treasurer, F. L. A. Pioche; Superintendent, Wm. France.

SANTA CRUZ PETROLEUM OIL WORKS Co.—Meeting, Sept, 27th. Trustees: Leander Ransom, Isidor Landsberger, Wm. Neil, A. B. Stout and M. C. Walton. President, L. Ransom; Secretary, J. A. Rawson; Treasurer, Isidor Landsberger.

SMITH & MARTIN G. & S. M. Co.—Meeting, Sept. 20th. Trustees: Horace Morrison, P. B. Cornwall, Wm. T. Coleman, Henry B. Williams and George Platt. President, Horace Morrison; Secretary, Robert T. Polk; Superintendent. F. A. Prescott.

SOPHIA G. & S. M. Co.—Meeting, Sept. 5th. Trustees: Isaac S. Josephi, A. Unger, H. Loewy, J. E. De la Montagnie, W. Fisher. President, Isaac S. Josephi; Secretary, David E. Josephi; Superintendent, Chas. Sell.

WAITT CONSOLIDATED G. & S. M. Co.—Meeting, Oct. 10th. Trustees: Wm. H. Culver, C. E. Woodbury, Wm. N. Shelley, Daniel Waitt, Jr., and Andrew S. Young. President, Wm. H. Culver; Secretary, George R. Parbnrt; Treasurer, Calvin E. Woodbury.

HON. JOHN CONNESS left this city for his post at Washington, by the steamer Moses Taylor, on Wednesday last. Congressman Shannon also left upon the same steamer.

THERE is nothing new under the sun, and whenever anybody says a good thing, let him reflect on the strong probability there is that somebody else has said it before.

MECHANICS' INSTITUTE INDUSTRIAL FAIR REPORTS.

MINERALS AND MINERAL PRODUCTS.

SAN FRANCISCO, October 15th, 1864.

JOSEPH BRITTON, ESQ., President of the Mechanics' Institute.

SIR:—As a member of the Committee of Award upon "Minerals and Mineral Products," Class XVII., of the late Industrial Exhibition, I send you the following notes upon the contributions in that department. As I did not meet or see any of the other members of the Committee, I am only able to present this report individually, and not in the name of the Committee. Respectfully yours,

WM. P. BLAKE.

Although no special effort had been made to secure a representation of the mineral resources of California and the adjoining States, the contributions in the department were more numerous and varied than visitors generally supposed, and although a fractional and disjointed representation of California resources, was nevertheless of considerable importance and interest. Twenty-four entries are found in the catalogue; but there were other contributions not enumerated. The following are brief notices of the most important contributions, including those of manufactured products:—

Coal.

99.—B. H. Ramsdell, San Francisco, Three specimens of coal from the Black Diamond mines, Mt. Diablo, Cal.

These specimens were remarkable for their size and purity. One mass from seam No. 1 was five feet long and two feet by three square, and weighed 1,730 pounds. The mass from seam No. 2 was about six feet long and three feet by three feet square. It represented the whole thickness of the seam. Seam No. 1 is five feet ten inches thick, and No. 2 is twenty-eight to thirty-six inches thick.

The production of the Black Diamond Coal Company's mines, for the past three years, has amounted to 37,000 tons. The average production is 70 tons a day. There are five different mines now working, and with about the following production per day for each:

Black Diamond Mine	70 tons
Union	40 "
Eureka	20 "
Manhattan	20 "
Pittsburgh	30 "

Or 180 tons for all the mines per day, or 5,400 tons per month. It is carted to the San Joaquin river, to the place known as the New York of the Pacific, where it is shipped to San Francisco and other places. The expense of transportation to this city from the mines is $3.50 per ton. It sells at from $7 to $9 per ton by the cargo, according to quality. It is used chiefly by the river and coast steamers. The sugar refineries consume about 150 tons of the Black Diamond coal per week. It is sold at retail to families for $12 per ton. With a railroad from the mines to the landing—which, it is estimated, may be built for $80,000—this coal can be sold in San Francisco for $7 per ton.

Iron.

103.—Governor A. C. Gibbs, Oregon, One specimen of iron ore, 16 miles from Portland.

This specimen, as I learn from a label attached, is from an "extensive bed." It is the variety of iron ore known as "limonite," and is apparently of excellent quality, suitable for making pig and bar iron. It is porous, and is without any visible mechanical impurities. It should contain about 50 per cent. of metallic iron, and may become of great value as a source of iron for this coast, especially if upon water navigation and near coal and limestone.

Copper and Its Ores.

384.—John Simms, Copper ore from the Fall Creek lode, Josephine county, Oregon.

A fine mass of nearly pure yellow sulphuret of copper, fifteen inches long and eight inches thick. Contains about 25 per cent. of copper.

643.—W. G. Moody, San Francisco, Copper ores from Nacosari District, Sonora, Mexico.

These contributions consist of large masses of variegated sulphuret of copper, known among the Cornishmen as "horse-flesh ore." The working results of the ore are stated as 48 per cent. of metallic copper and $63 of silver per ton.

180.—M. G. Elmore, Table Mountain Copper Mining Co., Copper ore.

This is a very fine mass of yellow ore, weighing 600 pounds, taken out 150 feet from the surface. Assay value, 23 per cent. The mass is about three feet long and two feet wide, and is nearly pure. The company is "shipping from 60 to 100 tons a month," and developing the mine.

Union Copper Mine, Del Norte county, Cal.; Kruse & Euler, San Francisco.

A large mass of copper ore from this mine, weighing 1,060 pounds, and containing, according to ticket, 33¾ per cent. of copper, 2 ounces of silver and ¾ of an ounce of gold, and with a total value of $116.44. This was presented to the California Branch of the U. S. Sanitary Commission.

Francois Genard, San Francisco.

A series of crucible buttons, exhibiting the various stages of production of copper from the ore by fusion in crucibles. The series contains black copper, the slags, the results of second fusion, and the refined copper.

J. T. McDougall, San Francisco, One bag copper ore; five bars of copper.

These bars of copper are claimed to have been produced at one operation by the exhibitor, under a patent dated March 29, 1864. There was no opportunity to examine the operation.

470.—Eliza J. Hall, "Copper ingot smelted in the patent volcanic smelting furnace."

C. E. Johnson. Specimen of metallic copper obtained from carbonates and oxyds in one hour, from the ore, by a new process.

350.—Henry R. Reed, Treasurer Cordillera Co., San Francisco, Silver and copper ore and ingots from the Santa Barbara Mines, Chihuahua, Mexico.

The ore in this collection is, apparently, vitreous copper. The two ingots are said to be the product of 300 pounds of unassorted ore.

Silver.

737.—Maria Silver Mining Company, San Antonio, Lower California.

A fine mass of silver ore, 18 inches long and about 12 broad, nearly pure, but with a few patches of zinc-blend interspersed.

814.—Samuel Pillsbury, Silver ore from La Libertad mine, Cacachillas District, Lower California.

This is a fine mass of ore, "Colorados," from near the surface, showing the various colors due to the decomposition of the silver and copper minerals of the vein. It has a vein-stone of quartz.

L. Leland, Specimens selected from the Occidental Hotel cabinet.

A glass case, containing about 100 specimens from various mines in California, Washoe and Arizona. It is by far the choicest general collection of the Exhibition, and contains specimens from the Gould & Curry and other ledges on the Comstock, from the Moss Ledge, from the Union copper mine, and others not otherwise represented in the Exhibition. Mr. Leland, in providing a suitable place for the reception and display of mineral specimens, has done a public service and secured a magnificent cabinet.

Gold.

744.—Melones and Stanislaus Mining Company, Calaveras county, Cal., G. Congdon, San Francisco; Three specimens of gold and silver ore.

These are splendid specimens of quartz vein-stone, charged with massive gold, intermixed with a telluric mineral, probably tetradymite. They are taken from the Stanislaus mine, about one mile south of Carson Hill, at Robinson's Ferry. They were obtained at a depth of over 200 feet from the surface. The vein varies from six to eighteen inches in thickness, and is sometimes divided up into four or five parallel sheets in the slate. The slate near the vein is found to be impregnated with gold. The tellurium has been traced downwards from the surface, and at times has been abundant, and furnished some choice cabinet specimens of this rare combination. The mineral differs from that of the Fields vein of Georgia, where remarkable masses were found, in its color, and in not being foliated. The selected rock from the vein is sent down to San Francisco, to be smelted by Kellogg & Hewston. Advances can be had upon it to within ten per cent. of the fire assay. The vein was discovered in 1850, and has always had rich pockets. It is in the vicinity of the celebrated Morgan and South Carolina mines.

789.—H. W. Williams. Whisky Hill Mine, Tuolumne Co., Gold specimens.

A suite of remarkably fine gold specimens in quartz, with numerous flattened, distorted octahedral crystals. There are several irregular plates, with numerous crystalline projections—the solid angles of crystals. These specimens much resemble some formerly obtained from the Gold Hill vein of Grass Valley.

500.—Blue Mountain District, Calaveras county, Cal., Gold and silver ore from the Beckendorf, Celina, Star of the West, Loyal League and Gold Hunter companies.

These ores are all similar, consisting of argentiferous galena, pyrites and probably free gold, spread through quartz. If there is an abundance of such ore, it could be profitably crushed and concentrated for shipment to smelting works.

881.—J. F. McDougall, for Siskiyou Mining Company, Siskiyou county, Cal., Gold in quartz.

Numerous very rich specimens of gold protruding from the vein-stone.

Salt.

W. R. Winegar and Son, Specimens and samples of salt from various localities.

1. Rock Salt from Lower California—white crystalline crusts one and two inches thick. 2. Coarse salt from Carmen Island. 3. Coarse salt, Lower California. 4. Rock salt in large clear crystals, transparent, and remarkably dry and pure—from Virgin River, Arizona Territory.

A. B. Winegar, Union Salt Works, 322 Front Street; Samples of ground rock salt, dairy salt, cooking and table salt, in five, ten, twenty, and fifty pound sacks.

The samples of table salt exhibited are of excellent quality, being white, dry and fine, and whiter than the Pembroke table-salt shipped to this port from Boston. It is made from coarse, clear crystals of San Pedro rock salt, kiln-dried and ground.

Of the rock salt, that from San Pedro appears the best. An article that compares favorably with it, and with the Carmen Island salt, is made on the shores of the Bay of San Francisco, near Union City. The crystals are of medium size, sharp and clear. Some of the salt from that vicinity in crystals of about the same size, is milk-white, and attracts moisture more rapidly. It contains more impurities, and is inferior in quality to the clear crystals. The exhibition of this firm contains a greater variety of samples than the others, and a superior article of table-salt, worthy of a premium.

Barton & Brother, Pacific Salt Works, 218 Sacramento st. Dairy salt in fifty pound sacks.

A very fine article of dairy salt, ground, and both white and dry.

A. Georgiani, Trapani Salt Works, Mt Eden, Alameda County, California, and 421 Davis street, San Francisco, Rock salt in half formed, irregular crystals, but very white, but quite dry.

Plummer & Co., Crystal Salt Works, Alameda County, Table and dairy salt; also, rock salt and blown salt.

These varieties of salt are manufactured by solar evaporation from the water of the bay at the eastern side. The sample of rock salt is of excellent quality, being apparently quite dry, and in well formed cubical crystals, clear and clean. The "blown" salt is a superior article, approaching in character to the Liverpool salt, for which it might advantageously be substituted. The grains are remarkably clean and even, and the crystals are well formed. It is made by the action of the wind upon the concentrated brine, and as rapidly as the crystals form upon the surface they are blown to the edge and thrown up in ridges on the shore or upon platforms made to receive them. A premium for this variety is proposed.

The supply of salt for California is obtained from Liverpool, Carmen Island, San Quentin, Lower California, San Pedro, and the Bay of San Francisco. At all these places, except this first, it is prepared from sea-water by solar evaporation. It is estimated that over 15,000 tons of salt will be manufactured on the eastern side of San Francisco Bay, this year; the season has been extremely favorable, and the duties on foreign salt are now so high as to stimulate home production. Imported salt pays a duty of $4 80 per ton. Manufacturers or producers of salt within the limits of the United States, pays a duty of $1.20 per ton. Liverpool salt sells in this market for $25@$30 per ton, according to its quality. Carmen Island salt sells at $18, and the best bay salt for $10 per ton. The examination of the various samples, and products in bulk, shows conclusively that there is not sufficient reason for this great difference in price or value. The ground rock salt made in this State, when well made, is of excellent quality. With the superior advantages which this climate offers for the manufacture of salt by solar evaporation, salt equal to any can be produced in unlimited quantities, and there is no reason why the home article should not entirely displace that of foreign production. The samples of rock salt from San Pedro and the bay show that such a result can not long be deferred. Already, for ten miles along the eastern shore of the bay, salt works are established, at intervals, and their number is increasing. France and the countries bordering the Mediterranean, are supplied in a similar manner, by solar evaporation. Fortunately for the interior of Nevada and Arizona, there are extensive salt-beds at intervals over the surface, from which the numerous silver reducing establishments are supplied.

Miscellaneous.

California Borax Company, Samples of native and refined Borax from the borax lake in Lake County, California.

Refined borax from the above locality has been introduced into this market within the last year, and being of a superior quality and cheaper, and of home manufacture, is preferred by the consumers. Large amounts are used by the bullion smelters and refiners. It is made by re-crystallization from the native borax found in crystals in the mud at the bottom of a lagoon. These crystals are remarkable for their size and perfection, some of them being four or five inches long, and having very perfect faces. As inaugurating a new industry and supplying our market with a superior article of home production, this enterprise deserves the highest premium in the award of the Institute.

327.—George S. Dickey, San Francisco, One case of Monsel's Salt.

A very fine and complete exhibition of all varieties of this valuable therapeutic agent, in scales, in powder, and in solution, showing great skill and nicety in making pharmaceutical preparations, of which this is one of the most difficult. It is a per-salt of iron possessing remarkable hæmostatic properties, first made known by M. Monsel, of the Military Hospital, Bordeaux, in 1852. Its action on blood and albumen is peculiar, producing coagulation without any caustic or irritant effect on the tissues. It has been used with great success in stopping hemorrhage where other styptics have failed, and where ligatures would otherwise have been required.

This preparation was first made in California by Mr. Dickey, in 1858. It is singular that it was found difficult to prepare an article of equal purity and excellence in the Atlantic States. Samples sent from this city were repeatedly pronounced superior to any that could be obtained there. An eminent practioner found it necessary to send here for a supply, for the so-called Monsel's Salt made at the East would not produce the effect ascribed to it by M. Monsel and surgeons in that city. The salt, as shown by Mr. Dickey, is in light, thin scales, of different sizes and thickness. They are translucent, of a light reddish brown color. These are produced by evaporating the solution to a thick syrup and cooling it on glass plates, from which it is afterwards detached by chisels. A premium should be awarded to this exhibitor for a superior article of Monsel's salt, showing rare pharmaceutical skill in its preparation.

Pacific Metallurgical Works, Case of specimens of ores from various localities, and a sample of fire-proof paint.

The last mentioned article is prepared from the high-colored residues from the working of ores, and contains numerous metallic oxyds. It has a chocolate red color, due to the predominance of oxyd of iron, and when mixed with iron forms a cheap paint for rough outside work. The manufacture of cheap paint is beginning to attract some attention in this city—a mill having recently been started to prepare various grades of mineral paint from the oxyd of iron and manganese found in seams or layers in the rocks of Red Island.

James Patterson, Placerville, El Dorado county, Cal.

This exhibitor sends pen and writing-stands and match-stands, manufactured by him from a steatite, soapstone, obtained near Placerville. These objects, when covered with a coat of varnish, greatly resemble serpentine or verd-antique, and are very attractive in their appearance.

Terra-cotta ornaments, San Antonio, Alameda county.

A very fine exhibition of architectural ornaments, which commend themselves to builders by their excellence in design and their superiority to plaster or wood in resisting the weather. Deserving of a premium.

H. Herzer, Kearny street, San Francisco, Muffles, crucibles and scorifiers, made in this city, from California clay.

In form and appearance these samples seem quite equal to those imported from France, and they are sold at lower prices.

Recapitulation of Recommendations for Premiums.

California Borax Company, For superior borax of California manufacture. Highest premium.

George S Dickey, San Francisco, For a superior article of Monsel's salt, showing great pharmaceutical skill.

A. B. Winegar, Union Salt Works, For the best display of salt, and for the best article of table salt, made from California rock salt.

Plummer & Co., San Francisco, For a fine article of blown salt, made in Alameda county.

San Antonio Pottery, Alameda county, For display of terra-cotta ornaments.

H. Herzer, San Francisco, For crucibles, muffles and scorifiers, for assayers' use, made of California clay.

BRAVE AND COURTEOUS.—The last act of Capt. Craven, who went down in the monitor Tecumseh, during the attack on the Mobile forts, was a notable instance of sublime courtesy. As the pilot and himself, the last in the vessel, moved to the ladder, the captain stepped aside, saying, "You first, sir." The pilot was saved, and the hero perished in his magnanimity, an example as noble as Sydney's.

ANOTHER IRON VESSEL.—A neat and trim looking clipper ship, called the Viscata, is now in this port, and lying at Greenwich Dock. She is built of iron, her lower masts and spars are of the same material, and her stays are of wire rope.

Plumas County.

Eds. Press:—Having been in this locality but a short time, I am not able to give you so extensive an account of this rich mining district as I propose doing after a more thorough examination of its capacities, yet I will proceed to give you a slight sketch of what has thus far fallen under my observation.

Having some unemployed time on my hands, I accepted an invitation from Mr. H. C. Bidwell to take a trip through the mountains surrounding the beautiful and extensive valley known as Indian Valley, for the purpose of examining some of the many rich lodes of gold bearing quartz located in that section.

The first claim we entered was the Wiles claim, situated in Round Valley. This company have worked down about sixty feet, hoisting the rock with a whim, and are now taking out about eight tons per day of pay rock. The quartz looks well, and, as I am informed, will yield an average of twenty-five dollars per ton; they employ five or six miners at present, but propose soon to increase the number. There are several other claims being worked in Round Valley, but want of time prevented me from taking anything more than a passing glance at them. I would here mention that I find more or less copies of the Press in every little mining camp, but if I chance to find a place without it, I seldom fail of obtaining orders to send it along, which is sufficient evidence that the miners in this county are not behind the age in their desire for useful scientific mining information, such as your paper alone can afford them.

The next claim visited was the McLellan, situated about two miles from Greenville, on the east side of the same range in which the Wiles ledge is located, and about fourteen miles from Taylorsville. The McLellan is owned principally by Messrs. Bidwell and Waterworth, of this county, and F. Ogden, of your city. Before entering this mine I took from a car that was passing out, a horn full of decomposed and seemingly barren quartz; on washing it I was most agreeably disappointed, and at once form a favorable opinion of the mine. On entering the tunnel my attention was at once attracted to the fine timbers that are put in for supporting the roof; this is as it should be, and I think too much attention cannot be given to the selection of the timbers used in mining operations. This company have already extracted a large quantity of pay rock, and I am informed that they have now in sight enough to keep their mills running two years, and at the distance of one hundred and ninty feet from the mouth of the tunnel, and ninety feet in depth, their ledge is full three feet in width—certainly an encouraging sight for the owners. Under the superintendence of Mr. Bidwell they are taking out twenty-five tons of pay rock per day, which, on being hauled to their mills and crushed, yields an average of fifty dollars per ton. I have seen a clean up of fifty tons of this rock, and can state from actual observation that it is rich, and a few more such ledges are yet left. All that this county wants is a few more actual workers to develope its resources.

The next claim we came to was the "Right Stripe," which I think is well named, as they have plenty of rock in which free gold is readily seen with the naked eye. It has every appearance of being just as good as the McLellan, and I think a rich reward awaits its energetic discoverers. These few were all the ledges that I had time to visit on this hasty trip, but if nothing prevents, I will soon give your readers an account of the Crescent and other good claims in that vicinity.

COPPER.

I made a visit to one copper claim, situated about one mile and a half from this place. It is called the Montgomery ledge, and has all the indications of becoming a good paying claim, although not yet prospected thoroughly. Native copper can be seen in much of the float rock, and also yellow and black sulphurets with native copper, in rock taken out at a depth of fifty feet, that being the greatest depth that has yet been attained. As work progresses on this claim, you will hear further from it.

THE FAIR.

has been quite a success in Plumas, this year, even beyond the expectation of the most sanguine. It was held in Quincy, the county seat, and the agricultural interests of the county were well represented, one section trying to excel the other in its display of vegetables, grain, &c. One of the most attractive of the articles exhibited, was a portrait in worsted work, of George Washington, life-size, by a young lady. The cattle fair was not quite so good, and indicates a lack of interest in the improvement of their stock through the importation of blooded animals. Some very good horses were exhibited, among them a fine two year old, raised by a Mr. Thompson. As I was unable to remain at Quincy during the whole of the fair, I can give you but little account of it, but those of your readers who are interested in such matters may obtain full particulars from the Quincy *Union*.

TRAVELER.

Taylorsville, Plumas county, Oct. 10th.

INTERESTING FOSSILS.—At a meeting of the members of the California Academy of Natural Sciences held on Monday evening, Mr. Clayton, a member who has recently returned from an extensive exploration of the Territory of Nevada, presented the Society with a number of rare fossil teeth, found in the valley of Walker's River, in that Territory, including those of the fossil elephant and of an extinct variety of the horse. The California Academy of Sciences have the finest collection of fossils and minerals to be found in any State in the Union, but, for want of a suitable place to exhibit them, all the benefits to be derived from such an important aid to geological and mineralogical discovery are lost to the people of the State.—*Flag.*

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

COMMENCED

ON THE FIRST OF JULY, 1864,

WITH

An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation of such marked favor by rendering the public one of the

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A Reflector for Patentees,

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DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this communlly being well considered "one and inseparable."

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies, Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

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As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ANY'G—SALE
Arizona Cons., 20c	Nov 19—Dec 3*
Amador Cons., Lander co., $4	Nov 21—Dec 6
Antelope, Esmeralda, $10	Oct 17—Nov 1
Alameda Coal, $1	Nov 2—Nov 19
Uncleye and Old Hickory Cons., S. Cal., 50c	Oct 28—Nov 12*
Butte, Humboldt, $1	Nov 7— Nov 19
Ubajazet & Gobi Era Cons., $5	Sale Nov 10 Virginia
Big Canon, Tuolumne co., $3	Oct 29—Nov 10
Baja California, San Antonio 25c	Nov 9—Nov 21
Bast & Belcher, Virginia, $7.50	Oct 25—Nov 7
Blue Ledge, Kelsey	Annual Meeting Oct 22
Bublic, Virginia, $10	Levied Oct 12
Caledonia T. & M.	Annual Meeting Nov 14*
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Crescent Quartz, Dividend $30	Payable Oct 1*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Chrysopolis, Law Divide, 25c	Oct 23—Nov 8
Cortez, Lander co., $1	Nov 2—Nov 17
Cincinnati, R. R., $1	Sale Nov 5
Chicago & Detroit, Amador co., $1	Nov 19—Dec 3
Calaveras Iron Mountain Copper	Annual Meeting Nov 21
Colorado	Annual Meeting Nov 14
Crown Lead, Mariposa co., $1	Oct 9—Oct 29
Comstock, San Antonio, 60c	Oct 19—Oct 29
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Coral Hill, $1	Oct 19—Nov 5
Corral Viejo, Sonora, $3.50	Oct 28—Nov 9
Capitola, Santa Clara, 25c	Nov 14—Nov 26
Capitola	Special Meeting Nov 14 San Jose
Cosmopolitan	Annual Meeting Oct 24
Chimawayo, Colorado, 40c	Oct 12—Nov 10
Copp, Humboldt, $3	Nov 10—Nov 25
Cole, Virginia, $1	Oct 15—Oct 31
Dashing Wave, Lander co., 25c	Oct 29—Nov 14*
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Dancy, Lyon co., $2.50	Oct 10—Oct 24
De Soto, Star, $2.50	Oct 22—Nov 9
Diamond, Copper, Del Norte co., 75c	Oct 31—Nov 15
Dictator	Sale Oct 24
Dacota, R. R., $1	Nov 18—Dec 5
Dell, G. H.	Sale Nov 5
Eyoca, Del Norte co., 25c	Oct 8—Oct 24*
El Dorado, Silver Mountain, 50c	Oct 28—Nov 12*
El Tesoro, Lower Cal., $4	Nov 15—Nov 30
Ethan Allen, R. R., $1	Oct 11—Oct 26
El Taste, Mexico, $2.50	Nov 3—Nov 15
Eureka Cons., Arizona, 50c	Nov 10—Nov 26
El Alamo de San Antonio, 50c	Nov 5—Nov 15
El Dorado, Virginia, $1	Nov 14—Nov 30
El Toro, Sinaloa	Oct 15—Oct 29
El Tesoro, La Paz	Annual Meeting Nov 7
Fortune, Calaveras co., 20c	Oct 22—Nov 9*
Franco Americana, San Antonia, $1	Oct 10—Oct 25
Fairview, R. R., 50c	Oct 25—Nov 5
George Washington No. 2	Annual Meeting Nov 17*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Gobernadora, Lower Cal., $1	Oct 18—Oct 31
Green, Gold Hill, $1	Oct 26—Nov 12
Gov. Seymour, R. R., $5	Nov 12—Nov 24
Gem of Sierra, Humboldt co., $5	Oct 8—Oct 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Guadalonpe del Agnajito, Sonora, 50c	Oct 29—Nov 12
Green, San Bernardino, 75c	Oct 28—Nov 8
Gold Hill T. & M., $1	Oct 26—Nov 9
Great Western T. & M., Aurora, 40c	Oct 29—Nov 9
Great Western T. & M.	Special Meeting Nov 1
Guasaparis, Mexico, $25	Nov 4—Nov 15
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Hale & Norcross, Virginia, $25	Oct 15—Nov 1
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
Indedendent, R. R., $1	Oct 8—Oct 22*
Imperial, Arizona, 35c	Oct 17—Oct 27
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jesus Maria Trading & Mining, Sonora	Sale Nov 9*
Jura, American Flat	Sale Oct 22
Jewel, D. G., $1.50	Nov 10—Nov 22
Keokuk, Clayton 10c	Nov 5—Nov 15*
Kentucky Copper, Madame Felix, 50c	Oct 3—Oct 22
Kohler Brothers, San Antonio, $1	Nov 19—Dec 2
La Libertad, Cacachillas, $1	Nov 19—Dec 8*
Lancaster, Como, Lyon co., 50c	Oct 8—Oct 26*
Loomis, Lander co., 25c	Oct 29—Nov 14*
Lady Bell, Low Divide, 10c	Oct 24—Nov 5
Lotus, Gopher, 10c	Oct 21—Nov 5
Las Churcas, Lower California	Annual Meeting Oct 27
Las Churcas, $50	Nov 17—Nov 28
La Fernandez, Hermosillo, Mexico, $4	Oct 29—Nov 8
Las Cruzecitas, San Xavier, $6.25	Nov 14—Nov 26
Lady Bell	Annual Meeting Oct 21
London Quartz, Siskiyon	Oct 29—Nov 17
La Soledad, San Dimas $1	Oct 24—Nov 5
La Esperenza, Arizona, $5	Nov 5—Nov 21
Libertad, Ures, $5	Nov 1—Nov 15
La Figaro, 32c	Nov 4—Nov 14
Mammoth, Silver Mountain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 5*
Mejicana, Contra Costa, 15c	Oct 11—Oct 31*
Musidora, San Antonio, 50c	Oct 8—Oct 22
Mina Pricia, Ures	Annual Meeting Nov 2
Mary Frances, Alpine co., 50c	Oct 10—Oct 22
Mina Rica de Las Flores, Calaveras co., $1	Oct 25—Nov 14
Monster Cons., 30c	Oct 21—Nov 5
Manchester, Monitor, $1.50	Oct 22—Nov 5
Mineral Hill T. & M., Mono co., 50c	Oct 19—Nov 1
Napa, Silver Mountain, 30c	Nov 10—Dec 5*
New Era, Cop., Tuolumne co., 25c	Nov 10—Nov 26*
North Star, R. R., $3	Oct 6—Oct 19
Nuestra Senora de Guadaloupe, Mex. $1	Oct 30—Nov 14
North American, $2	Sale Nov 4, Virginia
New Year's Diggings, Tuolumne co	Oct 29—Nov 9
North Potosi, Virginia, $12.50	Nov 12—Dec 10
Ontario, R. R., 25c	Nov 19—Dec 3*
Oxford Bela, Esmeralda, 50c	Oct 15—Nov 2*
Overman	Sale Oct 17, Gold Hill
Open Sesame, Clayton, 50c	Nov 16—Nov 26
Palma, Sonora, 25c	Oct 29—Nov 19*
Providence, Nevada co., $1	Oct 22—Nov 5*
Pena Silver, Lower California, $3	Aug 20—Oct 20*
Plumbago, Sierra, $1.50	Oct 13—Oct 27
Planet, Arizona, $1	Oct 29—Nov 19
Penole, Clayton, 20c	Oct 12—Oct 24
Peninsula, San Antonio, $10	Nov 4—Nov 15
Pride of the West, Silver City, $3	Nov 7—Nov 21
Princess	Annual Meeting Oct 28
Pioneer M. & M.	Sale Oct 25
Ruby, R. R., $1	Nov 12—Nov 30*
Rose, Mariposa, 50c	Oct 29—Nov 7*
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Real del Monte, Esmeralda	Sale Oct 24
Rosario & Carmen, Sinaloa, $1	Oct 29—Nov 10
Richland, R. R., $3	Nov 17—Nov 29
Simpson & Bosselle, Carson Valley, 30c	Oct 27—Nov 14*
St. Paul, Lander co., 50c	Oct 15—Nov 7*
Steamboat, Star, $1	Nov 19—Dec 5*
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 21*
Sisters & Augusta, Lander co., 15c	Oct 19—Nov 19*
Salinas, Monterey, co., 20c	Oct 15—Oct 29*
Sweet Vengeance, Yuba co., $1	Oct 29—Nov 4
Sierra, Genoa, $2	Oct 5—Oct 24
Silver Circle, R. R., $1	Sep 30—Oct 18
Sonoma Ledge, R. R., $1	Oct 7—Oct 22
Soledad, Los Angeles, 25c	Oct 4—Oct 19
Sierra, Genoa, $2	Oct 5—Oct 17
Stanislaus Copper, 50c	Nov 16—Dec 2
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Soledad Hill, Soledad, 50c	Oct 21—Nov 1
South Sonoma	Annual Meeting Oct 3—Austin
Santa Cruz, Lower California, $2	Nov 1—Nov 15
Sonoma Ledge, R. R.	Annual Meeting Nov 8
Santa Rosalie Ures, Mex., 50c	Nov 8—Nov 26
San Carlos Ex. & M., Inyo, $2	Nov 9—Nov 24
Sierra Valley	Annual Meeting Nov 7
Table Mountain Copper, Calaveras co., $1.65	Oct 22—Nov 7*
Tallulah, Sierra, $15	Oct 15—Oct 25*
Troy, R. R., $4	Nov 21—Dec 3
Tellurium, Amador co., $1	Nov 2—Nov 16
Teutonia, G. H.	Sale Oct 22
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Virginia, $1	Oct 31—Nov 16*
Utah, $12.50	Oct 22—Nov 14
Union Copper No. 2	Annual Meeting Nov 19
Ventch, Lander co., $2	Oct 31—Nov 15
Walker, Lander co., 25c	Oct 29—Nov 14*
White & Murphy, Virginia, $1.50	Nov 10—Nov 25
Washoe, Gold Hill $4.50	Oct 15—Oct 26
Well Partridge, Arizona, 25c	Oct 28—Nov 12
Walit Cons., Arizona, 15c	Oct 27—Oct 31
Whitman, Lyon co., $7.50	Oct 29—Nov 15
Williams, Alpine co., 50c	Oct 21—Nov 8
Winnemucca, 1st N. E. Ex.	Sale Oct 28
Yankee-Blade, R. R., $5	Nov 25—Dec 13
Yellow Jacket, 11 per cent	Oct 4—Gold Hill
Yuba, 50c	Oct 29—Nov 9

*Those marked with an asterisk (*) are advertised in this journal.

ASSESSMENT AND SALE LIST

OF CLAIMS IN

VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	Date of Levy.	Am't per foot.
Bullion	Sept 14	10 00
Bullion	Sept 18	10 00
Crocker	Sept 29	25
Central Hawkeye	Sept 28	2 50
Comstock	Sept 12	10 00
Dardanelle	Oct 4	3 00
Daniel Low Coal Co	Oct 11	5 00
Gilmore	Sept 23	25
German	Sept 28	50
Hall	Sept 15	1 00
Hawkeye Original	Sept 13	2 00
Jackson	Sept 14	25
Milton	Oct 1	5 00
Milton	Oct 2	5 00
Michigan	Sept 29	30 00
Mary Ann	Sept 23	10 00
Peavine Copper	Oct 1	10
Silex	Sept 20	15 00
Sunset	Sept 21	1 00
Santa Fe	Nov 5	Virginia

Delinquent Sales.

Name of Company.	Date of Sale.	Place of Sale.
American Basin	Nov 12	Virginia
Bullion	Nov 19	Virginia
Branch Mint	Oct 29	Virginia
Crystal Peak W. D. M. L and M Co.	Nov 1	Virginia
Central Hawkeye	Oct 29	Gold Hill
Combined Effort	Oct 28	Gold Hill
Colombo	Nov 13	Gold Hill
Daniel Webster	Nov 14	Virginia
Dardanello	Nov 3	Gold Hill
Eureka	Nov 12	Virginia
Fremont	Nov 14	Virginia
Granada	Oct 29	Virginia
Honduras	Nov 1	Virginia
Jackson	Oct 22	Gold Hill
Jewett & Shepard	Nov 14	Gold Hill
Keystone	Nov 10	Virginia
Knickerbocker	Oct 29	Gold Hill
Lee	Nov 1	Gold Hill
La Plata Oro	Dec 3	Virginia
Mount Blanc	Nov 8	Virginia
Morning Star	Oct 29	Virginia
Monitor	Oct 21	Virginia
North American	Nov 4	Virginia
Peavine Con	Oct 31	Virginia
Santa Fe	Nov 5	Virginia
Santa Rita	Nov 12	Virginia
Uncle Sam	Oct 27	Virginia

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to affect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also—EDS. PRESS.

Cottage Wanted.

A COTTAGE, or small tenement, is wanted for a man and wife, near a city railroad, in a pleasant and healthy location. A permanent home is desired. Inquire at this office, No. 11 Government House. 17-1f

COTTON SUPERCEDED.—"Spiral spring bosom pads," a new article, and an improvement on India-rubber and cotton, has recently been introduced for the benefit of the ladies.

Professional Cards.

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for the Territo- of Nevada and Arizona,
AND FOR THE
STATES OF MASSACHUSETTS AND MAINE.
Office, Montgomery Block, 630 Montgomery Street,
10v8 2m SAN FRANCISCO.

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.
Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms: Twenty per cent in cash and the balance on a credit of several years.
7v9-tf Office, 328 Montgomery street.

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

G. F. DEETKEN,
MINING ENGINEER.
HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.
Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.
My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 406 Montgomery street. 15-tf
San Francisco, October 1st, 1864.

BOOKKEEPING.
YOUNG MEN CAN ACQUIRE A COMPLETE BUSINESS Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of Prof. Lorr, 305 Montgomery Street. The course of study prescribed for his students is more extensive and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable. 7-2m

Evening Instruction in Anylitical
Chemistry and Assaying,
Conducted by Thomas Price.
(Agent for the Swansea Ore Importers in California.)
HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

Personal.
THE JOHN McCOMB OF THE "ARGUS" NEWSPAPER, is not the undersigned, who has no taste for publishing that kind of a sheet. During my fifteen years residence in California I have always been identified with the the Printing business, and many of my friends have made the natural mistake which I find necessary thus to correct.
JOHN McCOMB.
16-3t* Foreman "Alta California" Office.

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Trades and Manufactures.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. 12-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

JOHN DANIEL,
(SUCCESSOR TO O. GOAT)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.
THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

PHILLIPS & CO.,
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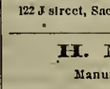
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The Mines of Humboldt.

Under the above head a writer in the Daily *Alta*, who is intimately acquainted with the mines of Humboldt, gives the following interesting facts, which we have slightly condensed :—

The Sheba, located in Star District, the ore of which is intermixed so much with base metals, such as lead, antimony and copper, as to have prevented satisfactory results from the ordinary process of amalgamation. This Company have completed the best mill in Humboldt county, in connection with which are furnaces for roasting the ores; and from experiments already made, the result is highly satisfactory.

Upon this mine a large amount of work, such as tunnelling, has been done, and numerous galleries have been made, exposing to view a vast amount of rich ore. Several hundred tons of ore were at the mine, at the date of the completion of the mill. In all of the other districts as a general thing, the ore is of an entirely different character from that of the Sheba or De Soto, which I consider one and the same lode. Instead of being composed of base metals, and requiring rousting before amalgamation, in very many instances the ore from the other mines now opened has but sufficient base metal to cause them to work with ease and extraordinary good results.

The "Evening Star," located in Trinity district, seven miles from Humboldt river, sent to San Francisco two tons of ore, which produced $314 per ton. Within the past three months, the company ordered the superintendent to send to Fall's mill, at Unionville, a few tons of this ore to further test its value and working qualities. The first shipment, of two and and a half tons, produced $400 per ton; the second of two tons, at the rate of $412. The mill at which this ore was worked, is a small, four-stamp, water-mill, with the Douglas pan; in fact everything about this mill is of the old style, such as was used at the commencement of the silver mining in Nevada territory. Now, if three years' experience in mining has produced more perfect machinery, or an improved method of amalgamating, why have we not reason to suppose this same ore, worked under this system of improvement, should not produce a much greater result?

The ore above mentioned, was worked, with little selection, as it came from the mine, and while the result should be satisfactory, the writer is positive the same ore, worked by the pans, and treatment more recently put to use, would produce not less than from five to six hundred dollars per ton.

The Atlas Company, located at Unionville, had ten and one-fourth tons of ores worked from their lode, with a result of something more than $300 per ton. This ore was worked at the same mill at Unionville, and while being taken from the mine the writer was present, and has no hesitation in saying there was not left three hundred pounds of rock, as rejected at the mine.

East Range. In what is called the East Range, are located the Gem, Tallula, Natchez, and many others; in Indian District, the Moonlight; in Buena Vista, the Peru, Atlas and very many others; from all of which ore has been worked by the mills at Dun Glen and Unionville, with results equally as satisfactory as those above stated, going to show the fact that there are many mines in Humboldt county to-day producing handsome results, milled by the most ordinary process, and which will continue to improve as facilities for working present themselves.

Within the limits of the county are many as rich silver mines as any in the Territory, perhaps not as large as the famous Gould & Curry, but infinitely richer. It is not altogether quantity, but quality, that makes the mine. The ledges there are not half horse and half mineral, but all mineral, paying from one hundred to one thousand dollars per ton.

Other Minerals.—Besides silver, there are immense mountains of copper, and veins of copper, some in a pure state; extensive veins, of such purity as to whittle with a knife; beds of salt, covering thousands of acres; large fields of sulphur, almost in a pure state, which when heated melts and drops in a state of purity; beds of saltpetre and veins of alum, in large quantities. Mountains of limestone and coal of superior quality have recently been discovered also large quantities of chalk, and in fact everything of value in the mineral kingdom.

CHEAP ICE.—It is reported that an important discovery has been made in the manufacturing of ice, by a citizen of London, England, for which a patent is about to issue. The inventor claims that by the use of his process, ice can be manufactured cheaper than it can ordinarily be cut and stored. Possibly the English inventor has hit upon something similar to the process employed in Bengal, and elsewhere noticed in our present issue.

THE ROMAN STREETS.—The great Roman roads have left their impress on soil and language. In many places we may trace their route, even though the plow or the spade has obliterated physical signs, by the aid of local names. The Saxons were not road makers. Vast works, undertaken with a comprehensive imperial purpose, were beyond the range of Saxon civilization. The Saxon "streets" were borrowed from the Roman "strata," or paved roads; and the word street enables us to recognize the lines of Roman road which, straight as an arrow, connect the chief strategic positions in the island. Ardwick Le Street, in Yorkshire; Chester Le Street, in Durham; such places as Stretton, Stratton, Stretford, Stratford, Streatham, Streatley, tell of their position on the line of the Roman road. Roman roads which do not bear the name of street are often called port-ways. There are nine portways in different parts of the kingdom. In the Scandinavian districts the word "street" becomes "gate." In York, Leeds, and other towns the older streets are gates. In Manchester, too, we have Millgate, long, short, and old; St. Mary's gate; and the same word is found as far north as Edinburgh, in the Cowgate and Canongate. The terminations or prefixes, "bridge" and "ford," are too significant to need comment. These illustrations might be multiplied indefinitely, for the whole country teems with names which tell their own tales, and furnish valuable materials to the historian.—*English Paper.*

GENERAL MCDOWELL TAKES A RIDE.—The teamsters who drove General McDowell and staff to Fort Churchill gave them a specimen of driving which must have astonished them not a little. The driving was of the same style as that with which Hank Monk astonished old Horace Greeley. Relays of horses were provided along the road, and the boys put the General through at railroad speed. They went down Six-Mile Canon on the dead run. At the Gould & Curry Mill everybody supposed the team running away, and looked on in consternation. When they reached the station on the Carson known as the Frenchman's, the axles of the carriage were nearly red hot. It was found necessary to take off the wheels and pour water on the spindles. The General has doubtless been through battles without being half so much frightened as during this ride. Yet he stood it without crying for quarter.—*Enterprise.*

A CURIOSITY.—While a carpenter was sawing a beam, in this city, a few days since, says the Stockton *Independent*, he cut a knot asunder which contained a perfect miniature picture of a dog's head. The curiosity was noticed by W. W. Lee, who obtained one of the pieces containing the picture; and afterward the other part was secured by Mr. Weihe. Canine eye, face and ears, in dark color, were as accurately represented as it is possible for an artist to do with a brush.

OUR Eastern fishermen are reaping a good harvest this season. A correspondent writing from Lubec says that herring are plenty and fatter than for a number of years. It usually takes four hogsheads of fish to make one barrel of oil. This season it requires but a little over one hogshead. The oil, which three years ago sold for $9 per barrel, now sells readily for $40, and herring that last year commanded 25 cents per box now sell for 70 cents.

IT is stated to be a rule of law in the far western territories that "a town is a place where whisky is sold." By means of this rule the courts distinguish real towns from those which exist only on paper plans of land speculators.

THE whole number of National Banks to this time is five hundred and eight, with a total capital of eighty-three millions three hundred and sixty-four thousand dollars.

IT will take till 1868 to finish the tunnel under Lake Michigan at Chicago, to supply that city with water. The tunnel is to extend two miles under the lake.

DIVORCES.—One hundred applications for divorces have been made to Judge Ferris, of Virginia City. Of these, eighty-seven were commenced by the wives.

RICHARD WEGENER,
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AND GENERAL AGENT.
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In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
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MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

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To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

Assaying by the Humid Process.

The Territorial *Enterprise* of the 9th inst., contained the following item :—

At the assaying office of Theall & Co., we a day or two since examined an apparatus for assaying by a humid process which appears to have many advantages over the common plan of assaying by fire. The great advantage of the humid way, however, is its superior correctness in assaying ores or bars of silver. Gold may be kept in a molten state for a great length of time without suffering any perceptible loss, but this is not the case with silver. It is a very volatile metal, and it is only by the closest attention and the greatest care during the progress of a fire assay that loss can be prevented by sublimation or absorption by the cupel. In the humid process only acids and a solution of common salt are used. The method by which assays are made and the value of ores and metals ascertained, we have not space to explain. This plan of assaying is bound to supercede the old method, especially in this region, where nearly the whole work in the assay offices is in silver.

The item brought out the following communication in the next day's issue :—

EDITORS ENTERPRISE :—In regard to an article—"*Assaying by the Humid Process*"—in your yesterday's issue, allow me to make a few remarks on the subject to correct a few erroneous allegations therein.

Silver is not a *very* volatile metal. Next to gold, it is one of those precious metals which are the least apt to votalize, unless unskillful hands or careless manipulators expose it too long to a strong heat and draft, when the stream of air carries off a very small portion of the silver, like hydrogen and carbon set free from acids, etc., takes the sulphur along from its combining elements as a companion.

With another remark, in conclusion of the said article, I cannot reconcile either the theory or the experience of our eminent chemists and assayers.

Since 1829, when Gay-Lussac proposed to the French Government the adoption of the Humid process for assaying silver, it was only applicable to silver alloyed in a *molten* state, and although it cannot be denied that this process has undergone, since then, great improvements, there are still difficulties in the way of its general adoption in all localities, as, for in stance, in Washoe.

Supposing the silver contains only a small quantity of mercury or lead, then it requires not only the skill of an assayer, but also the scientific operations of an experienced chemist, to avoid the precipitation by salt water of the base metal chlorides along with the chloride of silver from its solution in nitric acid. Neither is this simple method of assaying applicable to *ore assays* until the metals have passed through the muffle furnace in the usual way of fire assay.

But scientific operators may assay either, in the humid or dry way, working with many other chemicals than salt and nitric acid ; as it is indispensably necessary to judge about the nature and composition of the ore (particularly in this Territory) before making an assay, so as to select the proper ingredients, fluxes and materials, for the purpose of getting at the correct result. LEOPOLD KUH.

The Expansion of Steel.

It is a well known fact, among those who are in the habit of hardening, that the hardening of steel increases its dimensions But there may be some who have had very little to do with it who may yet be ignorant of it, therefore it may be useful to acquaint those with it. But the amount of this expansion cannot be exactly stated, as it varies in different kinds of steel, and even in the same steel operated upon at different heats. But this expansion can be prevented in a great measure by annealing the steel about three times before the article is completely finished. For instance, when the first skin is taken from the steel it should be annealed again, and then another cut taken from it and annealed again, and so on for the third time ; and I have found that articles treated this way will always keep their size better in hardening than if the steel was only annealed once. But this may appear to some to be a deal of trouble, but they will find there is a saving in the end, as hardened steel is very difficult to work, and the working of hardened steel is very difficult, unknown to a great number of people ; and many that know how to work on it have not things convenient for it, such as buffs, laps, or stones. Therefore, to keep the article as near the proper size as possible is a matter of importance. I have had articles that have only been annealed once that have taken many hours to lap to the proper size after hardening ; and I have had articles of the kind, and from the same steel, and hardened at the same heat, that have been annealed three times, that have scarcely required to be touched after they have been hardened.—*G. Ede.*

Machinery.

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand. The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the superior Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of metal saved in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory ; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kasteller's Iron Works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.]

[HEPBURN & PETERSON.

nov8 3m*

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my Improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, until reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. present Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

s8op21

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st. 1864. 14v8-tf

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT liable to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,

23v8 Golden State Iron Works, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person, and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

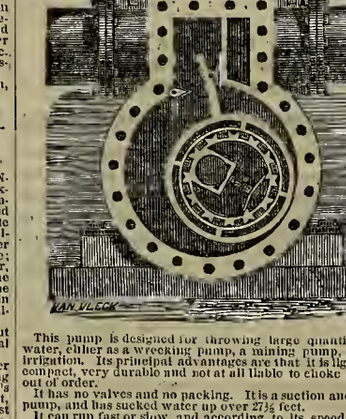
ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

HARRISON'S ECCENTRIC PUMP.



This pump is designed for throwing large quantities of water, either as a wrecking pump, a mining pump, or for irrigation. Its principal advantages are that it is light and compact, very durable and not at all liable to choke or get out of order.

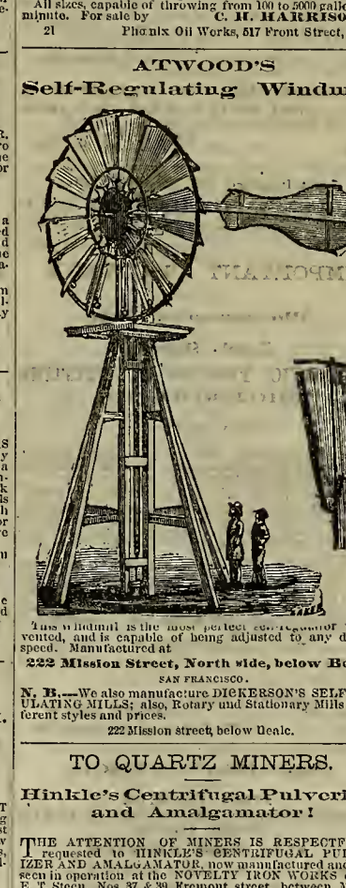
It has no valves and no packing. It is a suction and force pump, and has sucked water up over 27½ feet.

It can run fast or slow, and according to its speed is the quantity of water discharged.

All sizes, capable of throwing from 100 to 5000 gallons per minute. For sale by C. H. HARRISON,

21 Phœnix Oil Works, 517 Front Street, S. F.

ATWOOD'S
Self-Regulating Windmill.



This windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices.

222 Mission street, below Beale. 15

TO QUARTZ MINERS.
Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of Iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named places, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,

At the Novelty Iron Works, Nos. 37 & 39 Fremont street. 15-1m

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER,
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

Hudson's Improved Pump,

(Specimen on Exhibition in the Pavilion,)

Plumbing and Gas Fitting in all its Branches.

A. J. SMITH,
No. 33 Webb Street. 9-6tdf

Miscellaneous.

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,
WHOLESALE AND RETAIL DEALERS
— IN —
JAPAN AND CHINA TEAS,
AND
GROCERIES.

Store fronting on
514 Market & 15 Sutter St.
☞ THREE DOORS ☜
BELOW THE MARKET HOUSE,
San Francisco.

Our Motto, ☞ "Large Sales at Small Profits for CASH. ☜

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building, corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. GUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUGKS.....San Francisco.
GEO. H. BAKER.....San Francisco
P. T. ARGHAMBOU.....Geyserville.
19-3m

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF OCTOBER, 1864.

Oct. 3—GOLDEN AGE.....Capt. E. S. Fransworth.
At 3 o'clock P. M.
Oct. 13—CONSTITUTION.....Capt. J. T. Watkins.
Oct. 23—SACRAMENTO.....Capt. F. Bradbury.

From Folsom street Wharf, at nine o'clock A. M., punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. U. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

POSSIBLY A BIG SWINDLE.—The San Francisco correspondent of the Gold Hill (N. T.) *News* says: The press of this city has passed gingerly over the arrest of Franks, on the charge of forging the name of the President of the Utah Mining Company, of Aurora, on drafts of large amounts, and generally 'bonnigswoggling' the company out of, as is roughly estimated, say $20,000 at least. I do not know whether the charges are true or not, but from letters exhibited to me, and charged to have been written by him to the superintendent of the mine, I am prepared to see an exposure, when the case comes into court, which will make both the stockholders in San Francisco and also in the mountains open their eyes and commence investigating the conduct and management of other companies more closely than heretofore. If $17,000 can be wrung out of one company in a single month, when but $2,000 worth of work was done, powder and other supplies can be systematically disposed of at the rate of hundreds of dollars per month, claims can be "salted," and other claims which are really yielding richly, made to turn out nothing by the proceeds of the working being credited to another mine, as alleged in this case, who can tell how many other companies are similarly managed, and how far the general 'hardupness' of the community is attributable to swindling out and out, rather than to honest but misdirected expenditure of capital by superintendents and officers of a corporation.

CITY RAILWAY FARES.—The Buffalo city railway companies having applied to the Common Council for permission to increase their rates of fare, the case was laid before Judge Morton, who decided that the Common Council has not the power to alter the terms of the original contract, in accordance with which the franchise was granted. Even if the city should consent to an increase of fare, any passenger would have the right to demand transportation at the price originally fixed. A railroad grant is a contract to do a certain work, for a certain price, and the original rate of fare is the price fixed by that contract.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his pinas to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pencil-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a thorough search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory, if the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enabled to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examiner officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Gavent is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian sp[illegible], and inventors of every nationality, may [illegible] patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $30 to $40. If the patent is granted no further agency expenses a case. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by reinstating the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and presented in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agencies, and desire to negotiate in the prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimensions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered in our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new combination, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is about three months. We frequently get them through in less time; but other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, carpets, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or bas-relief, new ideas, designs or compositions to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 y'rs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years..	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without the consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damage awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any one of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant appears in person or by counsel and states his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

REVERSED.—The course of the rag trade on this coast appears to be reversed. A few years ago rags were gathered in our streets by tons and shipped to China, there to be made into paper by the Celestials, but owing to the increase and increasing demand for paper, and for materials from which to manufacture the same, in this country, the course of trade in this commodity has been reversed. Recently the barque Delaware, with an entire cargo of rags, arrived from Shanghai. The rags are assorted and prepared for the mills by Chinamen.

FIRE IN AUBURN.—For the fourth time in the history of Auburn, that place has been desolated by fire, originating in the Chinese quarter of the town. The last one occurred on Friday, and destroyed thirty-five houses and some $35,000 worth of property. The Placer *Herald* suggests, as a preventive of similar occurrences in future, that they should build of earth and gravel, a suitable material of that kind being abundant there, costing but a trifle more than wood, and looking neat and substantial.

AMERICAN WOMEN AND THE WAR.—The women of Carthage, when the Romans were at the gate, gave their hair to be made into bowstrings; the Countess Isabella vowed never to change her chemise until the beseigers had been driven from her castle walls; and the butchers' wives of Newgate Market declared they would drink no more burnt sack until King Charles' head was cut off; but I question whether ancient or modern history can furnish an example of a conflict which was so much of a "woman's war" as this. The bitterest, most vengeful of politicians, in this ensanguined controversy are the ladies. They differ in opinion, but in exasperation and implacability they are unanimous.

DISCONTINUED.—Quite a number of weekly papers have been stopped, recently, in the Eastern States, in consequence of the high price of paper and labor.

BRANDRETH'S PILLS.—The weak, the consumptive, rheumatic, costive, bilious and delicate, after some day's use, will find renewed strength and life pervade every organ of their frames. Sold by all Druggists.

New Mining Notices.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of October, 1864, an assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 728 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. O. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco. 17-4

Napa Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an Assessment of thirty (30) cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of October, 1864, in United States gold and silver coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 420 Montgomery street, San Francisco. Sale at the office of the company, at 1 o'clock P. M. 17-4

Steamboat Silver Mining Company, Star District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, on assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 18th day of October, 1864, in United States gold coin, to the Secretary, or to JAS. S. MACLEAN, Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTNAM, Secretary.

Office, Northeast corner Jackson and Front streets, San Francisco. 17-4

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. CRANE, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets, San Francisco, Cal. 17-4t

La Libertad Gold and Silver Mining Company, Cuacuchilas District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 3d day of September, 1864, in United States Gold and Silver Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. 17-4t

Table Mountain Copper Mining Company, Stanislaus District, Calaveras County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
D R Beckford	91	3	$1 95
G E Crowell	319	8	13 20
Milo Culkin	216	1	1 65
Milo Culkin	294	40	66 00
Milo Culkin	295	46	75 90
Mrs L A K Clapp	57	7	11 55
Mrs L A K Clapp	159	13	21 45
A L Davis	59 154	300 ea-10 sh	30 49 50
James Doyle	317	14	23 10
J N Elmore	287	10	16 50
James R Gates	286	10	16 50
W M Huntoon	4	282 ea-25	50 82 50
W M Huntoon	226	285 ea-5	10 16 50
W M Huntoon	272 237	249 ea-10	30 49 50
W M Huntoon	125	13	21 45
W M Huntoon	153	12	19 80
W M Huntoon	233	30	49 50
John A Hooper	290	65	107 25
Calvin H Hale	165	5	8 25
J E Hinchborn	196	15	24 75
C Hanson	200	15	24 75
C C Knowles	232	3	4 95
R W Lasley	273	1	1 65
John Minturn	210	4	6 60
R Newby	240	57	94 05
R Newby	246 301	302 ea-20	60 99 00
R Newby	247 303 504 305	307 ea-10	50 82 50
R Newby		306	8 4 95
Miss M E Phillips		150	5 8 25
J C Pellot Jr.		251	1 1 65
N C M Pelton		252	1 1 65
L D Stuart		160	3 4 95
R J Vanderwater		136	30 49 50
R J Vanderwater		156	4 6 60

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, 621 Clay Street, San Francisco, on Monday, the 7th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary
Office, No. 621 Clay street.

Providence Gold and Silver Mining Company, Works at Nevada County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessment levied on the 16th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Ainsworth	74	25	$25 00
E C Brooks		27½	27 50
John S Carter	100	20	20 00
John S Carter	101	20	20 00
John S Carter	115	10	10 00
Phebe E Carter	167	5	5 00
W P Davidson	125	3	3 00
Wm Davis	166	10	10 00
Wm Davis	168	20	20 00
Wm Davis	209	5	5 00
M S Elliot	32	10	10 00
George Elliot	33	5	5 00
Thatcher Emery	89	3	3 00
Thatcher Emery	90	3	3 00
Thatcher Emery	214	5	5 00
W A Frey	26	3	3 00
H S Huntington	34	50	50 00
F A Huntington	174	10	10 00
F A Huntington	35	12	12 00
P A Huntington	175	5	5 00
A C Hand	24	1	1 00
A C Loud	134	5	5 00
A C Loud		½	50
A Landen	154	5	5 00
W E Morey	213	10	10 00
D Norcross	130	15	15 00
H Peterson	43	10	10 00
Geo Pausch	58	5	5 00
Caroline Price	203	5	5 00
J R Richards	108	5	5 00
J Rodman	77	15	15 00
J Remuit	197	5	5 00
J J Robbins	193	25	25 00
Morin Sutherland	124	10	10 00
J D Sutherland	123	10	10 00
H H Shafer	143	2	2 00
Isaac Swain	200	5	5 00
Isaac Swain	201	5	5 00
A T Swain	207	2	2 00
A T Swain	208	5	5 00
Isaac Tabor	78	25	25 00
H T Thobun	94	2	2 00
A Wahrath	144	20	20 00
A Wahrath	83	4	4 00
A Walrath	215	5	5 00
M Welton	123	5	5 00
D F Wright	202	5	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of September, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 5th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Sansome, and Washington streets, San Francisco. 17

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

ONE HUNDRED DOLLARS IN CURRENCY.—One of our friends, who has been made a speculator by force of circumstances, was yesterday relating to us what a hundred dollars in currency had done for him since the war commenced. In 1861 he exchanged the above amount for one hundred dollars in gold, paying a premium of four dollars and fifty cents for it. The issue of greenbacks which followed soon after, sent up the price of gold to twenty per cent., when he sold his one hundred dollars for that much premium, making a handsome little sum. Finding that the premium on gold kept on increasing, he bought the next day, investing his one hundred dollars with what he had made. In the course of three or four days he sold again, and in a week he sold again, at the end of which time he had doubled his money. He pursued the same course with his two hundred dollars, until gold finally reached 72 per cent., when he sold again, the proceeds amounting to between seven and eight hundred dollars. This he invested in mess pork, at fifteen dollars per barrel, believing there would be, as there was, a re-action in gold; he sold the pork in the course of a month at an advance of seven dollars per barrel; when he made an investment of one-half of his funds in pork, the rest in whisky. But a few days ago, when whisky reached one dollar and eighty cents, and pork fifty dollars per barrel, he sold out, and found that he had sufficient funds to purchase a house on Seventh street, for which he paid seven thousand five hundred dollars. Such we know to be the history of one hundred dollars in currency since the war commenced, and it is in just such a manner that immense fortunes have been made.—*Cincinnati paper*

ARRIVAL OF THE SWEEDISH MINERS.—The Houghton *Mining Gazette* announces the arrival at that place of the first instalment of Sweedish miners, sent out by the Emigrant agency noted in our issue of three weeks since. The *Gazette* says: They numbered two hundred and thirty-eight men, besides the usual accompaniment of women, children, boxes, kettles and pans. The men are as an intelligent, hardy and active lot of men as we have seen, and from their actions are desirous of earning an honest living and commence work at once.

The most serious inconvenience with them is their inability to express themselves in the English language, and were it not for Messrs. Williams of the Smelting Works and a clerk in Butler's store, we don't know how the Agents could have succeeded in getting them separated and away to their respective mines. All, however, was accomplished, and with one exception the crowd broke up into small parties and contentedly trudged away.

HUMAN BONES FOUND.—D. W. Peck, Justice of the Peace, Hope Valley, last week discovered the bones of a man, near a small lake about three miles this side of Mitchell's ranch, and near the trail leading from Hope Valley to Markleeville. They were beside a log, near which a split stick was standing, as if a notice had been attached to it, but none could be discovered. On them were a pair of light, nailed boots, knit under shirt and drawers, a white shirt and a long vest with large pockets. The head was not found, but Dr. Peck discovered some long black hair. The bones were gathered and buried near where they were found by Mr. Coach's men. Last winter, a dog came to Peck's Red Lake House, several times, but would not allow himself to be caught, and every time he went away he started in the direction of the spot where the bones were discovered.—*Alpine Chronicle.*

THE first canal on record was one constructed by Ptolemy Philadelphus, for the purpose of opening a communication between the Nile and the Red Sea. The great canal of China, extending a distance of 825 miles, was commenced in the ninth century. Canals were introduced into England by the Romans, who formed one from the river Nyne, a little below Peterborough, to the river Witham, three miles south of Lincoln; and in 1134, during the reign of Henry I., a canal was made to effect a junction between Trent and Witham. The first canal regularly constructed with locks and sluices was made in 1563, near the city of Exeter.

POSTAGE.—Some people think they are not privileged to carry a sealed letter past a post-office or over a mail route. It is a mistake. Any man has the right to carry a letter anywhere, as an accommodation. He has no right to carry it for pay, however, over a mail route. This regulation is simply to protect the Government against competition. For a letter carried merely as a favor, no stamp is required.

TOO PROUD.—A fourteen hundred dollar clerk was dismissed lately from the Treasury Department, who represented that his pride would not allow him to appear in the United States uniform worn by the clerk's brigade.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whighan's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. FRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. 11tf

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGer. No wood work to swell or split. No thumb screws to get out of order. Warranted with or without cog wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F, $8.50. No. A, $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fasteuings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,
JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.
New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.
6-tf

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING
At less than half the cost of tin roofs.

READY ROOFING
More durable than Tin.

READY ROOFING
Suitable for steep or flat roofs.

READY ROOFING
For all kinds of buildings, in all climates.

READY ROOFING
Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING
Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces, with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 feet long.

WE ALSO MANUFACTURE
Liquid Cement,
FOR LEAKY TIN ROOFS.

Much cheaper and more durable than oil paint. Also,

Compound Cement,
For Leaky Shingle Roofs,

Which will often save the cost of a new roof.

Samplesses of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6tf 73 Maiden Lane, N. Y.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filing out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance,) to those who wish to pay us for subscriptions, advertising, mining blanks, etc When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

Mining Notices--Continued.

Aspinwall Gold and Silver Mining Company, Amador District, Lauder County, N. T.

CAUTION.—The public are hereby cautioned against negotiating for the following described Certificates of Stock of the above named company, as the same were sold for delinquent assessments, on the 13th day of August 1864, and will not be transferred on the books of the company, to wit:

Certificates No. 80, 81, 82 and 83, standing in the name of B. T. Hunt. Certificates No. 71, 72, 73, 74, 75, 76 and 77, standing in the name of W. D. Mathenay.

11 JOSEPH HEALY, Secretary.

Buckeye and Old Hickory Consolidated Gold, Silver and Lead Mining Company—Location, Santa Catalina Island, Los Angeles County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 3d day of September, 1864, an assessment (No. 7) of 50 cents per share was levied upon the capital stock of said Company, payable on the 10th day of September, 1864, in United States gold or silver coin, to the Secretary, at his office, No. 324 Clay street, San Francisco, or to J. K. PHILLIPS at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 15th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Thursday the 3d day of November, 1864, at 12 o'clock, to pay the delinquent assessment thereon, together with costs of advertising and the expenses of the sale. By order of the Board of Trustees

B. C. AUSTIN, Secretary.
Office, 324 Clay street, San Francisco. 11-4

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Friday, October 28th, 1864, and the sale thereof until Saturday, November 12th, 1864. By order of the Board of Trustees, made on the 13th day of October, 1864.

16 B. C. AUSTIN, Secretary.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 28th day of September, 1864, an assessment of five dollars per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary at his office, or to JAS. B. COFFEY, Virginia City, Nevada Territory.

Any stock upon which said assessment shall remain unpaid on the 1st day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 16th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Rooms No. 8 & 10, Government House, corner of Sansome and Washington streets, San Francisco, Cal. [14

Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of October, 1864, an Assessment (No. 10) of $5 per share was levied on the Capital Stock of said Company, payable on the 20th day of October, 1864, in United States gold coin to the Secretary, E. J. PFEIFFER, at the office of the Company, S. W. Corner Post and Dupont streets.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary.
16 4t Office, S. W. Corner, Post and Dupont Sts.

Caledonia Tunnel and Mining Company, Gold Hill District, Nevada Territory. Office, No. 8 & 10, Government House, corner Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Caledonia Tunnel and Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 14th, 1864, at 2 o'clock P. M. of that day.

16-5 J. M. BUFFINGTON, Secretary.

Dashing Wave Gold and Silver Mining Company.
Loomis Gold and Silver Mining Company.
Walker Gold and Silver Mining Company, Amador District, Lauder County, Nevada Territory.

Notice is hereby given that at a meeting of the Board of Trustees of said Companies, held on the 28th day of September, 1864, an assessment of 25 cents per share was levied upon the capital stock of each of said Companies, payable on the 29th day of September, 1864, in United States coin, to the Secretary at his office, or to FRANCIS CLARK, Superintendent at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 14th day of November, 1864, at 12 o'clock M., to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. HOLLIS, Secretary.
Office, No. 302 Montgomery street, San Francisco, California. 14

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment (No. 5) levied on the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W H Weldon	71	20	$0 00
W H Weldon	72	20	6 00
W H Weldon	73	20	0 00
W H Weldon	74	20	6 00
W H Weldon	75	20	0 00
W H Weldon	76	20	6 00
W H Weldon	77	20	6 00
W H Weldon	78	20	6 00
F Sanderson	23	20	6 00
F Sanderson	24	20	0 00
F Sanderson	25	20	6 00
F Sanderson	28	20	6 00
F Sanderson	29	20	6 00
F Sanderson	30	10	3 00
F Sanderson	176	10	3 00
F Sanderson	177	5	1 50
A W Sanderson	51	20	0 00
A W Sanderson	52	20	6 00
A W Sanderson	53	20	6 00
A W Sanderson	54	20	0 00
A W Sanderson	55	20	6 00
A W Sanderson	56	20	6 00
A W Sanderson	57	20	6 00
A W Sanderson	58	20	6 00
A W Sanderson	59	20	6 00
A W Sanderson	60	10	3 00
L F Sanderson	41	30	9 00
L F Sanderson	42	30	9 00
L F Sanderson	43	20	0 00
L F Sanderson	44	20	0 00
L F Sanderson	45	20	6 00
L F Sanderson	46	20	6 00
L F Sanderson	47	20	0 00
L F Sanderson	48	10	3 00
L F Sanderson	49	10	3 00
L F Sanderson	50	10	3 00
J S Morse	107	15	4 50
J Robbins	170	10	3 00
George Salisbury	100	10	3 00
A Thurber	157	10	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

JOHN J. SCOTCHLER, Secretary
Office, 204 Front Street, San Francisco, Cal. 16

Evoca Consolidated Copper Mining Company, Court Hill, or Evoca District, near Black's Ferry, Del Norte County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 5th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W F Williamson	14	112	$28 00
W F Williamson	15	112	28 00
F Collier	21	112	28 00
William H Bernard	136	56	14 00
R J Vandewater	67	12	3 00
R J Vandewater	68	50	12 50
R J Vandewater	69	50	12 50
George F Parker	104	112	28 00
Charles E Abbott	216	207	51 75
William Hamlin	177	50	12 50
George Treat	196	50	12 50
J J Robbins	209	152	38 00

And in accordance with law, and an order of the Board of Trustees made on the 5th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 537 Washington Street, San Francisco, Cal., on Monday the 24th day of October, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CHARLES E. ABBOT, Secretary.
Office, 537 Washington street, San Francisco, California 15-3t

El Dorado Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 24th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.
No. 430 Montgomery street, San Francisco. 14-4t

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Good Hope Gold and Silver Mining Company,
Alpine District, Alpine County.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 12th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Phillips	24	10	2 50
J L Benison	95	5	1 25
F A S Jones	88	25	6 25
F A S Jones	100	10	2 50
C A Fitch	99	10	2 50
D R Severance	113	15	3 75
A J Colby	117	15	3 75
F Mansell	127	10	2 50
Jas Cleary	134	20	5 00
Jas Arthur	135	20	5 00
Jas Arthur	150	5	1 25
H S Elkin	133	10	2 50
C A Johnson	154	10	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 12th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, No. 526 Montgomery street, San Francisco, on the 29th day of October, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [16 3t

Jesus Maria Trading and Mining Company,
Sonora, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 30th day of July, 1863, and on the 17th day of August, 1863, October 12th, 1863, December 17 and February 23, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
James Rathwin	10	25	$31 25
Jose Iacinus	2	25	68 75
Francisco Terminall	3	25	68 75
John S Brauder	82	125	18 75
Alex T Dupignac	1	25	68 75
R R Stain	61	25	25 00
G A Allman	12	25	31 25
John D Hogan	50 to 66	57	9 60
William Barry	11 to 15	250	31 25
Henry Smith	78 to 81	250	31 25
Michael Keelaher	19	25	31 25
Wm Dwyer	18	25	31 25

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No 35 Metropolitan Block, on the 9th day of November, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. D. GALLAGHER, Secretary,

15-4 Office, Room Third Floor, 35 Metropolitan Block.

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Township No. 8, Calaveras County, California.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of Forty Cents per share was levied upon the Capital Stock of said Company, payable immediately, to the Secretary, at the office of the company, No. 540 Clay Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 8th day of November, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Monday the 28th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.

Office, No. 540 Clay street, San Francisco. 15-4

Keokuk Gold, Silver and Copper Mining Company. Location, Clayton Mining District, Contra Costa County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of ten cents per share was levied upon the Capital Stock of said Company, payable on the 8th day of October, 1864, in United States gold coin to the Secretary at his office, or to J. W. CASSIDY at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 5th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEOAR, Secretary.

15-41 Office, No. 22 Front Street, San Francisco.

Lancaster Gold and Silver Mining Company,
Location, Como, Lyon County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied of fifty cents per share, on the 11th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No Shares.	Amount.
R Kirk	1	36	$18 00
R S Dumont	31 to 34	40	20 00
G Percival	19 to 25	80	40 00
R Brown	62	40	20 00
E P McKean	66	40	20 00
Wm Curry & D Jones	26	40	20 00
J Armitage	8	40	20 00
B Watkins	155	20	10 00
S Russell	117 to 119	6	3 00
M Robinson	59 to 61	3	1 50
Thos Drumm	67	7	3 50
M Prendeville	80	1	50
F Hall	96	2	1 00

And in accordance with law and an order of the Board of Trustees, made on the 11th day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 26th day of October, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, No. 302, corner Montgomery & Pine streets. [15

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 16-tf

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise.*

Mammoth Gold and Silver Mining Company,
Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 24th day of September, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 25th day of September, 1864, in United States gold coin, to the Secretary, or to E. B. CURTIS, Superintendent, Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 12th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco. 16 4t

Notice of Dividend.—Office Crescent Quartz Mining Company, Indian Valley, Plumas County, California, Sept. 20, 1864.

At a meeting of the Board of Trustees of the Crescent Quartz Mining Company, held this day, a Dividend of Fifty Dollars per share was duly declared, payable October 1st, 1864, at the office of I. GLAZIER & BROTHER, 311 Clay street, San Francisco, or at the office of the company, Indian Valley, Plumas county, California.

14w2d-t W. A. BOLINGER, Secretary.

Mammoth Gold and Silver Mining Company,
Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Bynn, H S	8 22	32	16 00
Carlisle, H B J, estate, not issued		22 2 3	64 00
Crawford, Wm	not issued	80	44 50
Davis, W D	88	10	5 00
Egan, E D	not issued	141	72 00
Fehr, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Grier Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 56
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 76 77		80	40 00
Payne, S S	9	5	2 56
Richardson, S	10 20	20	10 00
Tanner, O	8	2	1 00
Whitton, M S	bal	7½	3 75
Whitton, R J	bal	29	14 50
Whitton, W R	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Dyson, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. [14

POSTPONEMENT.—The above sale is postponed until Monday, November 21st, 1864, at the same hour and place. By order of the Board of Trustees.

17-4 J. WARREN CLARK, Secretary.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 10th day of October, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 7th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary

Office, southwest corner Washington and Stockton streets, San Francisco.

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an assessment of 25 cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 411 Clay street, in the City of San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Office, No. 411 Clay street, San Francisco. 15-4

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	28 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Purrinton	11	16 2 3	50
R C Jacobs	32, 137	39 1 3	119
J J Corrigan	153	31	93
J F Borland	89	8 1-3	25
F G Norman	92, 170	14 2-3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Phillips	54, 55, 6, 68	07, 88	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	18 2 3	50
Edson Sammis	87, 114	24 1 3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1 3	25
J D Thompson	162	25	75
W J Leland	88, 94	5 1-2	16
Gilbert Palacho	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1 3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Mooro	111	3	9
D S Lord	90. 197	32	98
John Todd	105, 144	8 2 3	25
E G Mathews	132, 172	3	9
Geo L Faulkner		11 1 3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	120	8 1 3	25
S C Peck	128	4 1 6	12 50
R M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Gobles	151	1	3
James Delaney	153	2 1 3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery St., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Oxford Beta Tunnel and Mining Company,
Silver Hill, Esmeralda District, N. T.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 5th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
A Hinds	52	50	$5 00
A Hinds	33	25	12 50
A Hinds	34	10	5 00
A Hinds	35	10	5 00
A Hinds	36	5	2 50
N K Lowell	181	100	50 00
Joshua Phelps	160	5	2 50
tra F Rankin	unissued	100	50 00
John Abel	136	5	2 50
M P Clayton	179	5	2 50
M P Clayton	180	5	2 50
Geo W Dorn	196	20	10 00
Geo W Dorn	197	20	10 00
Geo W Dorn	201	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., 327 Montgomery street, San Francisco, on the 2d day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 16

Rabbi Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of October, 1864, an assessment (No. 3) of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to W. M. WILLIAMSON, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on the twelfth (12) day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the thirtieth day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. 16-4

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of September, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately in United States Coin, to the Secretary in San Francisco, or JOHN FRICKEN, Superintendent, in Mariposa.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 7th day of November, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 205 Battery street, and corner of California street, San Francisco. 14-4t

St. Paul Gold and Silver Mining Company,
Amador District, Lander County N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessments levied on the 3d day of February and the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
F Clark	certificate not issued	25	$ 25 00
J Garbor	21	10	10 00
J Garber	22	10	10 00
J Garber	23	5	5 00
D B Palmer	64	5	2 50
D B Palmer	65	5	2 50
D B Palmer	66	5	2 50
D B Palmer	67	5	2 50
J B Weller	68	5	2 50
J B Weller	69	10	5 00
F Forcman	70	10	5 00
J E Oatman	111	20	10 00
J W Craycroft	113	10	5 00
C F Lott	116	50	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at by public auction John Middleton & Son, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 16

POSTPONEMENT.—The above sale is postponed until Monday, November 7th, 1864, at the same place and hour. By order of the Board of Trustees.

17-3t N. DUPERU, Secretary.

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it wicked.)—*Red Bluff Independent.*

Scott Mining and Exploring Company, Hamholdt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice is hereby given, that at a meeting of the Board Trustees of said company, held on the 28th day of September, 1864, an assessment of 33½ cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company.

Any Stock upon which said assessment shall remain unpaid on the 8th day of November 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 23d day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. 14-4

Simpson & Bossetle Mining Company—Mines Located in Carson Valley Mining District

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of September, 1864, an Assessment of 30 cents per share was levied upon the Capital Stock of said Company, payable on the 26th day of September, 1864, in United States gold coin, to the Secretary, at his office, or to Dr. J. W. WATERS, at Markleeville, Alpine County, California.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 22d day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 7th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [13-4t

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, the 29th day of October, 1864, and the sale thereof until Monday, the 14th day of November, 1864. By order of the Board of Trustees.

17 T. L. BIBBINS, Secretary.

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras County, California

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 8th day of October, 1864, an assessment of ten (10) cents per share was levied upon the capital stock of said Company, payable on the 10th day of October, 1864, in United States gold coin, to the Secretary, at his office on Rock Creek.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. J. FINDLEY, Secretary.

Office, Rock Creek, Calaveras County. 16-4

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to JOHN MORREY, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. September 20th, 1864. 13-4t

Tallatai Mining Company, Sierra District, Humboldt County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock on account of Assessment levied on the 6th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
W H Cherry	6	20	$290 77
E R Righton	92	14	70 00
E R Righton	93	7	35 00
E R Righton	certif not issued	53	885 00
S C Dorn	certif not issued	50	665 50
C Bico	58	50	708 00
C Bico	57	50	706 00
C Bico	58	10	141 20
C Bico	59	10	141 20
C Bico	60	10	141 20
C Bico	81	10	141 20
C Bico	63	20	282 40
C Bico	64	20	282 40
C Bico	65	5	70 80
C Bico	66	5	70 60
C Bico	certif not issued	8½	91 70
C F Ellsworth	47	14	126 00

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the company, No. 8 3 Montgomery street, San Francisco, on Tuesday, the 1st day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEO. A. HILL, Secretary,

Office, No. 623 Montgomery Street, San Francisco, Cal. 16

United States Mining Company, Virginia District, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 30th day of September, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, or to J. B. CORTEY, Virginia, Nevada Territory

Any stock upon which said Assessment shall remain unpaid on Monday the 31st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday the 16th day of November, 1864, at 12 o'clock M., to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10 Government House, corner of Sansome and Washington sts., San Francisco, Cal. 14

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

1852. 1864.
TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1852.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

Serial Romances in the Golden Era.

The most popular Novels of the present day—
"THE DOCTOR'S WIFE," by Miss Braddon.
"OUR MUTUAL FRIEND," by Charles Dickens;
published as Serials, from week to week, in THE GOLDEN ERA, from advance sheets, simultaneously with their appearance in the English and Atlantic Periodicals.

Among the Contributors to the GOLDEN ERA are all the prominent writers of Literary Repute in California, and on the Pacific Coast; also correspondents and contributors of distinguished talent in the Atlantic States and Europe; including "Orpheus C-Kerr," Fitz Hugh Ludlow, G. B. Densmore, "Mark Twain," Dan De Quille, Florence Fane, Miss Emma Hardinge, Sarah E. Carmichael, Annie E. Fitzgerald, "Occasia Owen," Alica Mason, William Simpson, Chas. F. Stoddart, "Ina," H. C. Williston, "Albion," "Fairfax," Bonnevel, Mary Kyle Dallas, Margaret Hosmer, and many other accomplished writers of Fiction, Romance, Novels and Stories, Poetry, Essays, Sketches, etc., etc., comprising an array of Talent and Genius unapproached by any Literary Journal in California, the Atlantic States or Europe.

The proprietors of the GOLDEN ERA announce the receipt of advance Sheets of Miss M. E Braddon's New Novel,

The Doctor's Wife,

The most brilliant effort of the celebrated author of "Aurora Floyd;" "The Outcasts;" "Three Times Dead;" "Lady Audley's Secret;" etc., etc.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

The GOLDEN ERA, One Year.....Four Dollars.
The GOLDEN ERA, Six Months.....Two Dollars.

THE TWO GREAT SERIALS,
"OUR MUTUAL FRIEND,".....by Charles Dickens.
"THE DOCTOR'S WIFE,".....by Miss Braddon.

"THOUGHTS AND THINGS,"

APPEAR WEEKLY IN THE GOLDEN ERA,
Read "Thoughts and Things" in the GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

One Year.....$4 00 Six Months.....$2 00

To Mail Subscribers.

THE GOLDEN ERA for One Year.....$4 00
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Sent from the Office to any Address in California and Oregon—Nevada, Washington, Idaho, Utah and Colorado Territories—the Atlantic States, Europe, and all parts of the World.

Subscriptions to be Paid in Advance.

ONE YEAR $4. SIX MONTHS $2. THREE MONTHS $1.

Take care to write distinctly the name of the person; the name of the city, town or locality where the Post office is situated, and the name of the County and State, in order that the paper may be fully and accurately directed to every address.

THE GOLDEN ERA TO CLUBS.

Parties (living remote from localities where agents are located) forming a club of five yearly or half-yearly subscribers, and forwarding the subscriptions (by letter registered and postage paid) to the office of publication in San Francisco, will be entitled to an additional copy of The GOLDEN ERA for the term of one year, or to retain the equivalent in cash.

AGENTS in every part of the State receive subscribtions for the GOLDEN ERA.

POSTMASTERS in California, Oregon, and neighboring Territories, obtaining subscriptions for the GOLDEN ERA and forwarding the same, with name and address of the subscriber, will be allowed a commission therefor.

PARTIES residing in localities where no Agents are established will forward their subscriptions by mail.

SUBSCRIBERS will be careful in writing as plainly and fully as possible, the direction of papers to be sent to any part of California, the Atlantic States, or elsewhere.

BY AUTHORITY OF THE STATE OF CALIFORNIA.

Having fully complied with the law by a deposit of $525,000 bonds of the State of California and the United States,

BIGELOW & BROTHER,

GENERAL INSURANCE AGENTS,

FIRE, MARINE AND LIFE INSURANCE,

Capital Represented.....$15,000,000.

California Deposit.....$525,000.

Office Northwest corner Sacramento and Montgomery streets, and Northwest corner Front and California streets.

LIFE, MARINE AND FIRE COMPANIES,

HARTFORD FIRE INSURANCE COMPANY, Assets..... $1,500,000
HOME INSURANCE COMPANY, of New York, Assets..... 3,400,000
SECURITY INSURANCE COMPANY, of New York, Assets..... 2,000,000
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Policies issued on Freights, Cargoes, and Treasure, from and to All Parts of the World. Voyage War Risks taken on Hulls.

Fire Insurance Policies issued on all kinds of Insurable Property in the Country or City. Losses Payable in Gold Coin of the United States.

We represent the Oldest and Best Companies in the United States, and offer as favorable terms as any agency on this Coast.

Losses paid immediately on adjustment.

BIGELOW & BROTHER,
General Agents.

17-6m

Now is the Time to Subscribe.

TO ADVERTISERS!

Best Advertising Medium—The "Golden Era" is the oldest Weekly Journal in California, and indisputably enjoys by far the largest circulation in the city of San Francisco and in the interior of the State.

THE GOLDEN ERA

Is universally read in every city, town, village, and mining and agricultural precinct in California, and offers unusual and unequaled advantages to those who desire to bring their business prominently before the community. Only a limited space is devoted to advertising. All advertising pages are also largely occupied with fresh and interesting reading matter, and no advertisement can escape attention. The charges for advertising are not so large, proportioned to the benefits derived, as those of other papers. Liberal terms will be made with those who advertise for three or six months, or by the year.

GOLDEN ERA POSTAGE.

POSTAGE on the GOLDEN ERA, to Mail Subscribers, in California and throughout all the States and Territories of the Union, per quarter, (3 months).... 5 cts. To be paid quarterly, in advance, either at the Office of Mailing or Delivery.
POSTAGE on the GOLDEN ERA, Single Copies, transient, to be prepaid by stamps..... 2 cts.
POSTAGE on the GOLDEN ERA, to Mail Subscribers in the county (San Francisco) where published..... Free.

TO MAIL SUBSCRIBERS.

The Golden Era, for One Year..... $4 00
The Golden Era, for Six Months..... $2 00
The Golden Era, for Three Months..... $1 00

Subscriptions to be Paid in Advance.

BROOKS & LAWRENCE,
GOLDEN ERA BUILDING,
543 Clay st., near Montgomery, San Francisco.

REVOLVING

IRON AND WOOD SHUTTERS

—FOR—

Buildings and Safes,

Manufactured by

ALEXANDER GRAFTON & CO., LONDON.

TO BE HAD OF

BROCK JOHNSON,

No. 28 Government House, corner of Washington and Sausoma Streets, San Francisco, at from

Three to Five Shillings per Superficial Foot, Including All Winding Gear Ready for Fixing.

Every Description of Brass Sash Bars and Stall Plates Manufactured to Drawings and Specifications, from Three Shillings per Foot run. 16-tf

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

THE richest individual in England is the Marquis of Westminster, whose daily income is estimated at five thousand dollars. The Rothschilds, four of them, are the richest house in Europe, and their income is estimated at nine millions a year, or a thousand dollars an hour.

ABOUT a million and a half feet of lumber, in logs, ready for the U. S. Government mill, were destroyed by fire on the Truckee, recently. The lumber was to be used in buildings at the Nevada Indian Reservation.

WASHING MACHINES,
(HORNER'S ECONOMY,)
WRINGERS, STANDARD SOAP COMPANY'S MANUFACTURES,
And every accessory to cleanliness, at
L. G. DUDLEY'S Agency,
No. 625 Market street, opposite Montgomery. [17-tf

Beware of Chloroform!

TEETH extracted without pain by the use of an apparatus wherewith no Drugs are used. Being a local agent applied to the gums only, no fear need be entertained, as it is sure and safe. All operations appertaining to the Dental Art performed in a skillful manner. Teeth inserted in every style.

DR. E. BELLE, Dentist.
No. 408 Pine street, near Montgomery. 17

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,
Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.
Manufacturer of Brass, Zinc, and Anti-Friction or
Babbet Metal Castings;
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GONGS,
FIRE ENGINES, FORCE AND LIFT PUMPS,
Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,
HYDRAULIC PIPES AND NOZZELS
For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."
☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

BRANDRETH'S PILLS.

This Medicine often Cures when all others have failed. They prevent Apoplexy; they Cure Diseases of the Heart and Nervous Diseases, and as a

Purgative and Billious Pill,

They have not their equal in the World. Employed according to directions, accompanying every box of new style, they produce

Great Purity of the Blood and the System Generally,

Causing only the removal of vitiated matters which have become useless or injurious, and securing in the reconstruction of diseased parts of nothing but sound and healthy materials.

THE USE OF BRANDRETH'S PILLS
OCCASION
The Actual Decrease of the PRINCIPLE OF DEATH, and an Increase of the Vivifying, the Life Principle.

B. BRANDRETH,
294 Canal Street, New York.
W. F. BRANDRETH,
Office at Crane & Brigham's, San Francisco.

By sending $1 in coin to the above address, five boxes of pills will be sent to any part of this coast or the interior, free of charge. 16-3m4c8p

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, OCTOBER 29, 1864.

VOLUME IX. Number 18.

S. F. Mechanics' Fair Reports.

COMMITTEE REPORTS

OF THE SAN FRANCISCO MECHANICS' INSTITUTE INDUSTRIAL EXHIBITION OF 1864.

Class I.

Agricultural Implements and Machinery.

COMMITTEE:

D. L. PERKINS, M. HUNGERFORD, A. R. MARDEN.

Report.

The Committee of Examination in this department recommend awards as follows:—

Premium to J. Price, of Petaluma, for best Hay Press.

Premium to H. R. Hule, of Alameda county, for best Gang Plow.

Premium to M. Munral, for Wine Press. [The Executive Board do not find the name of Mr. Muural upon the records as an exhibitor, and will accordingly hold the premium for identification.]

Premium to J. B. Barker for model of steam power machine, designed for making extensive earth excavations and embankments.

Premium to A. Huuter for Patent Grain Separator.

Premium to W. Wadsworth, of Sacrameuto, for patented "American" Soil Tiller.

Premium to Joel Halstead, for Wine and Cider Mill, with Press combined.

The committee distinguish by honorable mention—

The Hay Press exhibited by G. C. Paine.

The Patent Seed Pinator and Cultivator exhibited by D. & H. A. Winter.

The Gang Plow exhibited by L. Holloway.

And the Wine Press and Mill, combined, exhibited by E. W. Walton, of Amador county.

J. D. Arthur & Son, San Francisco, exhibit a finely finished Reaper of the Seymour & Morgan pattern, a model of the "Giant," and an assortment of plows—all of Eastern manufacture.

Hawley & Co., San Francisco, exhibit one of the "Buckeye" Mowing Machines and a number of patent plows—imported.

A Cotton Gin, farnished by the firm of Melrose, Zorn & Co., was in daily operation, during the Fair, upon samples of cotton raised by Jackson & Johuson, on the Sacramento river (where, with an experience of two years, under disadvantages, they believe they can yet raise it successfully and profitably). The cotton-raising enterprizes at the Islands and in Mexico, if not in California, will make a market here for the indispensable Gin, which can as well be built here as imported.

[Premium awarded to Z. Sikes, of Santa Clara, for Gage's Roller and Grain Drill; to Wm. Saunders, for Improved Whiffle-Trees; and to F. B. Lamh, for Sheep Shearing Machine, cannot be allowed by the Executive Board, the articles named having been entered as of Eastern manufacture. They will, therefore, rank with articles honorably mentioned.]

Class II.

Quartz Mining Machinery.

COMMITTEE:

W. T. GARRATT, H. P. WAKELEE, E. M. RADCLIFF, OTTOVIANO GORI, GEO. JOHNSON, O. BELDEN.

Report.

If any evidence were needed to show the importance of the great, growing and, we may add, vital interest of the Pacific coast, MINING, we have only to point to the numerous machines exhibited in this department of the Exhibition just closed, all of which possess great merit, and many are so similar in their construction that in some cases our task to determine to which the premium should be awarded has been most difficult.

Quartz Crusher or Rock Breaker.—We award a premium to W. W. Hanscom, for his crusher, which, in our opinion, offers the greatest facility for adjustment, to reduce the ore fine or coarse, as may be required, and which is the principal distinction we can draw between this and the well known Blake Crusher.

To Moore's Improved Howell Crusher we award a premium. The result of experimental running of this machine at the Exhibition, showed that it reduced quartz to an impalpable powder at the rate of about one ton per hour. The inventor claims that "the action of the machine is rapid, safe and effective, and runs with nine-horse power to crush fifteen hundred pounds of quartz per hour. The shoes on the arm can be replaced in half an hour, at a very small expense. The machine requires no foundation to stand upon, but can be placed on a common floor, and can be packed on mules, as the heaviest piece weighs only 300 pounds. If the quartz is required to be pulverized only to the ordinary fineness to enter the grinding pans, a crusher can be built to reduce one ton of quartz per hour, to be driven by a six-horse power engine."

To W. D. Farrand we award a premium for his Amalgamator.

Honorable mention of Wheeler & Randall's, Varney's, and Hepburn & Peterson's "Reducers and Crushers." All these pans are in practical use, and each has its advocates among the miners.

E. D. Johnson presented a model of a very ingenious machine, under the name of the "Novelty Amalgamator." We regret it did not appear in larger size. As a model, its practical value could not be ascertained.

To J. B. Baux (Baux & Guiod's Separator and Amalgamator) we award a premium as separator.

To E. B. Prater we award a premium for his Concentrator.

Honorable mention of Varney's, Hepburn's, and Hunter's Seperator.

To J. Dredie we award a premium for his patent lining of the "Freiburg Amalgamating Barrel," which consists of blocks of wood set on end, thereby greatly increasing its durability and effective operation as an amalgamator.

To W. W. Duan we award a premium for his Rock Drill.

To Oscar Lewis we award a premium for his model of Wheeler & Randall's Amalgamating Pan; the workmanship of which is superior to anything we have seen of the kind.

Honorable mention of R. S. Eells' model of his "Percussion Quartz Mill."

Honorable mention of D. Fauchery's Quartz Grinder, for working wet or dry. This, with his "Crocodile Quartz Crusher," forms a complete mill.

To J. M. Beth we award a premium as Reducer, in his Reducer and Amalgamator.

Honorable mention of Judge Rix's Trip Hammer Crusher.

All of which is respectfully submitted.

San Francisco, Oct. 8th, 1864.

Class III.

Manufacturing Machinery and Steam Engines.

COMMITTEE:

WM. MCKIBBEN, JAS. MOORE, WM. SCHMOLZ, C. C. DENNIS, A. W. STRATTON.

Report.

The Exhibition in this department comprised a great variety of articles of substantial and beautiful workmanship, which bear ample evidence that we have passed the period of dependence on workshops abroad. The machinery, tools, models &c., adapted to a great variety of uses, the valuable inventions and new improvements, are in the highest degree creditable to the skill and resources of our home manufactures and mechanics.

J. Scoville—Exhibits a Portable Clamp Drill, which is well made, simple, practical and in our judgment deserves a Premium.

Melrose Zorn & Co.—Exhibit among other imported articles a Steam Guage and a Counter, which are accurately and durably made.

Meeker, Jones & Co—Exhibit an Imported Patent Spoke Borer, well adapted for the use of wheelwrights.

Wm. T. Garratt, S. F.—Exhibits Brass Work. The stock in this lot embraces globe valves, water cocks, water gauges, steam whistles, hydraulic pipes, engine torches hose couplings, Reeves' Improved oil globes, &c., &c. The various sizes and patterns of the articles enumerated, together with others, contributed to make this one of the most noticeable lots in the Exhibition. Mr. Garratt's globe valves are superior in style, durability, and safety to any imported, and the rich metal, fine finish and quality of all his work will compare favorably with the work from any manufactory abroad, and attests the excellence attained in this branch of home industry. It should receive a Premium.

Conroy & O'Connor, S. F.—Exhibit a large assortment of imported vices, anvils, cast steel bells &c., &c., together with a Patent Chain Pully Purchase, which with one of the same pattern exhibited by Coffee & Ridson, was practically and satisfactorily tested by constant use in setting and adjusting the heavy machinery in the Exhibition.

Fargo & Babcock, S. F.—Exhibit one of Stoddard's Shingle Machines, which is worthy the attention of persons interested.

David Stoddard, S. F.—Exhibits a Blacksmiths' Drill of ingenious construction, compact and portable, designed to work either by hand or power. We consider it worthy of a Premium.

A. J. Frick, S. F.—Exhibits a Patent Packing and Filling Machine, which performs its work advantageously and well.

G. W. Guion, S. F.—Exhibits a large and full assortment of imported tools for almost every mechanical trade.

J. Heady, S. F.—A Circular Gang Saw Mill. This is one of the most interesting machines in the Exhibition. Two large Circular Saws working upon parallel horizontal shafts, set one above the other to cut in the same line, enable it to saw logs of great thickness, while the horizontal gang of six saws, working on an upright shaft, operate in advance of the perpendicular saws and before the piece being cut is severed from the log. The saws in the horizontal gang can be adjusted to cut any required thickness of scantling, which, being firmly held to the solid log until severed by the vertical cut cannot spring or bead to bind and obstruct the saws. An original arrangement for truing the saws when running, is attached to the frame, and is worked by a lever without danger of injury to the operator.

It is claimed that the mill is capable of turning out 25,000 feet of inch boards or 30,000 feet of scantling every twelve hours, making more lumber from the log at less proportionate cost of labor and power than any other. It is due Messrs. Hinkley & Co., the builders, that the committee should bear testimony to the admirable proportions and fittings of every part of this substantial and highly useful piece of mechanism, and we recommend a Premium.

Wm. Dorney, San Francisco.—A Patent Saw-Filing Machine, which performs the operation of filing circular saws more accurately and expeditiously than it can be done by hand. We would award it a Premium.

F. W. Spaulding, San Francisco.—Two Patent Tooth Circular Saws—very appropriately set for exhibition on Hinckley & Co.'s mill. The preference which Mr. Spaulding's tooth saws have found with mill men and manufacturers of lumber, sufficiently attests their superiority, the advantages being a saving of cost for files and time in keeping them in order, while the original size of the saw is never reduced by wear, never requires "gumming," is not liable to spring and heat, and from the better cutting form of the teeth, will run with less power and do better work than the ordinary saw. The teeth are of better material than is used in the plate; their temper can always be exactly adapted to the requirements, and when broken or worn they can be readily extracted and replaced, without strain on the plate or removing it from its seat on the shaft. Mr. Spaulding is well entitled to a Premium.

Pacific Iron Works, San Francisco.—Green's Patent Steam Engine. This engine, worked for running the machinery at the Fair, was manufactured by Goddard & Co., under the patent of H. J. Green, of Providence, R. I., for a variable cut-off. The cylinder is 18 by 36. The mechanical arrangement is very simple and effective, taking the steam from the steam-chest on top of the cylinder through ports and a common side valve, the valves on each end of the cylinder being worked by an independent shaft and arm, used only for the steam, the exhaust being an independent valve in the side of the cylinder driven by a separate eccentric and rod. This arrangement leaves the steam valves independent of each other and of the exhaust, and their movement entirely under the control of the governor. The effect of this arrangement is to measure the steam, and admit it at each end of the cylinder in small quantities, as is required by the work to be done (not withdrawing the steam, as is done by the ordinary governor valve, but admitting it at nearly the same pressure as that indicated by the steam guage on the boilers.) It is claimed by the inventors and the manufacturers of this engine that it will save fully thirty per cent. of fuel on a given amount of work as compared with ordinary engines.

The committee had an opportunity to test all the claims thoroughly; but the correctness of the principle is so obvious, and the working of the engine so perfect, that we do not doubt it offers a great desideratum in the way of steam power, and particularly on the Pacific coast. The engine worked effectively and economically during the Fair. The fine proportion, superior finish and perfection of workmanship on this engine deserve a Premium.

Van Winkle & Duncan, Sac.—Patent Tire Upsetting Machine. Answers the purpose well, and is a valuable machine for blacksmiths' use.

Devoe, Dinsmore & Co., S. F.—A Sugar Mill, model, interesting to grinders of Sugar Cane.

Peck & Venard, S. F.—Patent Preparation for cleaning steam boilers. Will require a practical test in both new and old boilers, to determine its value, which is very great if it effects what is claimed.

W. D. Root, S. F.—Tire Upsetter and Punch combined. Needs improvement.

Z. Rice, S. F.—Sample case of Lock work and mechanics' implements of practical utility.

J. Bien, S. F.—A Combination Lock. Effective and simple in arrangement and an excellent piece of mechanical work, deserving Premium.

D. Dodge, S. F.—Two of Tapley's self-feeding Hand Sawing Machines (imported). They operate perfectly, and would be useful in the shops of most wood workers.

H. S. Smith, S. F.—Two Sets Dunbar's Patent Piston Packing Rings. This packing has been tried and gives entire satisfaction.

Andrew Stevens, Vulcan Iron Works, San Francisco.—Piston Packing Rings. A California invention, applied to a number of engines in this State, and giving satisfaction in every case. One great advantage steam packing has over springs is, that it is entirely self-acting, and avoids the danger of inexperienced men cutting the cylinders and using up power by setting up the springs too much. Premium.

Pacific Iron Works, San Francisco.—A Bryan Five-Stamp Battery. Built in a very substantial manner, and provided with all the latest improvements.

Reeve's Improved Oil Globe, for oiling cylinders under steam pressure. By turning the handle of the plug in an upright position, the pressure of the steam and springs seal the valve, cutting off the communication between the cylinder and globe, when the globe is filled with oil by turning the handle down, and the communication is cut off between the cup and globe.

The eccentric upon the plug is brought to bear on the stem of the valve, which unseats it, and may be so graduated as to admit more or less oil, as may be desired. Premium.

A. S. Hallidie & Co., San Francisco.—Improved Wire Rope Machine, invented by Mr. A. S. Hallidie, for the manufacture of wire rope and cordage, and of wire submarine telegraph cables.

It is different from any machine of the kind heretofore employed; and on examination, in actual operation, we find very many novelties in detail, while the general arrangement of the machine itself is entirely new. It possesses several important advantages over the best machine of this class. The bobbins which contain the wires (there are seven in the machine exhibited) are placed in horizontal frames, in a line immediately in front of one another, and, with the exception of the motion caused by drawing off of the wire, are motionless.

[Remark.—In the latest improved machines the bobbins are placed in vertical frames, and revolve at a great velocity around a center bobbins.]

By this arrangement the attendant can examine the bobbins and wire at any time without stopping the machine, and the frame of the machine under examination being no larger than sufficient to revolve free of the bobbins, offer a resistance to the atmosphere in proportion to its diameter, which is less than one sixth of the vertical machine of the same capacity.

In the machine exhibited, the cord or rope is formed by the frame, which is light and simple, revolving around the bobbins, and inside a series of anti-friction pulleys. The wires, after leaving the bobbins, pass through a hollow spindle in the center of the frame to its outer circumference, then along the length of the frame, being guided on its way by means of small pulleys or guideholes to the "top" or "former," when they come together, and as the frame revolves the wires are laid together in the cord. The cord then passes half around a horizontal sheeve, to which is attached a register, or indicator (this ingenious register is accurately made by J. Roach), which registers the length of the cord as it is made; it then passes to the drawing-off gear, regulating the lay of the rope or the number of turns per inch, thence to the coiling up reel, which coils it up as fast as it is drawn off. The machine does its work well and expeditiously, running at a velocity of six hundred per minute, the machine contains 150 pounds of wire at a time, and is capable of making 10,000 yards of strand per day of ten hours.

Continued on page 280.

[Written for the Mining and Scientific Press.]

Copper Mining and Smelting in Copperopolis.

Editors Mining Press:—The mines of this district have heretofore been fully and repeatedly described, and it would therefore be superfluous to describe them again. It is nearly three years since I previously visited the mines, at which time they were very little developed. Since that time their aspects and prospects have changed considerably, and what was then only in prospect is now in reality. The mines at present are yielding a large amount of shipping ore, and one of them, at least, pays the shareholders a handsome return. I am pleased to find that my former prophecy and expectations have been realized. The richness of the ore allows the mines to be worked by the present system, which is as primitive as in most of the English mines, where they use hardly any machinery for sorting or dressing the ore. Here in Copperopolis they do not use any whatever, but assort all by hand, which, at the present price of labor, could as well be done for less than half the present cost. Perhaps the proprietors act upon the doctrine of the Cornishman, who once said to me in Cornwall, "What's the use of buying labor-saving machines as long as the mine pays a dividend?"

It is evident, however, that the proprietors of the Union and Keystone mines intend, eventually, to bring science and skilled labor to bear on their poorer ores. The Union Company have begun to smelt, and the Keystone to concentrate, and I will endeavor to give you, in a few words, a description of the works, experiments and results of the operation and their future.

The Keystone have first erected dressing or concentrating works. This is a very wise move in the right direction, and by far more profitable on poor ores than smelting; but there is something wanting yet in those newly-erected works, and that is, in the first place, some other machinery, and in the second, somebody to manage the dressing works, who, at least, know the first rudiments of gravitation. The present old-fashioned jiggers and the stationary round buddle are not what is required, and time will teach them that such works won't pay. No regard is paid to the separation of the ore, nor to the slime dressing; and I should advise them to alter and complete their works as soon as they can see fit to do so, and I am sure it will repay their trouble. I am sure, as soon as they get proper dressing machinery, they will be able to work the very lowest grade of ores.

At the Union, they have erected two small blast furnaces, one of which had been in operation for two days, at the time of my visit, with very cheering prospects for the smeltering. The ore is first roasted in open heaps, and then smelted with charcoal, without the addition of any flux. The matto is sometimes richer and sometimes poorer, and looks, so far, all very satisfactory; but we don't know, as yet, at what sacrifice of copper the slag is formed. It would be very gratifying if the ores of that district could be smelted without the use of any flux; but I doubt whether that can be done. Smelters have provided for a flux a quantity of soda casks, from the acid works, which, in my humble opinion, is the meanest flux they could get, even if they have it for nothing. There is no doubt copper-smelting will pay in California, if carried out by men of experience. Blast furnaces are far preferable to flame or so-called reverberatory furnaces. I saw besides those in Copperopolis several other mines, which have good and paying ore, which won't pay to ship, but which will pay to be worked in this country, not by direct smelting, as they began in the Union, but by first concentrating the ore and then smelting. Here is the point where we need cheap labor, or labor-saving machines, and those of quite a different construction from those employed at Copperopolis, which are but counterparts of those used in the English or Cornish mode of dressing, and which can be employed only in a country like Great Britain, where laboring girls and boys get but twelve or sixteen cents per day. Even in Cornwall they might save 100 per cent. on the labor if they would adopt machinery such as is used in Germany and Australia. But Cornish miners will not adopt anything that is new, especially when it comes from abroad.

A properly constructed set of works for dressing copper ores, supplied with all the modern improvements, where neither much hand-labor is used, nor metal wasted in the refuse, is the only means by which the mines which yield less than 10 per cent. ore can be made profitable to the shareholders.

J. Mosheimer.

MINING IN AUSTRALIA.

It appears from late accounts from Australia that mining interests in that colony have considerably revived of late. A recent prolonged strike among the miners at the Moonta and Wallaroo mines has been amicably adjusted between the strikers and employers, and since work has been commenced in those districts, evidences have accumulated which indicate that the yield of the mines there will soon be fully doubled. Quite a number of individual mines (quartz mines) are enumerated, in which the indications are pronounced encouraging.

Dates from Adelaide state that Mr. Hargreaves, the gold discoverer, has recently returned from his tour of the colony. He has not succeeded in finding a gold-field, although in many localities he has found gold, and in places of limited extent has met with it in paying quantities. He thinks they have in South Australia many fine auriferous quartz reefs, which, if they were in Victoria, would be profitably worked. Mr. Hargreaves found bismuth in many places, and confirms generally the account given in Mr. Anstiu's book on the mines, as to the extreme richness in copper deposits of the country north of Port Augusta, especially in the neighborhood of the Yudanamutana and Daly.

We clip the following items from a correspondence of the London *Mining Journal:*

Copper Smelting.—The representative of a wealthy Glasgow company (Mr. Tregoning) has recently arrived in the colony, with a view of ascertaining what facilities exist for the introduction of Henderson's patent process for the reduction of low-class copper ores. We believe the patent was registered in the colony some time since, and that it has been successfully brought into operation in the mother country, where ores of less than *two per cent.* have been profitably treated. Tens of thousands of tons of that description, and of even a higher percentage, will be readily available in this colony, so that no difficulty on the score of supply need be apprehended by the company. Mr. Tregoning proceeds at once to the Burra and Kapunda mines, in furtherance of the object of his mission, and will, as soon as possible afterwards, visit Wallaroo, Moonta, and the northern districts.

Antimony.—A commencement has been made in the M'Ivor district of smelting antimony under a new process, patented here, by which, so simple is it, two men can turn out about 80 tons of the metal in a week. The ore abounds in the district named, and the process is said to be so economical that the metal can be shipped for England, in large quantities, at a very low rate.

Patent Explosive Compound, or Powder.—A patent explosive compound, or new blasting powder, was practically tested, in the presence of a number of gentlemen, by a series of experiments, at the Glen Osmond Stone Quarries. One difference between the new and ordinary powder is that the new compound, weight for weight with the common powder, will do one-third more work, or, as tested in the quarries, 3 lbs. of the new are equal to 4 lbs. of the common powder. The proprietors are of the opinion that the new compound can be sold at 6½d. in Adelaide.

Yudanamutana Mines.—The Yudanamutana and Blinman mines are still going on well. Ore is being raised about as fast as it can be smelted. Two furnaces are in full work, and two more in course of erection. There are some 4,000 tons of ores of different qualities at grass.

The Gold Fields.—The yields from the older reefs generally is well maintained, if the number of exceptionally large returns is not so great as it used to be. The Pyrenees reefs have not often been distinguished in this way during the last year, but a lot of 11 tons from one of these lately produced 60 ozs. Many of the best claims on the Inglewood reefs have been worked down to the water level, this being the reason why they are now so seldom heard of; and we have often had before to notice the extraordinary delay which takes place in providing machinery under such circumstances. As an addition to the many proofs already afforded that this is not on account of any danger of the yield falling below this line; we may refer to Tarnagulla, not far away, where a late crushing of 200 tons of stone from a claim on Poverty Reef gave an average of nearly 6 ozs. to the ton, this stone having been raised from a depth of 355 ft, and the yield being the largest yet obtained from this claim, though not from the reef, which has so often been specially mentioned for the production of monster cakes of gold. Some of the shafts on this reef are now down more than 400 feet, and so far the stone is found to improve in value as the depth of sinking increases. Some of the claims in the Tarregower district are still yielding largely, and the last rich lode struck in one of these, only at a depth of 120 ft., however, has averaged 6¾ ozs. to the ton. None of the Ballarat companies have declared very large dividends lately, the Koh-i-noor Company having paid the largest—45*l.* per share for one fortnight, and 24*l.* per share for the other; the gold washed out during the first fortnight having, however, been sufficient to have allowed of a dividend of 120*l.* per share, but for the liabilities to be cleared off. The Great Extended paid 18*l.* and 16*l.* per share, and the Cosmopolitan 13*l.* and 10*l.* per share, for the respective periods; and the Nelson Company 33*l.* per share for one fortnight. The Band of Hope Company broke into the gutter in their claim, a few days since, and found it to be so rich that large dividends are looked for, and shares at once jumped up to a high price. The neighborhood of Moliagul has produced the largest nugget found latterly, weighing, when freed from dirt, 126 ozs. 19 dwts., and a couple of weeks before one of 50 ozs. was found near the same place. A nugget weighing 7 lbs. is also said to have been found near Kingower, and another of 60 ozs. at Redwood.

Copper.—Advices from Sydney speak encouragingly of the copper mines in that quarter, also of the quantity and character of the coal obtained for smelting purposes.

Bill for the Survey and Sale of Mineral Lands.

The following Act of Congress, passed during its last session, we deem of sufficient importance to place upon record in our paper, for the information of actual miners:—

A bill for the survey and sale of the mineral lands, and to extend the right of pre-emption thereto.

Be it enacted by the Senate and House of Representatives, of the United States of America in Congress assembled, That the President of the United States shall, as soon as may be after the passage of this act, order a survey of the public lands hitherto designated as "mineral lands," and the Surveyor General of the United States in each State and Territory containing such lands shall proceed to survey or subdivide said mineral lands into townships, sections, quarter sections, sixteenths of sections, and tracts of ten and five acres each, and such lesser fractions of a section as the Secretary of the Interior shall direct. Or whenever, in the opinion of the Secretary of the Interior, a departure from the rectangular mode of surveying and subdividing the public lands would promote the public interest, he may direct such change to be made in the mode of surveying and designating the said lands as he may deem proper with reference to the existence of timber, mountains, mineral deposits, and the advantages of water privileges; and after a plat of said survey and subdivision is returned to the register of the land office in any district where mineral lands are situated, any person or association of persons, having previously occupied and improved a claim or claims, according to the local custom or rules of miners in such district, and in regard to whose possession there is or shall be no controversy or opposing claim, may enter either of said subdivisions, not exceeding —— acres in any single entry, upon the payment to the receiver of the land office of — dollars per acre, and shall be entitled to receive a patent for the same, subject to the approval of the General Land Office; and thereafter mineral lands remaining unsold, and in regard to which there is no controversy or opposing claim, may be in like manner entered by individuals, or association of individuals, who shall prove to the satisfaction of the local land office the facts as aforesaid of actual possession and improvement, according to the local custom or rules of miners: Provided, That the laws and regulations of the General Land Office, now and hereafter in force governing the disposition of public lands, shall be applicable in the disposition of mineral lands, when not inconsistent with the provisions of this act: And provided further, That the mineral lands in the public domain prior to appropriation and sale, both surveyed and unsurveyed, are hereby declared to be free and open to exploration and occupation by all citizens and those who have declared their intention to become citizens, subject to such regulations as may be prescribed by law, and subject also to the local custom or rules of miners in the several mining districts, so far as the same may not be in conflict with the laws of the United States, or such executive regulations as may be made in pursuance thereof.

Sec. 2. And be it further enacted, That wherever, prior to the passage of this act, upon the lands heretofore designated as mineral lands which have been excluded from survey and sale, there have been homesteads made by citizens of the United States, or persons who have declared their intentions to become citizens, which homesteads have been made, improved, and used for agricultural purposes, and upon which there have been no valuable mines of gold, silver, cinnabar, platinum, or copper discovered, or which are properly agricultural lands, the said settlers or owners of such homesteads shall have a right of pre-emption thereto, and shall be entitled to purchase the same at the price of one dollar and twenty-five cents per acre, and in quantity not to exceed one hundred and sixty acres.

Sec. 3. And be it further enacted, That where, by priority of possession, rights to the use of water for mining, agricultural, manufacturing, or other purposes, have vested and accrued, and the same are recognized and acknowledged by the local customs, laws, and decisions of courts, the said possessors and owners of such vested rights shall be maintained and protected in the same; and the right of way for the construction of ditches and canals for the purposes aforesaid are hereby acknowledged and confirmed.

Sec. 4. And be it further enacted, That upon the survey of the lands aforesaid, the Secretary of the Interior may designate and set apart such portions of the said lands as are clearly agricultural lands, which lands shall thereafter be subject to pre-emption and sale as other public lands of the United States, and subject to all the laws and regulations applicable to the same. And the sum of —— dollars, or as much of the same as may be necessary, is hereby appropriated, out of any moneys in the treasury not otherwise appropriated, for the purpose of defraying the expenses incident to this act.

Exciting Scene at a Menagerie.—On Tuesday evening, while Mabie's Menagerie was on exhibition in this city, says the Council Bluff *Bugle* of August 3d, a violent storm sprung up, which blew down the pavilion, which immediately took fire and was nearly all consumed. The accident took place in the midst of the exhibition, and there were from one to two thousand people in the pavilion. It is impossible to describe the confusion which took place. Men, women and children were buried under the canvas; but, fortunately, the centre poles and braces fell with one end upon the cages of the wild beasts, so as to allow a large portion of the audience to escape. The canvas on the north side was lifted up bodily and carried over the heads of the audience into the centre of the ring, while the top canvas, falling upon the kerosene lamps, immediately took fire, and at one time there was great danger of many being consumed by the fast-spreading flames; but, fortunately, all escaped, and not a man, woman or child was seriously hurt. Such confusion was never witnessed in this city. Men calling for their wives and wives for their husbands, mothers for their children and children for their mothers—all was confusion. Just at this time two cages, which had been placed together to form a den of wild beasts, which Prof. Sears enters during the exhibition, became separated, and the back door being open, out leaped a huge lioness; then arose the cry of "a lion out." Then there was confusion, worse confounded, and a stampede took place. The keeper of the lion caught it around the neck, another man belonging to the concern jumped into the cage and threw the leopard (which being in the same cage with the lion was about to escape) down in a corner and held it while the bystanders closed the cage, and all was quiet. "Nobody hurt."

The Contract System.—Mr. Thomas Faull, formerly Superintendent of the New Almaden quicksilver mines, is at present in this Territory examining our mines. He is a miner of thirty years experience, therefore his opinion in regard to the proper mode of working our mines ought to have some weight with our owners and superintendents of mines. From a conversation with him we infer that in his opinion the best way to reconcile owners and workmen here would be to have all kinds of work done by contract. Then there would be no trouble. An industrious man might make two or three dollars per day more than at present, while a lazy miner would soon find his proper level. We imagine the great difficulty in the way of the contract system at present to be in the fact that few of the Superintendents know enough about mining to let contracts. They don't know just how much work a man ought to do in a day. But they soon learn. They might give the miners too good a bargain at first, but in a short time they would strike about the fair thing. No matter how hard a miner may work, or how skillful he may be, he can earn but four dollars per day under the present system; under the contract system his hard labor and skill might bring him six or eight dollars per day. All the leading mines of Europe are worked under the contract system.—*Territorial Enterprise.*

The imports at New York so far, this year are forty million dollars over last year in the same time, and the exports, reckoned in currency, have increased sixteen millions.

Mining Summary.

CALIFORNIA.

The Nevada *Gazette* speaks of another very rich, extensive and well-defined lead of gold-bearing quartz, which was discovered, a few days since, by Messrs. Tayler & Hammond, about a quarter of a mile south of Churronat's mill, on Little Deer creek. The ledge is about two feet wide, and prospects exceedingly well. W. H. Weeks, Esq., is one of the original locators. About a dozen promising ledges have lately been located in the same vicinity.

The editor of the Grass Valley *National* has seen, at Findley's banking house, some quartz specimens taken from a mine at Union Hill, which is owned by H. Burdett and Geo. D. Roberts. He says: "The quartz is literally filled with gold, and the specimens shewn us are equal to any we have ever seen in this section. This quartz was found at a distance of ten feet from the earth's surface, where the ledge is about eighteen inches thick. Messrs. Burdett & Roberts, who undoubtedly have a magnificent mine, are making preparations to work it extensively."

The Marysville *Appeal* says: "Some very rich gold-bearing quartz, was taken out of the claim of the Oregon City Quartz Mining Company, located about seven miles above Oroville, at the head of Oregon Gulch. This claim is owned by a company of Marysvillians, who commenced to erect a mill on the claim in June last—which has been completed—and the company have made a respectable showing for the time they have run it. They cleaned up for four and a-half days' run, last week, the snug little sum of $1,000, which we pronounce good for an eight-stamp mill. The quartz is rich and the gold very fine, being worth $18.35 per ounce. Dr. Teegarden is the Superintendent of the mine, and with his careful and economical management we think it a "good thing," and wish them good luck.

Shasta.—The *Courier* furnishes the following:—The Original Bully Hill Company have got their lower tunnel in 425 feet, and struck a lode of fine looking mineral 250 feet below the surface. They are now five feet into the lode, with most flattering prospects. Other tunnels in this district are progressing, and the success on the Bully Hill has raised high hopes of general good results from their enterprise. Pittsburg stocks are going up. The Highland Quartz Company, of French Gulch, are taking out some splendid rock. This mill is paying largely, and more are wanted in that vicinity to work other lodes of even greater richness.

WASHOE.

The Roxby mine is the north extension of the Justis. The *Enterprise* gives the following particulars with regard to it:—The company now have a tunnel in to the distance of 450 feet. About 220 feet from the mouth of the tunnel they cut through a very promising lead, and on going 50 feet further cut a second and equally fine-looking vein. On both these veins they are now sinking, the shafts being in the tunnel. The ore contains both gold and silver, but not as yet in paying quantities. The rock so closely resembles that taken from the Justis that specimens from the two mines are apt to be confounded by the best judges. As the veins are followed down they greatly increase in width and the ore becomes much purer and richer. The company have been vigorously at work, day and night, for the development of their claim, for over a year, during which time they have expended a large amount of money. They claim five distinct ledges, all being what are called blind.

The Mexican mine has now a main shaft 406 feet deep. The editor of the Virginia *Union* recently visited this mine, and reports as follows:—From the shaft to the ledge, in the lower level, it is 90 feet, and here we find the great Comstock ledge 200 feet in thickness, including a "horse" of 60 feet, which separates the main ledge into what they call the "front" and "back" ledges. The back ledge is the one from which the richest ore has been taken, and at the lowest depth where it is being worked it is less than ten feet in thickness, but yields ore from which the richest portion is selected for shipment to Europe. This ore pays over $2,000 to the ton, and contains some valuable minerals that would be lost by any of the appliances we have at present for the reduction of ores. It is the hard black sulphuret ore and native silver, and wire silver is plainly to be seen among it. The front ledge is softer and more easily worked, and does not pay so well. The "horse" is composed of sound hard quartz, and a little porphyry, and among it some very good ore has been found at this lower level, and in one place a large chamber has been worked out, which paid rich. From the lower level up, the ledge is pretty thoroughly worked, by regular "benches," keeping from 35 to 40 men constantly employed. The rich "pay streaks" have become so reduced in size as almost to have run out altogether, but the pay streak which has been found in the "horse," denotes nothing bad, certainly, but shows that it may be found eventually to be the richest part of the ledge. But the ledge above the lower level being pretty thoroughly worked, it now remains to "go down" for bodies of rich ore. We understand the Ophir Company, which owns the ledge on either side of the Mexican, are about entering into an arrangement with the Mexican Company to join with them in sinking the shaft 400 feet deeper, and afterwards use the same shaft in common.

The Washoe Consolidated Company, are rapidly developing their mine. The company are erecting first class machinery, at an expense of about $50,000.

The Challar is now taking out more really valuable ore than at any time in the history of the mine.

At Silver Mountain, there is at present great activity in mining matters. The Carson City *Post*, of a late date, says:—We visited, on Tuesday last, the arastras now being constructed on Silver creek, a short distance below Silver Mountain, by Henry Van Horn, in connection with Capt. Nye, of San Francisco, who, we believe, owns a half interest. There are two arastras, nine feet in diameter, the bottoms of which are cast-iron, with eight slots in each, two inches in width by three in depth, running from the center to the circumference; the bottoms are elevated about two feet from the ground, supported by substantial brick work, and calculated for a furnace beneath to heat the pulp while being crushed. The motive power is a water wheel 36 feet in diameter, 5 feet breast, with a spur wheel operating a line or shaft. They are calculated to pulverize one ton of rock each in twelve hours. The rock to be worked is from the George Washington, and Mr. Van Horn informed us that, from various assays, he was convinced it would average about $100 per ton. He commenced the wheel six weeks since, and the whole will be completed next week, at a cost of $4,000.

The Ophir Company have received a 350-horse power engine, which will shortly be placed in position upon their mine. There is no larger engine in the Territory.

REESE RIVER.

We clip the following items from the Reese River *Reveille*:—

The White & Hixon claim, on Lander Hill, is now worked at a depth of about 100 feet, where the ledge is found to be well defined. Ore has recently been taken out remarkably rich in ruby and wire silver—so rich that it is supposed it will yield upwards of a thousand dollars to the ton. The claim embraces only 600 feet, and is entirely owned by four persons, one of whom is Mr. Austin, Superintendent of the Pacific Foundry of San Francisco, who has a sample of the rock, which is really well worth seeing.

All the roasting furnaces at the Oregon mill are now running steadily, and are turning out a large amount of very fine crude bullion.

The Whitlach Company shipped on the 17th instant $2,200 and had $5,000 ready for shipment. This company now employ 35 men and furnish almost exclusively several mills with rock. The mills principally employed are the Eureka of Big creek, the Pioneer and Farris. Mrs Bartholomew, the Superintendent, has recently visited San Francisco, perfecting arrangements to advance the working of the mine.

An experimental lot of rock from the Buel North Star mine was worked at the Oregon mill, with very promising results. One thousand eight hundred and fifty pounds were worked, which produced $762.48. The silver was run into a very beautiful bar, 990 fine, and will be sent to New York as a specimen of Reese river production. Accompanying the bar will go the following certificate: "Thereby certify that the above amount ($762.48) was extracted from $1,850 pounds of rock from the North Star mine, and worked by the Oregon M. and M. Co., under my supervision.

"J. Q. C. Vanden Bush."

Caude Bullion.—No less than 4,285 ounces of this raw material was received for assay by three offices in Austin, in one day, last week.

The days continue warm at Austin, although the nights are cold, and ice and frost are plentiful o'mornings.

HUMBOLDT.

We compile the following items from the Humboldt *Register* of the 15th instant:—

The Nevada Company sold the stock of delinquent owners on Thursday. All went even for assessments. This company is working very perseveringly to develop the Peru ledge. The original company has a much more favorable location for working, but is managed, apparently, with a view to "freeze out" the bulk of the owners.

We are told that two mills have reached the river, on their way to their respective destinations in this county. One is the mill we mentioned last week as having been shipped for Echo Canon. The other, we understand, is to be put up somewhere on the other side of the river.

Blake & Co. turned out a brick this week, from Gem bullion, weighing 380 ounces and worth $474.22; almost a dollar and a quarter to the ounce.

The Evening Star in Trinity District, has struck another lode of fine ore—as rich as the old vein from which the men continue taking ore by the ton. The mill is all ready now, except that some stamp heads have failed to arrive from San Francisco.

Some patient fellow, the other day, put 140 pounds of quartz through a hand mortar, and smashed out about nine ounces of gold—worth something over a hundred dollars. The quartz, we are told, was from the Monroe ledge, in Sierra District.

Five thousand sacks for the Humboldt Salt Company were landed in town a few evenings since.

The Ætna mine, Prince Royal District, is turning out some very fine ore.

ESMERALDA.

The Esmeralda *Union* gives the following particulars with reference to operations in the Gov. Stanford Tunnel:—The manner in which this valuable tunnel enterprise is conducted reflects great credit upon the skillful and enterprising superintendent, Mr. A. W. Hale. The tunnel is now in a distance of just 355 feet, and is steadily progressing. We doubt if any other tunnel in Nevada is conducted on a more economical principle or in a more scientific manner. The track from the dump pile to the end of the tunnel is as straight as a sunbeam, perfectly solid, and is so well constructed that a small boy can run a car load of rock from the end of the tunnel to the dump pile with ease. We had the pleasure of examining the works in the tunnel this morning. Getting into the car with Mr. Hale, a run of about 15 feet and a shove from his assistant sent us a distance of 300 feet, at which distance is situated his important and ingeniously arranged air-pump. [Described in another portion of this paper.—Eds. Parss.] The tunnel, we perceived, had lately run through a large strata of partially decomposed quartz. The indications at the end lead to the belief that a lead is not far distant, although, possibly, there is not one within fifty feet of the present terminus. Be this as it may, the Stanford is in a fine location, and not many months will elapse before it shall have pierced, at a great depth, many of the leads whose rich croppings, having by aqueous and other agencies been removed from their native places, cover Silver Hill from top to bottom. It will strike the Winnemucca lead at a depth of 550 feet. When we manifested a desire to return to the mouth of the tunnel, we were invited to take a seat in the car, on doing which, with Mr. Hale, a short run and push sent us with pleasant speed to the dump-pile, about 400 feet.

A gentleman from Bodie informs the *Union*, that arrangements are being made by a New York company to erect two large quartz mills at that place. They are much needed in that rich district.

Boiled Rice.—To many, a good dish of plain boiled rice will appear to be attainable by a knowledge of the simplest rules of the culinary art; but this is a great mistake. Unlike wheat, rice has no gluten, and it cannot, therefore, be made into bread; but it can be, and generally is, made into a soft paste, repulsive to the taste and oppressive to the stomach. When well cooked, each grain of rice should be whole and distinct, but swelled to its full size and easily masticated. There are but few cooks in this section of country who can prepare such a dish, and none of the cook-books we have ever seen will furnish the proper information. The first thing to do is to scald the grain. This must be done before it is washed in cold water. Take the rice and sprinkle it with fine salt, and pour over it boiling water sufficient to immerse it. Let it stand until it can be handled, and then rub it hard, to cleanse it from the scurf and dust. Afterward, rinse it in three or four successive waters, rubbing it vigorously each time; then drop it into boiling water, adding a little more salt, if necessary, and let it boil about twenty minutes. Chinese table-rice may boil a few minutes longer. Take it up in a cullender or tin basin with perforated bottom, which will drain off the water, and set it on the hot range or cooking-stove for a few minutes, to dry out the surplus moisture. It needs no further seasoning; and its beautiful appearance, as it is dished for the table, will justify the process of cooking which we have described.

Toland Medical College.—Dr. Toland, the founder, and first President, delivered the opening lecture of this institution on Monday. It starts under very favorable auspices. The number of students entered, and about to enter is thirty. The building, though still incomplete, presents a beautiful appearance.

New York Correspondence.

TITLES IN AMERICA.

Just now the Ladies appear to be "running to titles" in New York. Their use of titles is often ridiculous. What can be more absurd than to confer upon married women the official titles of their husbands? Why are ladies so estimable as Mrs. McClellan and Mrs. Grant called Mrs. General McClellan and Mrs. General Grant? They are no more entitled to the title of general than Mrs. Lincoln is to that of president or than Mrs. Bates—if there be a Mrs. Bates—to that of attorney-general. How childish it would sound to speak of Mrs. Mastermate Mizzen, or Mrs. Surgeon Scalpel, or Mrs. Sergeant Drill! Yet the titles mentioned are just as applicable to women as that of general. Ere long, perhaps, we shall hear of Mrs. Bessie Boatswain, and Miss Carrie Coxswain; and black-eyed Susan will figure as as Mrs. Foretopman. Titles have a sort of *salique* state here, not going to women. If it were not so, what bevies of honorables we should have in crinolines, what fair mobs of esquires, and what crowds of feminine LL.D.'s and D.D.'s, and, perhaps, of Reverends! Women rule by right divine—a gynæcracy of goddesses—but they rule without titles that are expressed."

LITERARY CHIT-CHAT—THE COPYRIGHT OF IRVING'S EARLIER WORKS.

A sensation of no common order is impending over the book trade, I suppose I violate no confidence in ventiluting in advance what little I know about the coming event whose shadow is already cast before it. An enterprising, and progressive bookseller—who, in this particular instance happens to be wiser than most of the other wise men of Gotham—has discovered that the copyright privileges and immunities of Irving's *Sketch-Book*, *Knickerbocker*, *Bracebridge Hall*, *Conquest of Granada* and *Tales of a Traveller*, have expired by lapse of time, and that, therefore, the monopoly in that particular portion of the Irving literature has come to an end. The facts are these: *Knickerbocker's History of New York* was first published in 1809, the *Sketch-Book* in 1819, *Bracebridge Hall* in 1822, *Tales of a Traveler* in 1824, *Granada* in 1829, *The Alhambra* in 1832. The United States Copyright Law of 1831 gives to an author the exclusive right of publishing for twenty-eight years, and a right of renewal to himself, *wife or children*, for fourteen years more, making forty-two years in all. Under this law it will be seen that four of the books named are really outside the pale of our Copyright law; the other two are, perhaps, open to question on that point. The publisher to whom reference has been made purposes to reprint the original edition of these works (one or two of them being dedicated to Sir Walter Scott) from the copies bearing Lea & Blanchard's imprimateur. It is well known that Irving's contract with this celebrated firm terminated in 1844, and that for five years thereafter, no other publishers dared to undertake a new issue of Irving's works, when George P. Putnam took upon himself the labor *con amore* of introducing anew, and in modern garb, our greatest prose writer to the people of his native land. How well Mr. Putnam has performed his work, let millions of readers attest. It is certainly to be hoped that the somewhat adventurous privateer who now intends to do a little freebooting with Irving's name on his vessel, will succeed in pleasing the public as perfectly as Mr. Putnam has done. Meanwhile the new 'regular' publishers of the Irving books will need to act with reference to the facts I have stated.

The celebrated Mudie's Library of London, has passed out of its originators' hands, and has became the property of a joint stock company, formed of the principal London publishers—led by the famous Murray. Mudie continues as managing director, at a salary of $5,000 a year.

Finger Talking in Factories.—The female operatives in some of the factories in Lowell, being prevented by the noise and clatter of the machinery from indulging in the indespensable amusement of the gentler sex, have restored to a new mode of telegraphing. Fingers have been substituted for tongues, and through the instrumentality of the alphabet of signs, invented for the use of the deaf and dumb, while away their "ten hours" with discussions upon matters and things in general. The new mode has a great advantage over the old, science; the whole party can talk at once without any confusion, a hundred feet being as little interruption to those communications as five. This language of signs is well worth acquiring, as the facilities which it affords are often valuable, especially in the sick room. A distinguished philanthropist of Massachusetts has become so habituated, from the force of circumstances, to the use of this mode of interchanging thought, that its superiority over the oral system is a theme which he never tires of discussing. Upon his showing, the tongue is not only an unruly, but very nearly a useless member.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Oct. 29th, 1864.

The stock market has exhibited a fair degree of activity during the week, and nearly every share on the list has been well maintained. Receipts of bullion from prominent claims continue unabated, and the average yield for the current month will be fully up to that of any former like period. The present condition of a number of these mines is more flattering than for some time past, and it is believed that larger dividends will soon be disbursed to stockholders out of their net earnings. More economy and better judgment has of late marked the management and general policy of leading companies, and dealers in these stocks now feel that their interests are judiciously protected by honest and capable directors.

A number of shares less prominently known to the market, and of more uncertain value, have attracted some attention recently, and were largely dealt in the past week. It is difficult to ascertain the intrinsic value of these claims, many of which are producing fair pay ore; but operators seem confident of their future, and are willing to invest in them at current quotations.

The money market continues to favor borrowers, and a number of loans have been made upon mining stock collaterals, at the usual bank rates. First-class shares are obtaining more favor with capitalists, many of whom discriminate with less severity than formerly the securities offered them.

Legal Tender notes are somewhat inactive, and dull at 49@49½c.

Savage has met with trifling sales, but is firmly held, at rates advancing from $1,800 to $1,900, and closing at $1,950 asked. Receipts of bullion from this mine for the current month will exceed $200,000, and the company have already at their credit in bank a larger sum than will be required to pay their next dividend of $75 per share.

Gould & Curry rose from $1,625 to $1,685, declined to $1,650, and was offered yesterday at $1,650. Small transactions have taken place in this stock. The entire yield of the mine for the month of October will amount to some $230,000, and the regular dividend of $50 per foot will be disbursed to stockholders. We are apprised of no new features in this claim, but late developments are regarded with much favor, and would seem to warrant present quotations.

Chollar has been dealt in to the extent of 39 feet, rising from $1,000 to $1,050, receding to $990, and closing yesterday at $1,030 bid, $1,050 asked. Indications are said to be good in the fifth level of the north mine, and the southwest drift continues to disclose a larger and more valuable body of ore. Preparations have been made to hoist 125 to 150 tons daily, and the yield of bullion is likely to be materially increased.

Potosi is dull, but strongly held. Small sales were made at $850.

Yellow Jacket has been in more request, and 35 feet were sold, declining from $800 to $790, advancing to $875, buyer 30, and closing at $855@860. Reliable Washoe advices speak favorably of this claim.

Hale & Norcross was in decided favor early in the week, and quickly rose from $490 to $600, but receded since to $500, and was sold yesterday at $490. Some 35 feet have changed hands.

Empire Mill & Mining Company was sold at $500 per share. The affairs of this company are now promising. Some 50 tons of ore are being taken daily from the third level at a depth of 450 feet. A dividend of about $25 per share is anticipated for the month of October, and after the payment of this a considerable surplus will be carried to the dividend account for next month.

Ophir rose from $400 to $430, buyer 30, dropped to $400, and closed at $415. Thirty-four feet were dealt in. The company's new mill on the Carson is at present crushing the large amount of low grade ores on hand. The drift from the central shaft is now within 25 feet of the lower gallery in the Ophir mine.

Uncle Sam has declined from $250 to $225, at which rate 19 feet were sold; and Overman also receded from $200 to $150, within which range 41 shares changed hands. We are informed, unofficially, that the stock of the Uncle Sam Company is to be increased to 4,000 shares, 1,600 of which are to accrue to the Overman, 700 to the North American, and 100 shares to other parties, and that this settlement will effectually dispose of all pending litigation.

Imperial fell to $144, the lowest point it has reached for some time, but under the influence of large receipts from the mine has advanced to $153. The yield of bullion for the month will amount to some $70,000, and a dividend of $7.50 will probably be declared.

Burning Moscow still maintains its prominence at the Board and has been largely dealt in. Opening at $69, advancing to $85, receding to $59, rallying to 74, then dropping to $63@57½, seller 45, and selling yesterday afternoon at $62. Within this range 1851 shares were sold. It is stated that at a depth of 140 feet from the surface, and also at a still greater depth of 60 feet, a vein of good pay ore, 7 feet wide, has been developed. A number of mills are to be at once employed. This company are out of debt with money in the treasury.

Sierra Nevada is in more favor, advancing from $42 to $70, receding yesterday to $65. At this range 244 shares were sold. A well defined ledge has been met with and the indications are thought to be favorable.

Bullion has attracted considerable attention and 472 shares have changed hands, advancing from $115 to $161, receding to $125, rallying to $140 and closing at about $130.

Nevada, J. G., is in less request, and has fallen from $41 to $31, seller 30, at which latter rate sales were made yesterday; 184 shares were sold.

Buckeye rose from $6½ to $9 and dropped yesterday to $6 asked; Daney rose from $27½ to $59, but is now lower; Golden Age & Empire advanced to $17½ and sold at the close at $16.

Baltic rose from $28 to 35, declined to $25 and is now offered at $26. North American was sold at $45 and is now inquired for at $50.

Antelope advanced to $75@$80 at which rates 42 shares were sold. This company are now out of debt and own a first class mill capable of crushing 25 tons per day, which cost $150,000. They also have a large quantity of good ore in sight.

Wide West rose to $30 and declined to 27½; Real del Monte was sold at $25 and Lady Bryan at $5½@$6½.

Harmon was dealt at $7½; Sheba at $62@65; Burnside at $2½@$4; Green, (G. H.) at $6 to $8, and Caledonia Tunnel at $3 to $6.

$30,000 San Francisco 7 per cent bonds of 1862 were sold at 71½ "between boards."

The aggregate sales of stocks since Saturday last amount to $391,447.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, October 22.

4 shs Gould & Curry at 1625 per foot, s 30.
4 shs Gould & Curry at 1650 per foot, s 20.
4 shs Gould & Curry at 1640 per foot, s 20.
12 shs Gould & Curry at 1660 per foot.
4 shs Gould & Curry at 1675 per foot.
4 shs Gould & Curry at 1685 per foot.
1 sh Savage at 1850 per foot.
1 sh Savage at 1800 per foot.
2 shs Wide West at 26 per share.
20 shs Burning Moscow at 69 per share.
6 shs Burning Moscow at 70 per share, s 30.
36 shs Burning Moscow at 72 per share.
2 shs Uncle Sam at 250 per share.
10 shs Golden Age at 17 per share.
20 Esmeralda at 500 per share.
12 shs Chollar at 1000 per share.
20 shs Sierra Nevada at 42½ per share.
10 shs Sierra Nevada at 42 per share.
6 shs Hale & Norcross at 490 per foot.
10 shs Imperial at 145 per share.
4 shs Imperial at 144 per share.
2 shs Overman at 200 per foot.
8 shs Overman at 190 per foot.
10 shs Caledonia Tunnel at 3 per share.
40 shs Buckeye at 6½ per share.
10 shs Buckeye at 6¾ per share.
5 shs Yellow Jacket at 800 per foot.
10 shs Justis at 41 per share.
100 shs Green, G. H., at 5¾ per share.
10 shs Green G. H., at 5¾ per share.
30 shs Green, G. H., at 6 per share.

AFTERNOON SESSION.

20 shs Burning Moscow at 70 per share, s 30.
10 shs Burning Moscow at 71 per share, s 30.
10 shs Burning Moscow at 75 per share, b 30.
10 shs Burning Moscow at 74 per share.
2 shs Burning Moscow at 73 per share, b 30.
10 shs Pride of the West at 7½ per share.
2 shs Hale & Norcross at 500 per foot.
1 sh Hale & Norcross at 560 per foot.
10 shs Lady Bryan at 5¾ per share.
12 shs Lady Bryan at 6 per share.
20 shs Lady Bryan at 5½ per share.
5 shs Josephine, at 12½ per share.
4 sh Yellow Jacket at 790 per foot.
5 shs Overman at 195 per share.
10 shs Sierra Nevada at 40 per share.
10 shs Milton at 7 per share.
15 shs Green, G. H., at 6 per share.
60 shs Green, G. H., at 6½ per share.
5 shs Empire Mill & Mining at 500 per share.
30 shs Bullion, G. H., at 115 per share.
10 shs Golden Age & Empire at 17 per share.
25 shs Buckeye at 8½ per share.
10 shs Buckeye at 9 per share.
2 shs Baltic at 25 per share.
10 shs Blue Ledge at 1 per share.
Amount of sales.....$60,388 50

Monday, October 24.

8 shs Chollar 1050 per foot.
8 shs Chollar at 1040 per foot.
4 shs Chollar at 1035 per foot.
4 shs Chollar at 1040 per foot.
10 shs Overman at 190 per foot.
5 shs Overman at 180 per foot.
4 shs Gould & Curry at 1660 per foot.
5 shs Hale & Norcross at 525 per foot, s 60.
3 shs Yellow Jacket at 800 per foot.
110 shs Lady Bryan at 5½ per share.
10 shs Bullion, G. H., at 110 per share.
85 shs Buckeye at 8 per share.
6 shs Burning Moscow at 79 per share.
20 shs Burning Moscow at 85 per share, Oct 31.
45 shs Burning Moscow at 80 per share.
20 shs Burning Moscow at 77½ per share, s 30.
10 shs Burning Moscow at 76 per share, r w.
42 shs Burning Moscow at 76 per share.
15 shs Nevada, J. G. at 40 per share.
5 shs Nevada, J. G., at 40 per share, r w.
10 shs Nevada, J. G. at 38 per share, s 30.
10 shs Wide West at 29¼ per share.
10 shs Wide West at 29 per share.
20 shs Wide West at 28½ per share.
10 shs Wide West at 28½ per share, r w.
10 shs Wide West at 30 per share, b 30.

AFTERNOON SESSION.

60 shs Sheba at 65 per foot.
4 shs Gould & Curry at 1665 per foot.
8 shs Chollar at 1025 per foot.
8 shs Chollar at 1010 per foot.
1 sh Yellow Jacket at 800 per foot.
10 shs Overman at 180 per foot.
1 sh Uncle Sam at 235 per foot.
20 shs Daney at 27½ per foot.
15 shs Baltic at 26 per share.
10 shs Pride of the West at 7¾ per share.
10 shs Pride of the West at 7¾ per share.
10 shs Nevada, J. G., at 40 per share.
11 shs Burning Moscow at 76 per share.
15 shs Burning Moscow at 77 per share.
10 shs Burning Moscow at 78 per share.
30 shs Buckeye at 7¾ per share.
10 shs Lady Bryan at 6 per share.
5 shs Green, G. H., at 7 per share.
8 shs Green, G. H., at 8 per share.
Amount of sales.....$40,252 00

Tuesday, October 25.

5 shs Uncle Sam at 230 per foot.
1 sh Uncle Sam at 225 per foot.
2 shs Potosi at 850 per foot.
2 shs Hale & Norcross at 600 per foot.
4 shs Unio & Norcross at 560 per foot.
8 shs Gould & Curry at 1650 per foot.
4 shs Gould & Curry at 1650 per foot, r w.
12 shs Ophir at 405 per foot.
48 shs Ophir at 410 per foot.
12 shs Ophir at 414 per foot.
60 shs Ophir at 415 per foot.
24 shs Ophir at 415 per foot.
24 shs Ophir at 430 per foot, b 30.
20 shs Chollar at 1010 per foot.
20 shs Real del Monte at 25 per share.
20 shs Nevada, J. G., at 38 per share, s 30.
20 shs Nevada J. G., at 36 per share, s 30.
10 shs Nevada, J. G., at 37 per share, s 30.
10 shs Burning Moscow at 72 per share.
10 shs Burning Moscow at 73¾ per share.
10 shs Burning Moscow at 71 per share, s 30.
40 shs Burning Moscow at 72 per share, s 30.
30 shs Burning Moscow at 74 per share.
10 shs Burning Moscow at 77 per share, b 30.
10 shs Burning Moscow at 76 per share, b 30.
5 shs Burning Moscow at 77 per share, s 30.
10 shs Lady Bryan at 6 per share.
45 shs Lady Bryan at 5¾ per share.
7 shs Caledonia Tunnel at 3½ per share.
10 shs Caledonia Tunnel at 3 per share.
10 shs Golden Age & Empire at 17 per share.
26 shs Baltic at 30 per share.
10 shs Baltic at 27½ per share.
10 shs Baltic at 25 per share.
15 shs Baltic at 26 per share.
70 shs Sierra Nevada at 43 per share.
25 shs Sierra Nevada at 45 per share.
5 shs Sierra Nevada at 50 per share.
20 shs Green, G. H., at 8 per share.
15 shs Bullion, G. H., at 161 per share.

AFTERNOON SESSION.

36 shs Ophir at 410 per foot.
6 shs Sheba at 65 per foot.
4 shs Hale & Norcross 565 per foot.
3 shs Uncle Sam at 230 per share.
25 shs Starlight, Humboldt, at 4 per share.
10 shs Burnside at 2¾ per share.
30 shs Burnside at 2¾ per share.
20 shs Harmon at 7½ per share.
20 shs Burning Moscow at 63½ per share.
10 shs Burning Moscow at 70 per share.
50 shs Burning Moscow at 69 per share.
10shs Burning Moscow at 7[illegible] per share, b 5.
40 shs Burning Moscow at 70 per share, b 10.
20 shs Burning Moscow at 68 per share.
30 shs Burning Moscow at 69 per share, b 10.
50 shs Burning Moscow at 65 per share, s 60.
5 shs Sierra Nevada at 57½ per share.
20 shs Sierra Nevada at 60 per share.
40 shs Bullion, G. H., at 150 per share.
12 shs Bullion at 145 per share.
12 shs Bullion, G. H., at 152 per share, b 30.
10 shs Nevada, J. G. at 38 per share, r w.
10 shs Baltic at 25 per share.
$2,000 California State 7 ₱ cent Bonds at 75½.
Amount of sales.....$75,107 00

Wednesday, October 26.

12 shs Ophir at 400 per foot.
20 sh Chollar at 990 per foot.
12 shs Chollar at 1000 per foot.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct	U. S. Treasury	1864	
Legal Tender Notes	49	50					
California State Bonds, 7s, 1857	75	77	3,620,500			1867	
San Francisco Bonds, 10s, 1851		100	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1865	65	70	329,000	January and July	New York	1875	
San Francisco City and County Bonds, 0s, 1858	61	64	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	71	75	300,000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s	44	50	440,000				
Marysville Bonds, 10s	75	85					
Stockton City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	72	75	2,500	$1,000		2 ₱ ct. ₱ month on capital stock.	Dividend of 3 ₱ ct. paid Oct. 15.
State Telegraph Co	39	45	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	—	80	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	—	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	40	—	3,000	1,000		$425	Assmn't of $25 ₱ sh levied Sept. 1.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co		27	8,000	100		$100	
Omnibus Railroad Co	—	110	10,000	100		41 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100		38 ₱ cent.—$38	
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1¼ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300		$172	$10 per share now due.
Fireman's Fund Insurance Co		108	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	110	115	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		500	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ₱ cen't		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ month on capital stock	39th dividend paid.

20 shs Challar at 1020 per foot, b 30.
4 shs Hale & Norcross at 560 per foot.
2 shs Hale & Norcross at 550 per foot.
4 shs Yellow Jacket at 840 per foot.
100 shs Raney at 29 per foot.
5 shs Real del Monte at 25½ per share.
2 shs Nevada, J. G., at 36 per share, s 30.
10 shs Nevada, J. G., at 38 per share, b 30.
10 shs Nevada, J. G., at 35 per share r w.
20 shs Imperial at 150 per share.
10 shs Baltic at 25 per share.
10 shs Sierra Nevada at 65 per share
5 shs Bullion, G. H., at 140 per share.
10 shs Bullion, G. H., at 132 per share.
15 shs Bullion, G. H., at 130 per share.
2 shs Bullion, G. H., 134 per share.
2 shs Golden Age & Empire at 17½ per share.
65 shs Burning Moscow at 67 per share.
38 shs Burning Moscow at 66 per share, b 10.
20 shs Burning Moscow at 70 per share, b 30.
10 shs Burning Moscow at 66 per share,.
5 shs Lady Bryan at 6⅝ per share.
shs Antelope at 25 per share.
10 shs Antelope at 80 per share.
5 shs Milton at 11 per share.
15 shs Milton at 13 per share.
5 shs Uncle Sam at 230 per foot.

AFTERNOON SESSION.

24 shs Ophir at 400 per foot.
12 shs Ophir at 401 per foot, s 30.
8 shs Gould & Curry at 167½ per foot.
10 shs Burning Moscow at 64 per share.
3 shs Burning Moscow at 62 per share.
20 shs Burning Moscow at 65 per share, b 30.
10 shs Burning Moscow at 60 per share.
15 shs Burning Moscow at 59 per share.

10 shs Burning Moscow at 58¾ per share.
10 shs Burning Moscow at 59 per share, r w.
100 shs Burning Moscow at 60 per share, s 30.
20 shs Burning Moscow at 65 per share, b 30.
10 shs Burning Moscow at 63 per share.
40 shs Burning Moscow at 66 per share, b 10.
24 shs Bullion, G. H., at 115 per share.
38 shs Bullion C. H. at 120 per share.
10 shs Bullion, C. H., at 115 per share, s 30.
10 shs Bullion, G. H., at 120 per share, s 30.
10 shs Sierra Nevada at 70 per share.
5 shs Nevada, J. G., at 35 per share.
10 shs North American at 45 per share.
10 shs Burnside at 3¾ per share.
Amount of sales.....$74,120 00

Thursday, October 27.

$ 5,000 Legal Tender Notes at 49⅞ per cent.
1 shs State Telegraph at 38 per cent.
4 shs Hale & Norcross at 540 per foot.
4 shs Hale & Norcross at 530 per foot.
2 shs Hale & Norcross at 510 per foot.
2 shs Hale & Norcross at 515 per foot.
4 shs Hale & Norcross at 500 per foot.
3 shs Yellow Jacket at 835 per foot.
1 sh Yellow Jacket at 875 per foot, b 30.
4 shs Yellow Jacket at 850 per foot, b 30.
1 sh Savage at 1000 per foot.
2 shs Uncle Sam at 225 per foot.
4 shs Challar at 990.
10 shs White West at 28 per share.
14 shs Bullion, G. H., at 125 per share.
50 shs Bullion, G. H., at 130 per share.
5 shs Bullion, G. H., at 132½ per share.
15 shs Burning Moscow at 60 per share.
10 shs Burning Moscow at 61 per share.
10 shs Burning Moscow at 61 per share, s 5.
5 shs Burning Moscow at 61½ per share.
53 shs Burning Moscow at 62 per share.
10 shs Burning Moscow at 61 per share, s 10.
20 shs Burning Moscow at 65 per share, b 10.
15 shs Burning Moscow at 63 per share.
10 shs Burning Moscow at 55 per share, s 60.
10 shs Baltic at 26 per share.
5 shs Imperial at 151 per share.
50 shs Lady Bryan at 6⅝ per share.
15 shs Antelope at 30½ per share.

AFTERNOON SESSION.

24 shs Ophir at 405 per foot.
1 sh Overman at 170 per foot.
4 shs Potosi at 850 per foot.
3 shs Yellow Jacket at 865 per foot, b 15.
1 sh Yellow Jacket at 850 per foot.
4 shs Gould & Curry at 1650 per foot.
7 shs Antelope at 81 per share.
5 shs Bullion, G. H., at 135 per share, r w.
50 shs Bullion, G. H., at 135 per share.
20 shs Bullion, G. H., at 130 per share, s 5.
15 shs Bullion, G. H., at 130 per share.
100 shs Burning Moscow at 60 per share, 30 ds.
30 shs Burning Moscow at 62½ per share.
14 shs Burning Moscow at 63 per share.
45 shs Burning Moscow at 62 per share.
5 shs Sierra Nevada at 70 per share.
12 shs Burnside at 4 per share.
Amount of sales.....$67,999 50

Friday, October 28.

8 shs Challar at 1000 per foot.
20 shs Challar at 995 per foot.
10 shs Hale & Norcross at 560 per foot.
8 shs Hale & Norcross at 495 per foot.
4 shs Hale & Norcross at 491 per foot.
20 shs Sheba at 62½ per foot.
2 shs Potosi at 850 per foot.
5 Overman at 180 per foot.
267 shs Burning Moscow at 74@63 per share.
65 shs Sierra Nevada at 65 per share.
65 shs Bullion, G. H., at 130@136 per share.
15 shs Bullion, G. H., at 140@142½ per share, b 30.
10 shs Nevada, J. G., at 33⅛@32 per share.
20 shs Nevada J. G., at 32 per share, s 30.
10 shs Golden Age & Empire at 16 per share.

AFTERNOON SESSION.

132 shs Ophir at 410 per foot.
24 shs Ophir at 412 per foot.
48 shs Ophir at 415 per foot.
5 Yellow Jacket at 860 per foot.
1 sh Yellow Jacket at 855 per foot.
18 shs Justis at 31 per share, s 30.
10 shs Antelope at 80 per share.
10 shs Overman at 180 per foot, b 10.
40 shs Burning Moscow at 63 per share.
100 shs Burning Moscow at 62 per share.
25 shs Lady Bryan at 6 per share.
50 shs Buckeye at 6½ per share.
10 shs Buckeye at 6 per share.
20 shs Caledonia Tunnel at 9 per share.
Amount of sales.....$67,580 00

ELECTION OF OFFICERS.

ALAMO DE SAN ANTONIO M. Co.—Meeting, Oct. 11th. Trustees: W. P. C. Stebbins, T. Rutherford, J. A. T. Overend, Henry Smith, David E. Dickerson. President, W. P. C. Stebbins; Secretary and Treasurer, Thomas Rutherford; Superintendent, J. R. Richards.

INDIAN VALLEY G. & S. M. Co.—Meeting, Oct. 18th.—Trustees: G. W. Carter, Wm. H. Blood and John Center. President, Geo. W. Carter; Secretary, John Pollak; Treasurer, Geo. R. Carter.

LADY BELL C. M. Co.—Meeting, Oct. 24th. Trustees: B. H. Freeman, J. McGill, Henry Worst, S. B. Thompson and D. A. McDonald. President, B. H. Freeman; Secretary, John A. Bray; J. McGill.

A COMMUNICATION from Esmeralda will appear next week; also, correspondence from Port Madison.

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month's dividend Per ft.	Recent Assessments Per foot	Total Ass'ts Pd Pr ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ ——	$ 30 00	....	Jan 18, $5; May 31, $5.	$18 75
Baltic	1,500	1	1,800	200 00	22 00	27 00	....	July 23 $6; Oct. 12, $10.	45 00
Bajazet and Golden Era	4,000	1	4,000	100 00	——	23 00	....	July 30, $5, Aug. 4, $5.	38 25
Best & Belcher	224	4	896	500 00	225 00	250 00	....	May 17, $100; Sept 21, $50.	250 00
Burning Moscow	4,100	1	4,100	500 00	65 00	70 00	....	Jan 19, $15; June 24 $5	66 24
Burnside	2,800	1	2,800	500 00	——	5 00	....	Feb 16, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	600 00	650 00	.... $24		
Buckeye	2,000	....	2,800	100 00	5 00	6 00	....	Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	200 00	130 00	135 00	....	Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	——	——	....	July 12, $150 00	
Central	150	12	1,800	500 00	——	——	....	Jan 23, $15.	
Caledonia Tunnel	6,000	1	6,000	100 00	4 00	5 00	....	May 25, $3, July 12, $1½	10 50
Crown Point	308	4	1,672	100 00	600 00	650 00	....	Oct 13, $25.	100 00
Chas. Caney	1,800	1	1,800	30 00	——	15 00	....	Nov 30, $5; Mar 16, $3.	25 00
Challar	1,400	4	5,600	800 00	990 00	1,000 00	....	Jan 25, $90; Apr 15, $50.	350 00
Raney	2,000	4	8,000	60 00	15 00	27 00	....	Jan 26, $12; Sept 15, $10.	68 00
Daseri	2,200	1	2,200	100 00	——	——	....	Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	——	——	....	Mar 10, $2; Oct. 13, $1.	25 00
Empire M. & M. Co.	75	16	1,200	833 00	600 00	.... $50			
Gould & Curry	1,500	4	4,800	500 00	1,615 00	1,650 00	.... $50		
Grass Valley	4,200	1	4,200	500 00	——	50 00	....	Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	485 00	495 00	....	July 18, $50; Sept. 13, $50.	425 00
Imperial	184	....	4,000	500 00	152 00	158 00	.... $7 50	Dec 22, $12 50 per share.	250 00
Iowa	1,200	1	1,200	1,000 00	——	12 00	....	Nov 18, $1; July 10, $6.	27 00
Lady Bryan	6,000	1	6,000	100 00	5 00	6 00	....	May 11, $3; July 19, $3.	18 25
Laberne	1,800	1	1,800	100 00	——	——	....	Nov 27, $3; Feb 16, $5.	36 00
Mount Hope, G. H.	2 000	1	2,000	500 00	——	3 00	....	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	——	18 00	....	Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	33 00	35 00	....	Apr 9, $20; July 26, $12.	32 00
North Potosi	2,000	1	2,000	250 00	——	10 00	....	Aug 6 $12½; Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	50 00	51 00	....	Mar 23, $20. Sept 2 $2.	
North Ophir	1,600	1	1,600	500 00	——	8 00	....	Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	——	——	....	Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	500 00	400 00	420 00	.... $48		
Overman	1 200	1	1,200	500 00	160 00	180 00	....	June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	840 00	850 00	....	Dec 3, $50.	62 00
Parker	600	1	600	500 00	——	30 00	....	Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	7 00	8 00	.... $5	Oct, Nov, Dec 10, $9.	9 00
Savage	800	1	800	2,000 00	——	1,050 00	.... $75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	——	——	....	Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	——	175 00	....	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	52 00	05 00	....	Mar 8, $5; May 16, $10.	96 00
Spanish No. 2	1,000	1	1,000	500 00	——	70 00	....	Mar 26, $5; May 13, $5.	
Uncle Sam	1 200	1	1,200	200 00	200 00	250 00	....	Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	——	——	....	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	——	50 00	....	June 17, $30; Oct 0., $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	840 00	900 00	....	July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	80 00	85 00	....	Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	——	——	....	Sept 18, $6; June 20, $2.	21 50
Esmeralda	1,600	1	1,000	1,000 00	——	8 00	....		12 25
Falls of the Clyde	6,000	1	6,000	100 00	——	——	....	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	10 00	17 00	.... $5		
Nevada	600	2	1,200	250 00	——	——	....	Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	24 00	25 00	....	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	——	7 00	....		8 25
Urni	400	1	400	500 00	——	——	....	Nov 18, $20.	
Utah	1,600	1	1,600	250 00	——	5 00	....	Jan 5, $3; Sept 20, $12½	19 00
Wide West	2,600	1	2,600	500 00	27 00	28 00	....	Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000	....	3,500	600 00	——	——	....	Jan 29, $1; May 11, $1.	
Josephine	0,600	2	4,800	250 00	——	——	....	Oct 19, $3; July 31, 50c.	12 00
San Carlos	....	....	2,500	100 00	——	——	....	Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	——	——	....	Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	20 00	....	....	July 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	62 00	65 00	....	Mar 10, $10; Aug 12, $20	62 35

REESE RIVER DISTRICT.

Amador	1,400	....	....	....	....	——	....	....	May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	——	——	....	....	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	——	——	....	....		
Oregon	800	2	1,600	300 00	20 00	——	....	....		1 00
Union No. 2	1,000	1	1,000	500 00	——	——	....	....	Dec 8, 50c.	2 50
Wallach	600	2	1,200	1,000 00	——	——	....	....	May 11, $10; June 25, $5.	16 00
Willow	2,800	....	1,400	200 00	——	——	....	....	Nov 23, 60c.	
Yankee Blade	1,400	....	1,400	500 00	——	——	....	....		
North Star	1,000	....	1,000	500 00	50 00	——	....	....	Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	....	1,000	500 00	——	——	....	....		1 50
Diana	1,200	....	1,200	500 00	——	——	....	....		1 50
Blue Ledge	1,000	....	1,000	1,200 00	——	——	....	....		2 00
Joe Lane	1,000	....	1,000	500 00	——	——	....	....	Jan 18, 50c.	1 50
Honest Miner	1,400	....	1,400	1,000 00	——	——	....	....	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	....	1,920	500 00	——	40 00	....	....	Aug 27, $3; Jan 23, $3.	47 00
Mina Prieta	2 200	....	2,200	1,000 00	——	——	....	....	Feb 10, $30; Aug 23, $10.	150 00
Sradc Guadelupe	3,000	....	3,000	1,000 00	——	——	....	....		0 00
San Marcial	13 200	....	13,200	100 00	——	25 00	....	....		
San Nicholas	1,200	....	1,200	200 00	——	——	....	....	Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	....	7,800	50 00	——	3 00	....	....	Jan 16, $1½; Oct 5, $1½	
Fellows	2,600	....	2,500	100 00	——	——	....	....		
Molones	3,000	....	3,000	50 00	——	13 00	....	....	May 4, 2½; June 30, $2½	
Napoleon	2,700	....	2,700	600 00	——	80 00	....	....	Feb 15, $10; June 8, $5.	15 00
Triunfo, L. C.	7,860	....	7,866	200 00	——	25 00	....	....	June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	April 10th.	April 20th.	May 2d.	May 10th.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.
Gould & Curry.....per ft.	$4,550	$4,490	$4,100	$3,850	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300
Ophir	1,500	1,500	1,225	1,100	1,200	825	750	725	650	720	675	425	450	500	400	360	350	350
Savage	2,600	....	2,250	2,150	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400
Potosi	1,054	900	850	635	900	850	850	950	1,000	900	1,000	925	875	900	800	800	620	720
Challar	515	400	500	600	650	500	575	515	375	425	300	300	325	475	550	650	600	690
Hale & Norcross	625	....	600	550	525	500	425	350	.75	350	....	210	....	300	425	425	240	350
Sheba	115	110	115	110	100	90	80	50	15	70	50	40	25	20	80	95	75	70
Daney	105	110	100	82	....	60	....	60	....	50	45	30	35	....	35	30	....	21
White West	22	25	25	25	22	20	16	12	10	8	7	20	17	18	20	31	27	35
Burning Moscow	100	103	95	80	65	52	45	40	23	15	13	12	15	18	20	19	27	60
Pride of the West	95	85	78	50	18	8	10	5	6	3	2	....	2	....	2	....	2	8
Bullion	73	70	68	80	70	68	65	70	65	50	50	40	30	....	....	40	40	55
Real del Monte	71	....	68	50	48	40	41	32	23	15	12	11	15	18	14	15	19	35
El Dorado	....	....	....	....	....	....	....	....	....	....	....	5	10	12	15	....	....	....
Overman	300	400	300	250	....	....	200	200	250	200	....	250	225	....	150	175	160	....
Sierra Nevada	75	....	65	60	55	....	....	....	....	20	15	16	15	450	10	22	20	....
Yellow Jacket	....	....	900	800	750	750	950	900	850	700	600	450	400	450	375	400	575	600
White & Murphy	450	450	400	....	....	....	....	....	....	....	300	....	....	....	....	....	....	....
Sides	500	450	350	....	....	....	....	....	....	200	....	....	....	175	....	....	....	....
Uncle Sam	1,000	950	800	700	700	650	700	610	....	400	350	250	190	210	200	200	....	200
Baltic	160	135	115	100	65	75	70	55	45	40	22	15	13	13	16	24	23	22
North American	130	185	165	150	110	122	120	90	65	62	54	30	....	25	25	25	30	25
Baltimore American	42	55	52	50	47	35	....	50	40	42	35	30	32	20	20	15	25	....
Melones	....	40	35	25	15	20	15	....	12	10	12	9	13	17	13	13	....	....
Antelope	150	....	150	....	147	....	125	130	100	65	70	50	....	....	14	12	20	15
Napoleon	80	....	....	80	75	70	80	75	70	65	60	45	....	50	60	....	....	....
Sacramento	50	52	53	50	50	50	45	....	....	....	20	....	....	....	....	....	....	....
Utah	21	23	28	20	....	....	28	26	30	18	15	18	15	....	....	5	....	....
Lady Bryan	57	60	42	39	35	23	32	25	25	10	4	5	4	5	6	7	6	9

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent. on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President.

Prevention of Rust in Iron.

Many a valuable hint is to be obtained from an intelligent practical laboring man, which may lead the philosopher into a train of ideas that may, perhaps, result in discoveries or inventions of great importance. When bricklayers leave off work for a day or two, as from Saturday to Monday, they push their trowel in and out of the moist mortar, so that the bright steel may be smeared all over with a film of it, and find this plan an effectual remedy against rust. In Wren's "Parentalia" there is a passage bearing upon this subject: "In taking out iron cramps and ties from stonework, at least 400 years old, which were so bedded in mortar that all air was perfectly excluded, the iron appeared as fresh as from the forge." Oxygen, which is the main cause of rust, is abundant in the composition of both water and the atmosphere; and that quicklime has an astonishing affinity for it is evinced in the homely practice of preserving polished steel or iron goods, such as fire-irons, fenders, and the fronts of "bright stoves," when not in use, by shaking a little powdered lime on them out of a muslin bag, which is found sufficient to prevent their rusting. Another instance, very different and far more delicate, bearing upon the same principles; the manufacturers of needles, watch-springs, cutlery, etc., generally introduce a small packet of quicklime into the same box or parcel with polished steel goods, as security from rust, before sending it to a distant customer, or stowing it away for future use. These cases are extremely curious, because, as a general rule, bright steel or iron has a most powerful affinity for oxygen; consequently it is very readily acted upon by damp, and is rusted in a short time, either by decomposing the water and obtaining oxygen from that source, or direct from the atmosphere. It is not absolutely essential that the quicklime should be in actual contact with the metal, but if somewhere near, as in the case of the parcel of lime packed up with the needles or watch-springs, the bright metal will remain a long while without the least alteration in its appearance; the lime (which is already an oxyd of calcium) either receiving an additional dose of oxygen or being converted into a carbonate of lime.—*Builder.*

The Moon and the Weather.—Mr. Merriam, lately deceased, who probably watched the weather, and made more close observations with instruments, for over thirty years, than any man living, declares that in all his experience he has never been able to perceive that the moon has the least influence over the weather. And yet, to what multitudes is this rank heresy. How they run to the almanacs to see when the moon is "new," when it "quarters," and when it is "full," and predict changes in the weather at these points. The fact is, the moon is new, or quarters, or is full once a week the year round; and in our variable climate, the weather changes often—about once a week—when it does not remain unaltered for weeks; and so, if a change in the weather takes place anywhere near the change in the moon, she is the author of the change. I have known educated men cling to this notion instilled into their children. I have known men who are careful not to plant—especially beans—in the old of the moon. And I put it to my reader, who, as I have no doubt, is wise and well educated, and free from all superstition, had you not a "leetle" rather see the new moon over the right shoulder than over the left? Don't you always think of it when you see the new moon? Can you tell why? It is one of those old roots which time and Christianity have not yet removed. So many had rather see a crow fly over the right shoulder than the left—a remnant of the old Roman notion of omens. The number and variety of superstitions which still linger and burrow in the world, like the remnant of the old Canaanites whom Israel "could not drive out," is far larger than most suppose. My wonder is, not that there are so many roots of the old tree remaining, but that Christianity has done so much towards removing it.—*Dr. Todd.*

Explosion of Gun-cotton.—Dr. Phipson has addressed the following note to the *Mining Journal*:—"I see in the newspapers that a terrible explosion of gun-cotton, accompanied by loss of life, has lately occurred in the works of Messrs. Printers & Co. It is supposed to have been caused by a spark from some steel machinery. Photographers will remember that a year or so ago the photographic chemist Dornbach lost his life by the explosion of gun-cotton, while packing this substance into a cask by means of a wooden pole. Since this occurrence I have already twice stated that the explosion which killed M. Leon Dornbach was evidently caused by an electric spark. Persons who handle gun-cotton are apt to forget (or, perhaps, are not always aware) that it is one of the most electrical substances, and that friction, far too slight to develop heat enough to inflame it, will develop in gun-cotton so considerable an electric tension that electric sparks may be obtained from it."

Impossibility of Perpetual Motion.

"Father, I have invented a perpetual motion," said a little fellow of eight years. "It is thus: I would make a great wheel, and fix it up like a water wheel; at the top I would hang a big weight, and at the bottom I would hang a number of little weights; then the great weight would turn the wheel half round and sink to the bottom, because it is so heavy, and when the little weights reached the top they would sink down, because they are so many, and thus the wheel would turn round forever." The child's fallacy is a type of all the blunders that are made on this subject. Follow a projector in his description, and if it be not perfectly unintelligible, which it often is, it always proves that he expects to find certain of his movements alternately strong and weak, and not according to the laws of nature, but according to the wants of his mechanism.

If man could produce a machine which would generate the power by which it is worked, he would become a creator. All he has ever done—all, we may safely predict, he will ever do—is to mould existing power so as to make it perform his bidding. He can make the waterfall in the brook spin his cotton, or print his book, by means of machinery; but a mill to pump water enough to keep itself at work he cannot make. Absurd as it may seem, the experiment has been tried; but, in truth, no scheme is too absurd for adoption by the seekers after perpetual motion. A machine, then is a mere conductor of power into a useful channel. The wind grinds the corn—the sails, the shafts, and the stones, are only the means by which the power of the wind can be turned to that particular purpose. So it is the heat thrown out by the burning coal which performs all the multifarous operations of the steam engine, the machinery being only the connecting links between the cause and the effect.

Our Country, Past and Present.—An exchange has been taking a retrospective glance at our country's history, and comparing the past with the present. From this we learn that at the time of the adoption of the Constitution the area of the United States was 826,680 square miles. In 1804 we purchased Louisiana from France. That brought us 899,680 square miles more. By the acquisition of Florida from Spain, California, New Mexico and Arizona from Mexico, and Oregon by original exploration and settlement, we obtained 1,215,907 square miles more. The present area of the United States is 2,936,166 square miles, or one thousand eight hundred and seventy-nine millions one hundred and forty-six thousand six hundred and twenty-five acres. Of this nearly a thousand million acres is yet owned by the Government. In 1770 the population of the United States was but 3,929,000. In 1860 it was 31,445,080. The ratio of increase has been 34 per cent every ten years. At the same rate of increase, by the year 1870 we shall have a population of seventy five millions. The total of foreign emigration since the year 1790 was five millions and a half. And more than half of these came from Great Britain and Ireland. Germany sent a million and a half, and France over two hundred thousand. No other country of ancient or modern times can parallel this exhibit either in the expansion of area or population.

Railroads in the West.—During the past ten years there have been built at the West 3,656 miles of railroad, at a cost of $253,280,464, mostly by eastern or imported capital. The Illinois Central Railroad Company alone brought into Illinois $10,000,000, and built a road which enabled the Federal Government to sell $11,000,000 worth of land, and the Company to sell $20,000,000 more to actual settlers, making over 31,000,000 concentrated in that State by the operations of one company. The chief effect of this has been to swell the aggregate grain receipts at Chicago, during the ten years, to 158,543,544 bushels which, at an average price of 66 cents per bushel (the value for 1860 at Chicago), would be worth $120,000,000, thus exceeding by about $31,000,000 the cost of the railroads, through the agency of which the grain was made available. In 1861, the grain increased to 47,697,509 bushels the Southern routes being closed, and in 1862, the amount was 60,150,390 bushels. These figures but indicate the extent of that prosperity which has developed so rapidly during the ten years in the Northern section of the West.—*Lockport Journal.*

Singular Death.—Recently three persons were prospecting for quartz ledges in Montgomery district, near that locality, when one of the party, Lovern, formerly a hotel keeper of Aurora, strayed away. The other gentlemen getting short of water, went in search of him for a drink from his canteen. After a short search they found him, but he had expired from some unknown cause a few moments previous to the arrival of the gentlemen on the spot. No marks of violence were visible on his person, and it is believed he expired in a fit of apoplexy.—*Ex.*

Railway Progress in India.

The annual report on the railways of India, for 1864, shows that 2,687 miles of railway are already completed in that region, and as many more are in process of construction or authorized by Government. The capital already invested and actually expended up to the present time reaches about $256,000,000. The traffic on the roads already completed is rapidly increasing. The receipts for the year ending June 30, 1862, amounted to $5,144,000. Those for the year ending June 30, 1863, reached the sum of $8,560,000. The net earnings of 1862 were $2,170,000, while those of 1863 were $3,900,000. These figures are only the aggregate results of the working of lines, the most of which are incomplete and broken. The recent rapid increase in construction and receipts of the India railroads is owing, in the main, to the extraordinary attention which is now being given to the production of cotton in that region. A late Liverpool paper gives the following particulars in this respect:—

Almost all the railroads now in course of construction in India either are, or, before they are completed, will be connected with the cotton fields of that country. The Bombay, Baroda and Central India Railway runs from the cotton districts of Guzerat to Bombay, and is completed, except one short break, from Ahmedabad to that port. The distance open is 185½ miles, and for the greater part of that distance the railway passes through the great cotton districts of Guzerat, Baroda, Baroche, Surat and Damun.

The Great Indian Peninsular, which is now completed for a distance of 553 miles from the port of Bombay, runs far into the cotton district of Central India, though it has still to be carried a considerable distance before it reaches the great districts of Gomrawuttee and Nagpoor. It is still further from the cotton district of Saugor and Jubbulpoor, although it is intended that it shall ultimately pass through that district, and unite it with the Ganges and with the East Indian Railway at Allahabad.

The southern branch of the Great Indian Peninsular Railway has also been carried into the cotton district of the South Mahratta country, being completed as far as Sholapoor. It is still, however, a great distance from the Dharwar and the Bellery districts, which are amongst the finest cotton districts of India.

The Madras Railway is completed from sea to sea—that is, from Madras to Beypore. It passes through the middle of the fine cotton-growing district of Coimbatoor, and will have a great effect in stimulating the production of every part of the Mysore district, which is said to be one of the finest in India.

There is not at present any railway through the cotton district of Tinnevelly, at the southern extremity of India, but it is so near to the sea that a line of moderate length would supply all its wants.

The most extensive line of railway at present completed in India is the East India line. It is open for a length of upwards of eleven hundred miles, with only one break, caused by the bridge at the river Juma, a work of great magnitude, which will probably not be finished before the end of next year.

The railroad over the great mountain pass of the Bhore Ghat was opened in April, 1863, and it is expected that the works across the Thull Ghat will be completed by October in the present year.

Smoke and Smokers Diminishing.—The heavy tax imposed on tobacco has seriously interfered with the trade in that article. In New York the number of cigars manufactured daily before the tax was imposed was over a million. Some two thousand journeymen are out of employment, and they will have probably to follow other pursuits. The most remarkable result of the tax is that it has led nearly one half the smokers to abandon the use of cigars, it is estimated that there are five hundred thousand of the former consumers of the "weed" abstaining from it. This fact is solved by the proportionate decreases in the manufacture of cigars.

New Copper Coin.—The new two cent piece is very little larger and thicker than the present one-cent coin; it contains less nickel, and an abundance of copper, with five parts of tin. In size it may be compared to the silver quarter-dollar, and much resembles a gold coin, and is really beautiful. On one side is a wreath of wheat around the exterior of which are the words, "United States of America," and within it "2 Cents." On the other side there is a shield of Liberty, surmounted by a scroll bearing the words, "In God we trust."

Miss. Lora Clark, of Sacramento, received the premium for the best lady rider, at the recent State Fair, in that city.

The "Unwritten Rules" of the Patent Office.

It has been the practice of the Patent Office, for several years past, to issue circulars to inventors, patentees, and others calling for them, which circulars contain forms for presenting applications, and a brief synopsis of the general rules to be observed in transacting business with the Patent Office. The object is very commendable in the intention, but in many respects proves unfortunate. The mere fact of such a publication emanating from the Patent Office leads many inventors very naturally to the conclusion that, armed with the "rules and regulations," they can proceed to the prosecution of their own business without further instruction. As the result, in almost every instance, proves, the inventor is met at the threshold with trouble, disappointment, and mortification; and, finally, after crowding the files of the Patent Office with correspondence and amendments, he proceeds to Washington, and is there referred to a counselor for advice. It is not the intention and it is impossible for the Patent Office to give all the instructions—general and particular—which is necessary for a person to *competently* transact business before it. There is hardly a week passes in which some questions of practice do not arise in the Patent Office, which are settled solely according to the memories of the older examiners; and hence we have in this department a code *unwritten rules*, which relate to precedents established in the decisions of the several examiners, and which are not put down in the "rules and regulations." It is far from our intention to cry down these official pamphlets, for they are very valuable to counselors, so far as the successive changes in the rules adopted, by different Commissioners are concerned; but as a legal guide, giving *all* the necessary instructions, and to inventors doing business with the Patent Office, they are not sufficient, as such knowledge can only be acquired by a legal and scientific education and long years of close application.—*American Artisan.*

The Eye of the Needle.—A recent traveler to the Holy Land informs us that there is at the side of the principal gate of Jerusalem a small one, which, upon occasions of great urgency, was opened for admission of persons after the great gates of the city were closed for the night. This gate from its small size, was called the Eye of the Needle; and to get a *camel* through it at all was no small task—for a loaded camel to pass was an utter impossibility. With the above fact before the mind, one can see that the words of our Saviour, when speaking of the "strait gate" and the "rich man," were more literal than many suppose. And we see how, as the rich man passes into the narrow way, the sides and the low top of the strait gate scrape everything from him in which he had before trusted. No one can take anything but himself through. Far easier is it to strip a camel of its burden than to divest a rich man of his trust in riches.—*Christian Register.*

Manners.—I make it a point of morality never to find fault with another for his manners. They may be awkward or graceful, blunt or polite, polished or rustic. I care not what they are, if the man means well and acts from honest intentions, without eccentricity or affectation. All men have not the advantages of "good society," as it is called, to school themselves in all its fantastic rules and ceremonies, and if there is any standard of manners, it is one founded in reason and good sense, and not upon these artificial regulations. Manners, like conversation, should be extemporaneous, and not studied. I always suspect a man who meets me with the same perpetual smile on his face, the same congeeing of the body, and the same premeditated shake of the hand. Give me the hearty—it may be rough—grip of the hand—the careless nod of recognition, and, when occasion requires, the homely but welcome salutation, "How are you, my old friend?"

A Funny Frenchman.—A Frenchman in London recently conceived an entirely new style of self destruction. He first bought an egg in the market, extracted its contents (by "suction") and filled the shell with gunpowder. Then going into a very crowded thoroughfare he placed the egg in his mouth and touched it off with a match. Instead however of blowing his head to atoms, the powder, when ignited, merely poured forth a stream of fire and smoke from the aperture in the shell, but without doing any harm to the man. The astonishment of the passers by at beholding a human mouth suddenly become the crater of an active volcano, may be imagined.

Salted to Death.—A few days ago says the Napa *Reporter*, a drove of sheep were driven from poor, dry pasturage into a field of A. Y. Easterby's, near Suscol. It is partly tule and the sheep ate ravenously of the salt feed, and being unable to get to fresh water, out of the lot 75 died. They were the property of Nathan Coombs.

Mining and Scientific Press.

W. H. EWER.....SENIOR EDITOR.

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It is Impossible for editors to know all the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventions secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we shall furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Oct. 29, 1864.

THE NEW TRANS-ATLANTIC TELEGRAPH CABLE.

We were much interested on Thursday last by an examination of specimens of the cable selected for the laying of the great submarine telegraph, which, undoubtedly, will shortly place America in instant communication with European nations. These samples are at the office of A. S. Hallidie & Co's Wire Rope Manufactory, 412 Clay street, and consists of two specimens alike in proportion but varying in size. The smallest being designed for the first section of 1260 miles nearest the coast, and the largest for the second section of 2000 miles in the deeper portions of the line. They consist of an apparently pure copper wire, about one-eighth inch in diameter, around which are closely twisted twenty-two strands of steel wire, the size of which may be judged from the number used in forming one-eighth of an inch circle. These strands are enveloped in four layers of compound of getta percha or some insulating compound similar in appearance. These form a diameter of one-half inch. This is further wound with a couple of layers resembling tarred webbing, increasing the diameter of the cable to eleven-sixteenths of an inch. We believe there is still to be another skin, or coating, to be applied as the cable is payed out in laying. The smaller sample has a total diameter of one-half inch only.

The Cable is termed "Allan's Indestructible Deep Sea Cable." In the hands it appears remarkably light, not heavier than a good solid flax cord. The largest size mentioned is credited with conducting power equal to 400 lbs copper; weight per mile, ten cwt.; specific gravity 1.6; breaking weight, 7,500 fathoms. The lesser specimen possesses a conducting power of 260 lbs copper; weight per knot, 8 cwt.; specific gravity and breaking weight estimated same as the first. Depth of both, 2,500 fathoms.

These samples were received by Mr. Hallidie from his brother, by the last express from the East, and are the only specimens which have yet been furnished by the manufacturers, Messrs. Glass, Elliott & Co., of London. The Gutta Percha Company and Glass, Elliott & Co., recently consolidated under the name of "Telegraph Construction and Maintenance Co.;" limited capital £1,000,000. In three days £3,000,000 of capital stock was applied for. The company having taken the Great Eastern for the purpose of laying the cable, she will be detained at Sheerness and take the cable down in lengths from East Greenwich. We regret not having the manufacturers' technical description of this interesting article at hand. Mr. Hallidie has also samples of variously wrought cables, composed of strands of steel and iron wire, some of which are nearly one-half inch in diameter, forming a line for defying strong currents, approximating the size of a man's wrist, strong enough to wrest a good size ship's anchor from its cable, should it attempt any interference with such an intelligence-bearing monster of the deep.

HOME FINANCES.

The money market presents no new feature, if we may except an increasing supply of capital for loan purposes. The older banks still adhere to former rates—1¼ per cent per month—in affording facilities to their regular customers, but accomodations can be obtained at lower rates; and we are apprised of some important transactions at 1½ per cent per month. The foreign banks recently established here are anxious to extend their sphere of operations, and seem determined to compete sharply for business. In the purchase of bullion, for English & Oriental markets, they have certain advantages that our local institutions do not possess; and also in the sale of exchange, they can afford to offer greater inducements to purchasers. The government tax of one fifth of one per cent required upon all bills of exchange, telegraphic transfers, &c., they avoid the payment of, by using the drafts of their agents and principals in British Colombia. This is a desirable arrangement to them, and must have the effect to divert business into new channels. To show the growing importance of the oriental bullion trade, we may remark that nearly one half million dollars in treasure were shipped Thursday, in Koopmanschap & Co's line to China.

The receipts of treasure from the north coast, and mining districts in the interior of this State, and Nevada, amount to $1,000,000 since Saturday last.

The bullion market is quite firm owing to the demand from shippers and the light receipts from the country. Gold bars are commanding about eight hundred and sixty, and as high as eight hundred and seventy has been paid for selected lots. Silver is also in request and may be quoted at from one per cent discount to two and one half per cent premium.

Legal Tender notes are in good supply, but without especial inquiry, at 49@49½. The fluctuations in the gold market at the East unsettles the market here for greenbacks.

The American Artisan and Patent Record.—We have received the first nineteen numbers of this journal, and from a careful perusal of its columns are candid in saying that it is the most valuable exchange upon our list. Its patent office reports are complete, and its leading articles are possessed of an unusual degree of originality and useful character. Messrs. Brown, Coombs & Co., are its publishers, and we wish them success in their important undertaking.

Coming Up.—By reference to our advertising columns it will be seen that our old friend, T. C. Sanborn, long and favorably known in this city as a Stock Broker, has again girded up his loins and entered the ring for a wrestle with Fortune, the fickle goddess. The storms of adversity broke not his spirit, and we hope they may not again upon him *Hail, Nor-cross* his pathway with aught else than sunshine.

Odd Fellows' Journal.—W. W. Broughton, of Santa Cruz, is about to commence the publication of a weekly paper in San Francisco, in favor of the universal brotherhood of the I. O. of O. F. The Santa Cruz *Sentinel* recommends Mr. Broughton as a young man of character, ability and energy.

Rich Copper Ore.—We have received some rich specimens of copper ore from unknown parties. Further description of the rock will be given when we receive the address of the donor. Freight charges one dollar. We shall not hereafter receive or take notice of any unpaid packages sent to our address.

More Machinery for Washoe.—Several of Farrand's Premium (Oscillating) Amalgamators, of large size, were shipped for mills in Washoe last week. Mr Farrand has also left for the Territory to superintend their introduction and first operations.

A Nugget worth $400 was taken from the claims of the Branch Mining company, at Minnesota, Sierra county, on Tuesday, of last week says the *Messenger*.

ABOUT THE OWYHEE COUNTRY.

Mr. W. M Gabb, of the State Geological Survey, has just returned to this city, having spent the summer with the Owyhee Expedition. The party left Fort Klamath about the first of July, crossing southern Oregon and going as far east as the Owyhee or Jordan Creek mines. The country traveled over was mostly desert, interspersed by a few valleys not remarkable for either size or fertility. Of these, the recently famous Surprise Valley is a fair example; a long narrow valley, the greatest depressions of which are filled with intensely alkaline water, a narrow strip on the west side barely habitable, and the rest and by far the largest portion, sage and sand. In the valley are two log houses, the only ones between Fort Klamath and the Owyhee mines. About forty men were said to be living in the valley, when the expedition passed through. The Pueblo mines, lying in Nevada, nearly North of Lassen's Meadows and about 30 miles south of the boundary line, were visited. These mines may probably become valuable in the future for copper. The ore is *Erubescite* and very rich; but the amount of silver and gold is so small that they are practically valueless for the present.

The Owyhee mining region lies in the south west corner of Idaho Territory, in the Owyhee mountains on Jordan Creek, a tributary of the Owyhee River. Here, the veins are in granite, are numerous and well defined though small, rarely over four or five feet thick. The ores are gold quartz and black sulphurets of silver. Four mills have been erected at a considerable expense, but they are all fitted for gold quartz; no preparations having been made for reducing the sulphurets of silver. A considerable amount of money has already been expended in developing some of the claims and a few of them give sufficient promise to warrant further work. In addition to these, there are of course an abundance of "wild cat" claims. Most of the interests in this region are owned either by persons on the spot or in Portland. About 260 veins have been registered by name, among which may be found the Morning Star, Allison, Oro Fino, Lady Candis, War Eagle, Potosi, Whisky, Greed Yankee, Abe Lincoln, Jeff Davis, Manatacette, Home Ticket, Home Stretch, None Such, Rough and Ready, and a hundred other names as fanciful and appropriate. The expedition returned by nearly the same route as it took in going out, except that two "cut-offs" were made, by which Pueblo and Surprise Valley were both avoided and the distance shortened over a hundred miles. The route will undoubtedly be used hereafter, since goods can be taken from San Francisco, via. Crescent City and Jacksonville to the Owyhee and perhaps even to Boise more cheaply and expeditiously than by the round-about route through Portland and Umatilla.

Cinnabar Discovery.—The Humboldt *Times* is informed that a valuable lode of cinnabar has recently been discovered in Klamath county, opposite the mouth of Blue creek, and that nine claims, of 600 feet each, have been located thereon and recorded at Orleans Bar. A test of the ore has resulted so satisfactorily that the discoverers are making preparations to develop it immediately.

Iron Ore.—About seventeen miles from Portland, Oregon, is an iron ore of the variety known as "limonite," said to be suitable for making pig and bar iron, and which produces about sixty per cent. of pure iron. Specimens were exhibited at the late Mechanics' Fair, and others may be seen at the Occidental Hotel. This will doubtless form a valuable deposit at no distant day.

A bar of gold, valued at $10,618.25, is the result of one week's run of the Crescent City Quartz Mill, in Indian Valley, Plumas county. This, it will be recollected, is a regular dividend-paying company. Their last dividend was $50 per share, payable on the 1st of the present month. This company is worthy of a more general notice than it receives, as a productive California mine.

Home-Made Air Pump for Miners.

The Esmeralda *Union* gives the following notice of the operation of an apparently well devised construction for exhausting smoke and foul air from tunnels. We would feel obliged to the inventor, Mr. Hale, if he would furnish us a definite description of the article by which other miners might be able to work.

In the Governor Stanford Tunnel, situated in a chamber made for the purpose, is a very ingenious though simple air-pump, by means of which the foul air in the tunnel is driven out with astonishing rapidity. A large air box is connected with this pump, and at every stroke fifty cubic feet of bad air is driven out of the tunnel. The air duct, through which the foul air is forced out of the tunnel, is shaped like a long, square box, and runs along in the middle of the track, serving a walk for the men. This elongated box is made in the most substantial manner, and is perfectly air-tight. On letting off a blast, instead of waiting an hour or more outside for the smoke to pass out, the men go to the pump, and as the smoke and foul air is driven out in the manner above described, fresh air rushes in. It takes but five minutes to rid the tunnel of smoke and foul air. The simplicity and effectiveness of this valuable contrivance, for which the company is indebted to the superior mechanical skill and inventive powers of Mr. Hale, commend themselves at once to the admiration of the economical miner. The invention sets aside the necessity of expensive air shafts, and creates a new era in tunneling. While in the tunnel the pump was set in motion, and as we placed a candle near the end of the box it went out in an instant, so great was the "suckage." We would advise the miners of the district, especially those engaged in tunneling, to call and examine the invention of Mr. Hale, some time when their presence will not interfere with the miners at work. We presume Mr. Hale would have no objection, at any suitable time, to showing those directly interested, the advantages of his invention.

A terrific thunder-storm prevailed yesterday morning for several hours. The rain fell in torrents, and caused another caving in of the culvert at Reed and Third streets. The lightning was so intensely vivid as to make the gas lights in the streets look like so many dark spots. In the southern section of the city the streets appeared to be filled with balls of fire; the streaks of electricity could be heard on some occasions hissing through the streets. The lightning was incessant, and the thunder shook the earth. During the storm the steeple on the Rev. Mr. Chandler's church, in the northern part of the city, was struck and considerably damaged. The subtle fluid escaped out of the lower story of the steeple, and then, as it seems, passed to the ground without doing further harm. A house located on Athertoe street was struck during the elemental war, but was not much damaged. The severity of the storm was the subject of general conversation yesterday.—*Philadelphia Press, Sept. 12th.*

On The Home Stretch.—The Reese River *Reveille* says: From different sources we learn that the stampede from Idaho has been as great this fall as the immigration to it was in the early part of the summer. John Hill and George Priest, of this city, who went there last spring, returned yesterday, direct from Virginia. Dr. Henry Sill, of Dayton, in this Territory, also came with them. They say that there is one gulch there that is equal if not superior to the best diggings ever discovered in California. The great trouble was there were to many people there, or the diggings were not extensive enough. Thousands were retracing their steps to the States, others going to Oregon, Washington Territory and Salt Lake; in fact any where they could so as to leave Idaho. Nearly all the early located claims of course were doing well, but unless new discoveries are soon made the country will be deg and "played out."

A Wealthy Community.—According to the report of the returns handed to the City Tax Collector of San Francisco, on Monday last, by which he is empowered to collect the taxes, it appears that the total value of real estate in the county subject to taxation amounts to $47,292,903. The value of personal property assessed amounts to $33,433,261, making a total of $80,736,164. There is not a community on the face of the earth, of the same age, that can furnish similar figures of its wealth.

The largest pear, which has been produced in California, the present year, so far as we have learned, weighed three and a quarter pounds. It was brought up from Los Angeles on the *Senator* on her last trip, by Wells, Fargo & Co.'s express agent, and was sent East on the steamer of Saturday last. The drought of the past season has been a great drawback to the production of fruit in this State.

Continued from page 273.

We look upon it as a great improvement on the old style of rope-making machine, and are satisfied that with the same amount of power double the amount of work can be done in a much better manner, while almost any velocity can be attained in this machine with perfect safety, as nothing revolves but the light frame, and this is secured inside a circular disc, between which are pinced anti friction pulleys.

For laying the wire armor of submarine cable it is admirably adapted, the gutta percha core containing the copper conductor being so payed into the center of the surrounding wires as to be free from danger of contact, etc. It fully deserves a Premium.

E. T. Steen, San Francisco.—Reynold's Cut-off for steam engines. Is an Eastern invention; has been in use for a number of years in this State; is a good regulator, and has advantages as a cut-off.

P. Lamb, San Francisco.—Damp Regulator for steam boiler furnaces. Is a very ingenious invention to regulate the draft in the furnace of the boiler. It will save fuel and equalize the steam. Premium.

George Bowers, San Francisco.—Wilson's Tire Upsetter. Works very well.

R. L. Harris, San Francisco.—One model Improved Railway "Turnout," Mass. Is very good, and universally used in San Francisco.

N. B.—This committee recommend the award of a premium to S. Hill, agent, for Florence Sewing Machine, but the Executive Board, under the rule confining the distribution of premiums to home competitors, cannot approve the award, which otherwise would be due.

Class IV.

Hydraulic, Hydrostatic and Pneumatic Engines and Machines, Turbines, Fire Engines, Pumps, Windmills, Etc.

COMMITTEE:

P. Murray, P. Huerne, T. J. Hughes,
Joseph Moore, A. C. Austin, W. T. Garratt.

Report.

Your Committee upon this class would most respectfully submit, that they have attended to the duty assigned to them in examining the different articles entered under Class IV., and offer the following report:—

Hansbrow & Reddiug—Have on exhibition a hydrostatic or water pressure engine, of about 14-horse power. It has a cylinder 7 inches in diameter, with 14-inch stroke. With water at an elevation of 200 feet, it consumes one inch of water (miners' measure) for each horse power.

The principal feature in the invention consists in using water as an expansive agent, which is accomplished by a beautiful and simple mechanical device—viz: the application of air-chambers and compensating air-valves at each end of the cylinder, imparting an elasticity to the water by that means, and giving it a similar action to steam in the steam engine. The compressed air also causes the discharge of the water at stated intervals after it has done its work. This arrangement allows a much higher speed of piston than has before been obtained in engines of this kind.

After a thorough investigation of the principles of this engine, we find that as an economizer in the use of water, it surpasses any known water-wheel, either turbine or rotary; and we would recommend it in preference to any other water motor, where clean water at a high elevation can be had. Premium.

Thos. Hansbrow—Has a number of sizes and styles of his celebrated "Challenge Pump," which is so well known that this committee can add nothing to its laurels.

In the same case with the working model of the "Challenge Pump" is the bronze medal premium, awarded to it, over all other competitors, at the great Worlds' Fair, London, 1860. It has also taken the premium at all the fairs held in this State. It has one other merit to us, at least—that it is a California invention.

Mr. Hansbrow has also on exhibition a mining pump, the peculiar construction of which renders it better for the purpose intended than any other pump now in use, and which we would strongly recommend. Premium.

Capt. C. H. Harrison—Has on exhibition several of his Eccentric Pumps, capable of discharging from 100 to 2,500 gallons of water per minute.

The principal advantages are, that it is light and compact, very durable, and not liable to choke or get out of order. It has no valves and no packing. It can be run fast or slow; the faster it is run the more water it will discharge. The durability of this pump has been well tested, and for wrecking, or engineering, or any kind of heavy pumping, is considered superior to any other.

Mr. Harrison also exhibits one of Andrews' Centrifugal Pumps and engine (for wrecking purposes), which, with his other pumps, enables him to discharge a very large quantity of water in a very short time, from ships or places where required. Premium.

David Stoddart—Has on exhibition a steam pump possessing some very novel features, of his own invention. It bears a remote resemblance to the "Worthington," being direct-acting, without crank-shaft or fly-wheel, the valve arrangement being controlled by a tappet arm. It is, however, entirely new in its mode of changing the steam valve, which is accomplished by the simple use of only four internal moving parts, and these seem to be beyond the possibility of derangement, and might endure for an indefinite period, never requiring any adjustment after leaving the manufacturer's hands. The strength, simplicity and excellence of workmanship exhibited in this steam pump were fully tested by your committee, and we take occasion here to express the great satisfaction we found in witnessing its smooth and regular motion, against varying pressures, up to 250 lbs. to the square inch.

We found that it has no "centres," as engineers term it; but so sure is the valve gear in its action, that it can be run as slow as one stroke in five minutes without stopping—in fact, it has no starting gear at all; the only operation required in starting it is simply to open the throttle valve. We are informed that this style of pump has been in constant use during one year past, for draining a mine at Mt. Diablo, forcing to a vertical elevation of 255 feet; and the pump on exhibition is to be applied immediately to the same purpose in another mine.

In conclusion, we may say that this steam pump is, in our estimation, superior to any of the same description that has ever before been in common use. Premium.

Gifford's Injector—Manufactured in Philadelphia, Pa. and exhibited by David Stoddart, agent. The assortment of sizes presented, from No. 2 to No. 8, and also the Injector supplying the working boiler at the Pavilion, illustrate the invention thoroughly. This is comparatively a recent improvement in the means of supplying boilers with water, and is certainly the most original invention connected with steam machinery which has been made public since the days of James Watt. It was produced by M. Henry Giffard, of Paris. It is now extensively used in Europe and America. Wm. Sellers & Co., of Philadelphia, are the sole manufacturers and licensees for the United States.

The samples on exhibition—not got up for show, but furnished from the ordinary stock of the agent—are of superior workmanship and elegant finish.

We have no hesitation in recommending this as a valuable improvement, and destined to be universally employed for its intended purposes.

High Pressure Water Wheel—Entered by Wheeler & McAuley—shows considerable ingenuity in its arrangements. The inventors claim for this a higher percentage of power from the water than can be had from any other wheel known, with the advantage of working any head or quantity of water with the same diameter of wheel—a result not usually obtained. They also claim the balancing of the pressure on the wheel and buckets, or valves, so perfectly, that the friction is reduced to a very small percentage.

If the rubbing surfaces of this wheel do not suffer from the grit or sand in the water, we consider it a very perfect wheel.

High Pressure Water Wheel—Entered by Mr. B. Faucbery, is a very neat, compact, and durable Turbine Wheel, and from the manner of balancing one wheel by the other, and the arrangements for setting up the faces as they wear, it looks as if it might be a serviceable wheel. The inventor does not claim for it as high a percentage as is claimed for some other wheels on exhibition, but claims that, for steady and continued work and ease of management it will, in the long run, give better satisfaction than if it was working closer and more liable to wear. Premium.

Tyler's Water Wheel—Eastern invention, and manufactured by Smith & Hausoom, of the "Golden State Foundry." He claims simplicity of construction; that it is not liable to get out of repair, is adapted for high heads as well as low; cheapness with which it can be set up and put to running; not being liable to obstruction, muddy or dirty water can be used as well as clean. It has been in use in a number of places in the State.

Featheriug Paddle Wheel—Entered by Felix Barbairos, of Benicia—is a new method of adjusting the paddles of a steamboat wheel, whereby the dip of the wheel may be varied to suit the draught of the boat, and also enables the engineer to enter the paddles at any desired angle.

There is considerable room for improvement in the steamboat wheels of the present day, and the featheriag paddle has been tried to overcome some of the difficulties, but we believe it is the first time any plan so simple as this has been tried to alter the dip of the wheel. The gain in speed, by the use of the feathering paddles, has been fully proved; but hitherto, the first cost, and the expensive repairs to follow, has been the great obstacle to their adoption for general use. Premium.

A. W. Stratton exhibits his Hydraulic Press Pumps of three cylinders. This is one that he uses for raising brick buildings. It was attached to a press to show how its enormous power could be applied for pressing hay, tobacco, cotton, or any other use where great power is required.

E. A. Atwood has on exhibition one of his self-regulating Windmills, running one of M. D. Lasswell's pumps. This windmill is claimed to be the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. It is very durable, and easily kept in order. It is the only working or full sized mill on exhibition. Premium.

E. Mandeville—California made Blacksmith's Bellows (40-inch). For workmanship this bellows cannot be surpassed by any imported. One of its advantages consists in having the iron pin or bearing go clear through the bellows, thereby avoiding the liability of its getting loose and the bellows leaking, and making it much more durable than the imported ones. Premium.

B. A. Henricksen has on exhibition several of his Patent Ventilator Chimney Tops. These are claimed to be better than any other kind of ventilators or chimney tops now in use. One of them is in use on the smoke stack at the "Fair," and is spoken of in the highest terms by those who are using it, as they say it would be impossible to keep up steam in the boiler without this top on the chimney. It is also used on steamboats and mills in this city, and is in every case highly recommended.

M. D. Lasswell has a cast iron, single acting, double discharge windmill pump, which is very durable, and easily kept in order.

A. J. Smith has one of Hudson's Brass and Copper Pumps. It is similar to the Lasswell pump, and is a very good one for domestic use.

Johnston & Reay have on exhibition several pumps well adapted for domestic use.

Chas. Elliott has a working model Water Engine. This was attached to the water pipes, and run a small amalgamator.

Mrs. Dyer has one of Smith's model Water Wheels, New York make.

A. Lind has a model of a high-pressure Water Wheel.

E. F. Hough (of Martinez) has a model of a self-regulating Windmill.

S. F. Blasdell has on exhibition one of Roper's Caloric Engines. This engine is running a printing press and rotary pump, and at times a quartz mill and a circular saw. We find for simplicity of construction, economy of fuel, regularity of motion and durability, it is well adapted to run all kinds of light machinery, or for pumping.

Mr. Blasdell also has several of Stannard's Rotary Pumps, both hand and steam, which are worthy of notice.

A. H. Titcomb has on exhibition a steam Fire Engine and Hose Carriage, of Button & Blake's make. The first of these is singular in its construction. It is so arranged that while at work at its greatest speed it remains perfectly still—not jumping all over the ground, as some others do. This is produced by being power balanced by the piston in cylinder and piston plunger in the pump traveling toward each other at the same time and from each other in the same way, making the pressure equal at both ends, and steadying the machine.

Mechanics' Fair Reports.

By authority of the Executive Committee for the management of the Fourth Industrial Exhibition of the Mechanics' Institute, we shall continue, under this heading, until completed, the publication of the Reports and Awards of the Examining Committees in the various departments of the Exhibition, as revised by the Managers to accord with the rules governing the distribution of awards. Where the reports have not been made in form prepared for publication, abstracts or digests only will be given.

The Managers desire it stated that, while articles originating and manufactured abroad contributed in a degree to the variety and interest of the exhibition, which in return afforded their merits opportunities of becoming widely known, to the advantage of those showing them, the enterprise was intended to be an exposition of the material and industrial resources of this State, and the adjacent Territories, to which the honorary awards must be limited. Believing, too, that the distribution of premiums of several grades among competitors has a greater tendency to produce jealousy and dissatisfaction than to encourage enterprise and efforts for excellence, the Executive Board has determined to allow no second, third, or other inferior grade of Premiums.

From "Pundit."

Editors Press:—The words "reducing agents" at the close of the sixth paragraph in my communication in last week's Press, should have read "reacting agents."

Of course, great dilution with cold water is sufficient to deposit chloride of silver from a hot saline solution, but its introduction and agency is irreconcilable with the conditions of the suggested boiling paraphernalia.

In stating that no geologist will assign a hot water origin to the saliferous gypsum beds I did not intend to exclude the possible operation of the same agents to which I had just referred—hot springs. The sentence, which would have read more clearly with such a qualifying clause, was aimed at any boiling down of an extended body of saline fluid. Neither is the intention of the preceding sentences to convey the idea that *invisible* beds of rock salt may not exist in the deeper rocky strata of the earth, I have deemed these explanations necessary while correcting the misprint first mentioned, because in attempting to be brief it is apparent that I left the said ideas liable to misconstruction. Pundit.

From the Blue Ledge.—A bar of gold has been received in this city, the past week, from the Blue Ledge, El Dorado, valued at $1,900—the result of a crushing of forty tons of rock—about $48 per ton. This is much above the average yield, as most of the gold was derived from a pocket, the rock from which was thrown into this crushing. We understand the works of the company are now closed, under an attachment for debt.

New York Correspondent.—We have received a very valuable article on "Our Iron-clad Navy," from a new contributor, in N. Y., whom we have no hesitation in assuring our readers will prove a valuable acquisition to our corps of scientific writers.

By a singular coincidence the committee's report credited some fine samples of crystal salt, on exhibition at the Fair, to "W. B. Winegar & Son," instead of A. B. Winegar, who is the only salt dealer in San Francisco of that name.

A new City Library Association has been organized at Carson City, N. T., Rev. Mr. Reilley, librarian.

EASTERN FINANCES AND TRADE.

The arrival of the steamer Golden City, places us in possession of Eastern mail advices to the third inst. At that date money was in good demand owing to a short supply of currency which had been absorbed by the late Government loan. This will, however, soon flow back again into previous channels of circulation. A good deal of money had been sent into the interior to move the crops, but this will also return to the seaboard in the regular course of exchange. The Secretary of the Treasury was not contracting the currency, but on the contrary, it was thought that a further issue of legal tenders would soon be made.

The rapid decline in gold had unsettled the value of all stocks and bonds, as well as the merchandise markets. Trade in some commodities had been paralyzed from this cause, and all dealers were awaiting further developments. Government securities had stood the test of the excitement much better than anything else, and ever in good request at enhanced rates. Sherman's series of brilliant successes, and their bearing on the issue of the impending struggle in Virginia, as well as in finance, trade and the temper and tone of the public seem to be the main topics of discussion in the eastern journals. The excitement of a Presidential election was increasing to the exclusion of all other interests.

Superiority of California Salt.—We have samples of fine table salt in our office, manufactured by Mr. A. B. Winegar, of 322 Front Street, which, for fineness, dryness and purity, we are justified in saying cannot be excelled by that produced in any other portion of the globe. California certainly has a superiority over all other climates for manufacturing salt by solar evaporations, and Mr. Winegar is properly improving his years of California experience in this important branch. To many, the salt trade would seem one of comparatively limited importance, but upon this coast, where immense quantities are consumed in the reduction of mineral ores, it is rapidly assuming prominence among our most excellent articles of natural home products. In many instances the treatment of ores by peculiar processes, requires the very first article of salt to be had in the market, and Mr. Winegar fills large orders with the best of table salt, for this purpose.

Important Discovery of Fossils.—Within the past two months some very interesting Fossils have been discovered embedded in the soil near the newly discovered oil springs a few miles east of San Louis Obispo, Tulare county. These interesting fossils include teeth of the ox, bear, elephant, and several other animals petrified, and impregnated with coal oil, with which the ground is saturated for a considerable distance around. Professor Blake has given this important discovery much attention, and has prepared a discourse on the subject which he intends to read before the California Academy of horticultural sciences at its next meeting—which we shall probably publish in the Scientific Press.

Personal.—Professor Brewer, who has been connected with the State Geological Survey upon this coast for the past four years, will leave for the East, via overland route, early the coming week. The Professor goes East to take a chair made vacant for him in the time honored halls of Yale. While we shall miss his genial smile, we here congratulate the Faculty at Yale upon the acquisition to their number of one who combines with a fund of scientific attainments a congenial spirit. We wish him God speed.

Accountant.—We publish, in to-days, issue the card of Mr. N. Lombard Ingols, whose long experience in the adjustment of complicated, and in the settlement of disputed accounts, and in other duties appertaining to his profession, is a guarantee of satisfaction to those who may require his services. His "accounts," like his countenance, are always full and agreeable.

THE NEW AND CELEBRATED FLORENCE SEWING MACHINE.

The above engraving is a fine illustration of one of the most magnificent and attractive specimens of mechanism at the late Industrial Fair—the Florence Sewing Machine.

A better illustration of the importance and truthful benefits arising from such grand exhibitions as the recent one of the Mechanics' Institute cannot be had than the case of the Florence Sewing Machine. Really one of the best inventions of the last decade, it could not do otherwise than steadily gain advancing favor from the time of its first introduction here, some two years ago; since which period it has acquired a permaneut and invulnerable reputation. But previous to the recent Fair its excellent reputation was more or less limited to those who had been taught its merits by personal observation, or had casually learned its value from the high recommeudations of those who had experienced its superior benefits. It is different now. The reputation of the machine, by being brought forth by its honorable and faithful agent, Mr. Samuel Hill, to compete with numerous and hitherto eager cotemporaries, at the Mechanics' Fair, has become, as it were, public property; and when the truth finally became noised abont that the formerly leading sewing machines had withdrawu their patronage from the exhibition of the Institute, (which always treated them with fairness and liberality,) because a *new* and formidable competitor had taken the field, people began earnestly to examine and inqnire into the peculiar merits of the Florence, and the universal conclusion is that its superior does not exist—that it is worthy of all that is claimed for it—that it justly received the highest award granted by the managers of the exhibition! This Fair has brought out, and will extend throughout the State, the genuine merits of the Florence Sewing Machine, and its benefits are already apparent in the immense sales which have been made since the opening of the exhibition. In these remarks we are but reiterating the expressions of scores of our best citizens, whose names appeared in the advertisement of this machine in a previous issue. We will, therefore, leave this theme of our subject, and to gratify the interest which has been awakened in the minds of many in regard to this important invention, give some information regarding its origin and manufacture.

Of all the monumeuts of American inventive genius, and their name is "Legion," none have effected such important changes in

Continued on page 288.

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Personal.

THE JOHN McCOMB OF THE "ARGUS" NEWSPAPER, is not the undersigned, who has no taste for publishing that kind of a sheet. During my fifteen years residence in California I have always been identified with the the Printing business, and many of my friends have made the natural mistake which I find necessary thus to correct.
JOHN McCOMB,
16-3t* Foreman "Alta California" Office.

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

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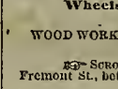
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THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Metallurgy.

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Industry and Idleness.

Mankind are generally supposed to be divided into two races—those who have too much, and those who have too little to do. But when you look deeper into the matter, those who are the busiest are always found capable of doing a little more, and they are the very persons to go to if you want anything done which may require labor, effort, and self-sacrifice. Adam Clarke says the proverb. "too many irons in the fire," is a falsehood, and that you should keep every one of them hot—tongs, poker, and all. As to those who seem to have but little to do, that little is usually a mighty work to them. There is not, perhaps, a man of whom it may be more truly said that he has his hands full, than one of those envied persons who have nothing to do—one who can live without toil, and who has not character, or virtue enough to engage in the seriousresponsibilities of life. To such a one the merest trifle is a bugbear of vast dimensions—to him a molehill is a mountain. You often see such an imbecile grumbling at the pettiest obstacles; while another is seen toiling with vigor, alacrity, and success. In deciding which of these two men has the hardest lot in life, we should reverse the common opinion, and consider the men of nothing to do as those who are overburthened with care. Dr. Canning wisely said, "Do anything harmless rather than give yourself up to thinking. I can speak on this point from experience," he continues. "At one period of my life I was a dreamer—a castle dreamer. Visions of the past and future took the place of present duty and activity. I spent hours in reverie. I supposed I was seduced by physical debility. I found, too, that the imagination threatened to inflame the passions, and that if I meant to be virtuous I must dismiss my musings. The conflict was a hard one. I resolved, prayed, resisted, sought refuge in occupation, and at length triumphed. I beg you to avail yourself of my experience." After this sound advice, we may give one comparison, which is, the miser procrastinates, and the spendthrift anticipates; the former perpetually experiences want, and the latter absolutely prehases it. The one is ever a day before happiness, and the other a day after it. Idleness is the parent of vice and misery. Never be idle, for you can always find something useful to do; and remember that a small beginning with industry and care, will make an estate; whereas the sluggard, who will not plough by reason of the clod, shall in harvest time have nothing. What if you fail in business? You will have life, health, and hope. Don't sit down and cry about mishaps, for that will never get you out of debt, nor buy your children frocks. Go to work at something; eat sparingly, dress moderately, drink nothing exciting, and, above all, keep a cheerful heart. When you are at the anvil, have patience; but when you are at the hammer, hit well. "The way of the slothfull man is as a hedge of thorns."

GENERAL SCOTT'S MOTHER.—In the opening paragraph of his autobiography, General, Scott pays the following beautiful tribute to his mother: In my sixth year I lost my father, a gallant Lieutenant, captain in the revolutionary army, and a successful farmer. Happily my dear mother was spared to me eleven years longer, and if, in my now protracted career, I have acheived anything worthy of being written, anything that my countrymen are likely to honor in the next century, it is from the lessons of that admirable parent that I derived the inspiration."

THE brother of Beethoven signed his name to distinguish himself from his poorer brother, "——von Beethoven, land owner." The immortal composer retorted by signing his "Ludwig von Becthovon, brain owner."

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No. 408 Pine street, near Montgomery. 17

Chinese Views of Death.

There is nothing in the Chinese character more striking than the philosophic resignation with which they undergo changes, or suffer afflictions. There is so much elasticity in their disposition that the most distressing (to us) changes in their condition produces but little effect. A Coolie can admirably ape the dignity of the mandarin when promoted, and a disgraced official, or ruined merchant, who had formerly lived in luxury, appears little to regret the change he has undergone. There is no fear of death among them, hence they are happy, though they have a character for cowardice. It is true they have the relics of the dead constantly before their eyes. The country is covered with graves, and in many places near and about Shanghai the coffins (which are beautifully made) are openly exposed in the fields. They are provided by every man on the day he becomes a house-keeper, and set up in the house where he worships his ancestors. This usage prevails among all classes, from the highest to the lowest, the Emperor setting the example. When a member of the family dies, the dead body is placed in the coffin, and kept until a propitious day arrives for the burial (which they seek by astrology). Months, in some instances, pass by before the coffin, with its contents, are removed. When the coffin is decayed the bones and ashes are carefully gathered, and, in a country walk, one may often see jars containing "potted ancestors." Money is saved for a second coffin, which, if not immediately expended for the purchase of that essential article, is not applied to any other purpose. The first time we saw a coffin in China was in a cottage near Shanghai. There it stood in the corner, covered with dust and cobwebs. We asked a lad why it was there; he quietly pointed his thumb over his shoulder to his grandmother, who was standing close by, and said it was for her. She was very old, and had nearly worn out her coffin before she was ready to get into it. At funerals females are hired to do the "inconsolable grief," as they were formerly in Ireland. It seems very ridiculous that such a custom should be kept up in a country where the people are so well educated and refined, and when it is known by every one that the mourners "howl for hire." They certainly earn their money, and their piteous moans would be heartrending if they were real.—*Notes of a Traveler.*

Coffee as the French Prepare It.—In Paris, the coffee is nectar compared with the beverage we in common call coffee. I was desirous to know how it was prepared, and soon learned. The French use three kinds of coffee, Mocha, Java, and Rio, mixed in equal parts. The coffee before roasting is winnowed, to cleanse it of dust, etc.; it is then culled or picked over; every black or defective kernel is picked out, as well as small stones, seeds and rat droppings, which are abundant in most coffee. It is then put into clean water and well washed, then spread to dry; when dry it is ready for roasting. The coffee required is roasted daily at large establishments; while warm it is ground, and put up in glazed papers of a conical shape, holding from two ounces to half a pound, and sealed up. Gentlemen, as they leave their places of business for home and dinner, when convenient, call and take the needed supply. The coffee is put into a pot or digestor in cold water, and then set over a lamp expressly for the purpose, and there heated, not boiled but steeped; from this digestor no steam or fumes arise; when ready you have your cup of coffee. It is coffee, and a beverage delicious, health-giving—not the bitter, acrid, filthy, nauseous drug we are in the habit of partaking, and calling it coffee.

According to the London spectator, which devotes an elaborate article to the subject, the available fighting strength of England is small. Nominally, there are 84,000 regular troops, 102,000 militia, and 160,000 volunteers but really not more than 50,000 are available for foreign service, and of these but 20,000 would be troops of the line.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

MINING LAWS AND FORMS.
Third Edition revised and enlarged.
Compiled by H. B. CONGDON.
THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.
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10

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Miscellaneous.

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BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.
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PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
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—IN THE—
Photographic Art.
Jacob Shew's
CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.
[PATENT APPLIED FOR.]
THE UNDERSIGNED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a
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In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.
☞ The public are invited to examine specimens at my Gallery. ☜ JACOB SHEW.
6-tf 315 Montgomery street, near Pine.

SQUARZA'S PUNCH.
FIRST PREMIUM
AT THE SACRAMENTO AGRICULTURAL STATE FAIR FOR THE YEAR 1862.
ALSO, FIRST PREMIUM
At the San Francisco Bay District Agricultural Fair, 1862.
MANUFACTORY, WHOLESALE AND RETAIL,
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j2-tf San Francisco.

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

THE PACIFIC IRON WORKS,
First & Fremont Sts., between Mission & Howard, San Francisco.
The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated
Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c. Orders respectfully solicited.
GODDARD & COMPANY.

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[ESTABLISHED 1850.]
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IRON FOUNDERS, STEAM BOILER MAKERS AND
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Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Haugers, etc., in Great Variety.
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A Published list of the Patterns of these Works will be sent on application.
MANUFACTURERS OF
JONVAL'S TURBINE WATER WHEELS,
The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

D. B. HINCKLEY, WM. E. WORTH. WM. A. FIELD
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THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
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J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.
EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the Best and Most Economical, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:
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Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. BOWLAND, ANGEL & KING.

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STEAM ENGINE, FLOUR & SAW MILL,
And Quartz Machinery, Printing Presses,
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MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
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N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
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CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also Brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

OFFICE REMOVAL.—By reference to the card of W. O. ANDREWS, ESQ., it will be observed that he has removed his notarial office two doors, but still remains in Montgomery Block. Mr. Andrews is one of the most careful and reliable gentlemen with whom we have ever had the pleasure of transacting business.

ABSENT.—Our senior editor is on a visit to his former place of residence, Grass Valley, which will account for any irregularities in this No. of the PRESS. A word from the mines located in that section may be expected next week.

ANOTHER SERIOUS EXPLOSION.—The boiler of the steamer Sophie McLane burst while she was lying at the wharf at Suisun, on Wednesday. Some six or eight employees of the C. S. N. Co., including the captain of the boat, were killed, and others badly injured.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with a general report of the Executive Committee, will appear in due time.

N. LOMBARD INGOLS,

Accountant and General Factor,

310 & 706 Montgomery Street, and

Room No. 24 Government House,

Corner Washington and Sansome Streets, San Francisco.

Address Box 2128, Post Office, San Francisco. 18v9

Rose Matilda Mining Company,
Charter Oak Mining Company,
North Star Mining Company,
Diamond Mining Company, Santa Catalina Island.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

ROSE MATILDA MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	40	68	$13 60
O D Baldwin	42	32	6 80
A Dodge	11 19	6 ea	2 00
A Dodge	22 24 26	10 ea	6 00
A Dodge	27	11	2 20
A Dodge	108	70	15 20
W Diggins	not issued	136	27 20
Mrs A Hewett	93	10	2 00
P Ide	76	125	25 00
C Rhino	41	34	6 80
P Rogers	116	5	1 00
N A Tyler	72	5	1 00
Jos Taylor	118	25	6 00
E H Wood	117	15	3 00

CHARTER OAK MINING COMPANY.

Names.	No. Certificate.	No Shares.	Amount.
C F Briggs	32	48	$9 60
O D Baldwin	34	24	4 80
A Dodge	12 17	5 ea	2 00
A Dodge	18	6	1 20
A Dodge	92	41	8 20
W Diggins	not issued	96	19 20
Mrs A Hewett	78	5	1 00
P Ide	61	91	18 20
C Rhino	33	24	4 80
P Rogers	98	5	1 00
N A Tyler	58	5	1 00
Jos Taylor	101	25	5 00

NORTH STAR MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	39	72	$14 40
O D Baldwin	41	36	7 20
A Dodge	12 19 21	10 ea	8 00
A Dodge	17	5	1 00
A Dodge	24	14	2 80
A Dodge	105	64	12 80
A Dodge	not issued	5	1 00
W Diggins	not issued	144	28 80
Z Floyd	42	141	28 80
John Hill	44 45 46	10 ea	6 00
John Hill	47	14	2 80
John Hill	48 49	60 ea	20 00
C Rhino	40	36	7 20
P Rogers	110	5	1 00
N A Tyler	71	5	1 00
Jos Taylor	113	25	5 00

DIAMOND MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	29	44	$8 80
O D Baldwin	31	22	4 40
A Dodge	10	5	1 00
A Dodge	16	10	2 00
A Dodge	17	10	2 60
A Dodge	81	38	7 60
W Diggins	not issued	88	17 60
Z Floyd	32	88	17 60
John Hill	34	8	1 60
John Hill	35	10	2 00
John Hill	36	20	4 00
John Hill	37	50	10 00
Mrs A Hewett	70	5	1 00
C Rhino	30	22	4 40
P Rogers	86	5	1 00
N A Tyler	52	5	1 00
Jos Taylor	89	25	5 00

And in accordance with law, and an order of the Board of Trustees made on the 17th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, on the 12th day of November, 1864, at hour of 12 o'clock, M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner of Pine.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Machinery.

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of other sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

Hepburn & Peterson's

AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kastel Bros.-works, Bryant St. between 3d and 4th.

(Illustrated in the Mining and Scientific Press, April 9th, 864.)

nov8 3m* HEPBURN & PETERSON.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the 'Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNOERFORD & PRATER, Proprietors.

San Francisco, April 1st, 1864. 14v8-tf

Disney's Cylinder Amalgamator.

The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

IMPROVED WATER-WHEEL,

—PATENTED BY—

JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,

15v8-3m Golden State Iron Works, San Francisco.

DUNBAR'S

PATENT SELF-ADJUSTING

Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,

23v8 Golden State Iron Works, San Francisco.

HUNT'S

IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

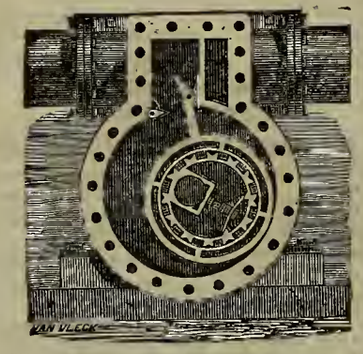
ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

HARRISON'S ECCENTRIC PUMP.



This pump is designed for throwing large quantities of water, either as a wrecking pump, a mining pump, or for irrigation. Its principal advantages are that it is light and compact, very durable and not at all liable to choke or get out of order.

It has no valves and no packing. It is a suction and force pump, and has sucked water up over 27½ feet.

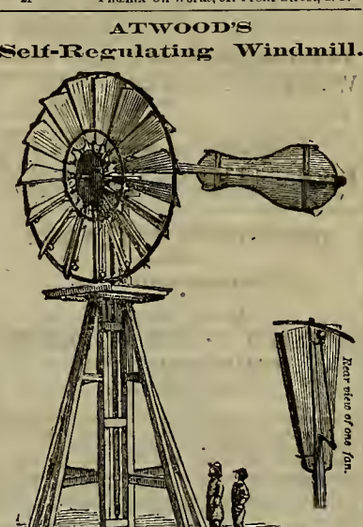
It can run fast or slow, and according to its speed is the quantity of water discharged.

All sizes, capable of throwing from 100 to 5000 gallons per minute. For sale by **C. H. HARRISON,**

21 Phœnix Oil Works, 517 Front Street, S. F.

ATWOOD'S

Self-Regulating Windmill.



This windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,

SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,

At the Novelty Iron Works, Nos. 37 & 39 Fremont street.

15-1m

BLAKE'S

QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.

706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

SALMON'S

PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

Hudson's Improved Pump,

(Specimen on Exhibition in the Pavilion,)

Plumbing and Gas Fitting in all its Branches.

A. J. SMITH,

No. 33 Webb Street. 9-d3tf

Miscellaneous.

KELLOGG'S PATENT

IMPROVED NEWBURY

PRINTING PRESS.

This New, Cheap, and most Desirable

JOB PRINTING PRESS

Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.

Kellogg's Improvement

Is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington hand-press, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, **L. M. KELLOGG,**

October 29th, 1864. San Francisco.

Canton Tea Store, Established 1858.

GEO. S. HASKELL & CO.

IMPORTERS,
WHOLESALE AND RETAIL DEALERS
— IN —
JAPAN AND CHINA TEAS,
AND

GROCERIES.

Store fronting on

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☞ THREE DOORS ☜

BELOW THE MARKET HOUSE,

San Francisco.

Our Motto, ☞ "Large Sales at Small Profits for CASH. ☜

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF

NOVEMBER, 1864.

Nov. 3—GOLDEN CITY. ... .Capt. Wm. F. Lapidge.
Nov. 12—GOLDEN AGE. ....Capt. E. S. Fransworth.
Nov. 23—CONSTITUTION.....Capt. J. T. Watkins.

From Folsom street Wharf,

At 9 o'clock A. M., Punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,

24-tf Corner Sacramento & Leidsdorff Sts.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE
Arizona Cons., 20c	Nov 19—Dec 3*
Amador Cons., Lander co., $1	Nov 21—Dec 6
Antelope, Esmeralda, $10	Oct 17—Nov 1
Alameda Coal, $1	Nov 2—Nov 19
Alhambra, D O., $1	Oct 24—Nov 4
Butte, Humboldt, $1	Nov 7— Nov 19
Balazett & Gold Era Cons., $5	Sale Nov 10 Virginia
Big Canon, Tuolumne co., $3	Oct 29—Nov 10
Baja California, San Antonio 25c	Nov 9—Nov 21
Best & Belcher, Virginia, $7.50	Oct 25—Nov 7
Blue Ledge, Kelsey, $1.25	Nov 5—Nov 21
Blue Ledge	Adjourned Meeting Oct 31
Battle, Virginia, $10	Levied Oct 12
Buckeye, D. G., $3	Nov 21—Dec 3
Boston Copper, El Dorado co., 50c	Nov 29—Dec 13
Crown Point Ravine	Annual Meeting Nov 21*
Charter Oak, Santa Catalina, 20c	Oct 29—Nov 12*
Caledonia T. & M	Annual Meeting Nov 14*
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Crescent Quartz, Dividend $50	Payable Oct 1*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Chrysopolis, Low Divide, 25c	Oct 23—Nov 8
Cortez, Lander co., $1	Nov 2—Nov 17
Cincinnati, R. R., $1	Sale Nov 5
Chicago & Detroit, Amador co., $1	Nov 19—Dec 3
Calaveras Iron Mountain Copper	Annual Meeting Nov 21
Colorado	Annual Meeting Nov 14
Crown Lead, Mariposa co., $1	Oct 9—Oct 29
Comstock, San Antonio, 60c	Adv Nov 8
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Coral Hill, $1	Oct 19—Nov 5
Corral Viejo, Sonora, $3.50	Oct 28—Nov 9
Capitola, Santa Clara, 25c	Nov 14—Nov 26
Capitola	Special Meeting Nov 14 San Jose
California, Virginia, $12.50	Aug 12—Oct 31
Chimuwavo, Colorado, 40c	Oct 12—Nov 10
Copp, Humboldt, $3	Nov 10—Nov 25
Cole, Virginia, $1	Oct 15—Oct 31
Diamond, Santa Catalina, 20c	Oct 29—Nov 12*
Daniel Webster, Sacramento, 30c	Oct 10—Oct 29*
Do Soto, Star, $2.50	Oct 22—Nov 9
Diamond, Copper, Del Norte co., 75c	Oct 31—Nov 15
Dacota, R. R., $1	Nov 18—Dec 5
Dell, O. H	Sale Nov 5
Evening Star, Humboldt	Annual Meeting Nov 10*
El Dorado, Silver Mountain, 50c	Oct 28—Nov 12*
El Tesoro, Lower Cal., $4	Nov 15—Nov 30
El Tasto, Mexico, $2.50	Nov 3—Nov 15
Eureka Cons., Arizona, 50c	Nov 10—Nov 26
El Alamo de San Antonio, 50c	Nov 5—Nov 15
El Dorado, Virginia, $1	Nov 14—Nov 30
El Toro, Sinaloa	Oct 15—Oct 29
El Tesoro, La Paz	Annual Meeting Nov 7
Eureka Coal, Alameda, 20c	Nov 17—Dec 2
Empire T. & M., Humboldt, $2	Nov 29—Dec 17
Fortune, Calaveras co., 20c	Oct 22—Nov 9*
Franco Americana, San Antonio, $1	Nov 23—Dec 9
Fairview, R. R., 50c	Oct 25—Nov 5
George Washington No. 2	Annual Meeting Nov 17*
Good Hope, Alpine, 25c	Oct 15—Oct 29*
Gobernadora, Lower Cal., $1	Oct 18—Oct 31
Green, Gold Hill, $1	Oct 26—Nov 12
Gov. Seymour, R. R., $5	Nov 12—Nov 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Guadaloupe del Aguajito, Sonora, 50c	Oct 29—Nov 12
Green, San Bernardino, 75c	Nov 7—Nov 19
Gold Hill T. & M., $1	Oct 26—Nov 9
Orent Western T. & M., Aurora, 40c	Oct 29—Nov 9
Great Western T. & M	Special Meeting Nov 1
Guasaparis, Mexico, $25	Nov 4—Nov 15
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Gold Hill Draining, $30 per foot	Levied Oct 28
Great Central, Weaver, 25c	Nov 28—Dec 9
Hale & Norcross, Virginia, $25	Oct 15—Nov 1
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
I X L, Alpine co., $3	Nov 25—Dec 9
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jesus Maria Trading & Mining, Sonora	Sale Nov 9*
Jewel, D. G., $1.50	Nov 10—Nov 22
Jewett, O. H., $1	Nov 26—Dec 13
Keokuk, Clayton 10c	Nov 5—Nov 19*
Kentucky Copper, Madame Felix, 50c	Nov 26—Dec 10
Kohler Brothers, San Antonio, $1	Nov 19—Dec 2
La Libertad, Cacachillas, $1	Nov 19—Dec 3*
Loomis, Lauder co., 25c	Oct 29—Nov 14*
Lady Bell, Low Divide, 10c	Oct 24—Nov 5
Lotas, Gopher, 10c	Oct 21—Nov 5
Las Chureas, $50	Nov 17—Nov 28
La Fernandez, Hermosillo, Mexico, $4	Oct 29—Nov 8
Las Cruzecitas, San Xavier, $6.25	Nov 14—Nov 26
London Quartz, Siskiyou	Nov 5—Nov 24
La Soledad, San Dimas $1	Oct 24—Nov 5
La Esperenza, Arizona, $5	Nov 5—Nov 21
Libertad, Ures, $5	Nov 1—Nov 15
La Pigua, 32c	Nov 4—Nov 14
Mammoth, Silver Mountain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 5*
Mejicana, Contra Costa, 15c	Oct 11—Oct 31*
Mina Prieta, Ures	Annual Meeting Nov 2
Mary Frances, Alpine co., 50c	Oct 10—Oct 29
Minn Rica de Las Flores, Calaveras co., $1	Oct 25—Nov 14
Monstor Cons., 30c	Adv Nov 3
Manchester, Monitor, $1.50	Oct 22—Nov 5
Mineral Hill T. & M., Mono co., 50c	Oct 19—Nov 1
Molones and Stanislaus, Calaveras co., $2.50	Nov 28—Dec 12
North Star, Santa Catalina, 20c	Oct 29—Nov 12*
Napa, Silver Mountain, 30c	Nov 19—Dec 5*
New Era, Copp, Tuolumne co., 25c	Nov 10—Nov 26*
Nuestra Senora de Guadaloupe, Mex. $1	Oct 30—Nov 14
North American, $2	Sale Nov 4, Virginia
New Year's Diggings, Tuolumne co	Nov 5—Nov 16
North Potosi, Virginia, $12.50	Nov 22—Dec 10
Nacosari, Sonora, $1.50	Oct 29—Dec 1
New Hope, Lander co., $2	Oct 27—Nov 19
Ontario, R. R., 25c	Nov 19—Dec 3*
Oxford Beta, Esmeralda, 50c	Oct 15—Nov 2*
Open Sesame, Clayton, 50c	Nov 16—Nov 26
Palma, Sonora, 25c	Oct 29—Nov 19*
Providence, Nevada co., $1	Oct 22—Nov 5*
Pena Silver, Lower California, $3	Aug 30—Oct 29*
Planet, Arizona, $1	Oct 29—Nov 10
Peninsula, San Antonio, $10	Nov 4—Nov 15
Pride of the West, Silver City, $3	Nov 7—Nov 21
Providential, R. R	Annual Meeting Nov 9
Rose Matilda, Santa Catalina, 20c	Oct 29—Nov 12*
Ruba, R. R., $1	Nov 12—Nov 30*
Rose, Mariposa, 50c	Oct 29—Nov 7*
Refugio, Contra Costa, 15c	Oct 12—Oct 31*
Real del Monte, Esmeralda	Sale Nov 7
Rosario & Carmen, Shuoloa, $1	Oct 29—Nov 10
Richland, R. R., $3	Nov 17—Nov 29
Rancheria, San Antonio, 50c	Nov 25—Dec 6
Simpson & Bossello, Carson Valley, 30c	Oct 27—Nov 14*
St. Paul, Lander co., 50c	Oct 15—Nov 7*
Steamboat, Star, $1	Nov 19—Dec 5*
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 21*
Sisters & Augusta, Lander co., 15c	Adv Nov 8*
Salinas, Monterey, co., 20c	Oct 15 —Oct 29*
Sweet Vengeance, Yuba co., $1	Oct 24—Nov 4
Stanislaus Copper, 50c	Nov 16—Dec 2
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Soledad Hill, Soledad, 50c	Oct 21—Nov 1
Santa Cruz, Lower California, $2	Nov 4—Nov 15
Sonomu Ledge, R. R	Annual Meeting Nov 8
Santa Rosa de Uros, Mex., 50c	Nov 8—Nov 26
San Carlos Ex. & M., Inyo, $2	Nov 9—Nov 24
Sierra Valley	Annual Meeting Nov 7
St. Louis, R. R	Annual Meeting Nov 9
Southern Light, R. R., $5	Sale Nov 25
Tahlo Mountain Copper, Calaveras co., $1.65	Oct 22—Nov 7*
Troy, R. R., $4	Nov 21—Dec 3
Tellurium, Amador co., $1	Nov 2—Nov 10
Table Mountain	Meeting Oct 31
U. S. Grant, Contra Costa, 15c	Oct 12—Oct 31*
United States, Virginia, $1	Oct 31—Nov 16*
Utah, $12.50	Oct 22—Nov 14
Union Copper No. 2	Annual Meeting Nov 19
Union Copper	Annual Meeting Nov 7 Crescent City.
Veatch, Lauder co., $2	Nov 3—Nov 15
Walker, Lander co., 25c	Oct 29—Nov 14*
White & Murphy, Virginia, $4.50	Nov 10—Nov 25
Well Partridge, Arizona, 25c	Oct 28—Nov 12
Waltt Cons., Arizona, 15c	Oct 27—Oct 31
Whitman, Lyon co., $7.50	Oct 29—Nov 15
Williams, Alpine co., 50c	Nov 4—Nov 12
Winnemucca, Ist N. Ex	Sale Oct 28
Yankee Blade, R. R., $5	Nov 25—Dec 13
Yuba, 50c	Oct 29—Nov 9

*Those marked with an asterisk (*) are advertised in this journal.

New Mining Notices.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 28th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Sarah V N Lovett	41	6	$30 00
David C Lee	86	6	30 00
O Lachman	75 76 77 78 79—ea 10	50	250 00
D Lachman	80	8	40 00
D Lachman	81 82 83 84—ea 5	20	100 00
Isaac Livingston	39	5	25 00
Isaac Livingston	40	2	10 00
J H Muller	74	2	10 00
J H Marston	412	12	60 00
M O'Brien	94	2	10 00
Chas Patton	393	12½	62 50
W J Prince	72	6	30 00
John Penniman	87	10	50 00
Jas B Richardson	88	5	25 00
A S Stacy	74	6	30 00
J A Wright	90	16	80 00

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on the 16th day of November, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

oct29-18* J. M. BUFFINGTON, Secretary.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Nevada Territory. Office, Nos. 8 & 10 Government House, corner of Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Crown Point Ravine Gold and Silver Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 21st, 1864, at 2 o'clock P. M. of that day.

oct29-18-td J. M. BUFFINGTON, Secretary.

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W. F. Leland	167	35	$3 75
Sarah J Wyman	28	5	1 25
H G Phillips		20	1 25
J H Stone		20	5 00
George Sawyer	51	10	2 50
Leonard Noyes	55	10	2 50
Ellen M Burus	75	10	2 50
A Chrisler	01	10	2 50
S B Wattson	84	10	2 50
Mrs C McDongall	17	25	6 25
J W Sargent	33 to 40	60	15 00
Geo K Phillips	149	15	3 75
Lewis Whiting	163	1	25
A J Ralston	166	15	3 75
Elmira C Hogden	88	5	1 25
Edward Tompkins	10	100	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Doro & Co., No. 327 Montgomery street, San Francisco, California, on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

Office, No. 411 Clay street, San Francisco. oct29-18

MINING AND SCIENTIFIC PRESS.—This well conducted journ has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

Owens River Canal Company.—Annual Meeting.

Notice is hereby given, that the regular Annual Meeting of the Owens River Canal Company, for the election of officers for the ensuing year, and the transaction of any other business that may come before the meeting, will be held at the Office of the Company, Room No. 2, second floor, No. 302 Montgomery street, corner Pine, at 7½ o'clock, in the evening of Saturday, the 26th day of November next.

T. L. BIBBINS, Secretary.

San Francisco, Oct. 28th, 1864. 18-td

Rose Gold Mining Company, Mariposa County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
N H Terwilliger	balance 29	66	$16 50
Phil Hope	26	625	312 50
A E Fraser	14	625	312 50
J W Wilbur	39	20	10 00
Joseph White	32	200	100 00
A I Vanderhoof	balance 34	67	16 75
J C Pray	80	20	10 00
Miss B P Chandler	79	5	2 50
W H Smither	81	67	33 50
C M Peck	balance 82	246	76 00

And in accordance with law and an order of the Board of Trustees, made on the 26th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Cobb & Simon, 406 Montgomery street, San Francisco, on the 7th November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

A. BUETELL, Secretary.

Office, 205 Battery street, and corner of California street, San Francisco. oct 29-18

Simpson & Bosselle Mining Company—Mines Located in Carson Valley Mining District.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Anderson, J B	217	10	$3 00
Bedell, M H	222	5	1 50
Bedell, B N	223	10	5 00
Bowker, C C	184	10	3 00
Boyle, Peter	158	10	3 00
Bateman, A L S	133	10	3 00
Bonney, O	30 31—ea 25	50	15 00
Bonney, O	32 34—ea 10	20	6 00
Bonney, O	146	8	2 40
Bonney, O	210	5	1 50
Chevallier, L E	107	5	1 50
Chevallier, Margaret	174	3	90
Cagwin, H A	189	5	1 50
Cornwall, J	304	5	1 50
Curtis, Tyler	307	10	3 00
Cook H	338	10	3 00
Carrean, G	354 355 356 357—ea 5	20	6 00
DeCrove, H W	40 47—ea 50	100	30 00
DeCrove, H W	48 49—ea 25	50	15 00
DeCrove, H W	52 54—ea 10	20	6 00
DeCrove, H W	315	5	1 50
Driver, A T	312	5	1 50
English, James	248	5	1 50
Kehlin, J A	275	10	3 00
Fischer, Theodoro	271	5	1 50
Fischer, Theodoro	273	10	3 00
Fulton, John	279	5	1 50
Goff, Hannah J	278	5	1 50
Goff & Robinson	280 to 285 inc—ea 5	30	0 00
Goff & Robinson	287 288 289—ea 5	15	4 50
Goff & Robinson	291 292 294 295	20	0 00
Gould, T H	3.0	10	3 00
Hartwell, C N	148 149 150	15	4 50
Hudson, John G	183 203—ea 5	10	4 50
Hogle, G T	237	10	3 00
Harter, D	270	15	4 50
Heinze, Sedoala	272	5	1 50
Ivens, C H	299	10	3 00
Jackson, Wm T	159	7	2 10
Jackson, Wm T	160	5	1 50
Johnson, J G	194	5	1 50
Jackson, Wm	308	15	4 50
Keith, Wm H	127	10	3 00
Knowles, J W	247	10	3 00
Kincaid, H	316	5	1 50
Keith, A H	344	10	3 00
Lampman, Charles	360	20	6 00
Lambert, Henry	151	3	90
McKillican, D R	107	50	15 00
McKillican, D R	121	5	1 50
Manley, B	136	10	3 00
Manley, B	137	5	1 50
Murray, James	156	10	3 00
McConkey, S	274	5	1 50
Moore, Charles	300	10	3 00
Magee, T W	3.7	5	1 50
Maxwell, A	129	5	1 50
Menot, Baptist	337	10	3 00
Organ, Thos	206	5	1 50
Osgood, C H	330	10	3 00
Osgood, C H	331	15	4 50
Pearson, R C	105	10	3 00
Perry, Chester	296	5	1 50
Perry, Anson	297	5	1 50
Paine, Moses	310	5	1 50
Peltier, Andre	358	5	1 50
Rogers, J H	195 196—ea 20	40	12 00
Rogers, J H	197	50	0 00
Richber, C	343	5	1 50
Simpson, E	73 75—ea 100 200	60	60 00
Simpson, E	239 240 241 243 244—ea 5	25	7 50
Simpson, E	245	10	3 00
Simpson, E	246	11	3 30
Simpson E	317	5	1 50
Simpson, E	321 320—ea 10	20	6 00
Simpson, E	323	25	7 50
Stiles, A L	193	5	1 50
Seely, J	233	10	3 00
Sigsbee, J L	302	5	1 50
Spear, Asa	303	5	1 50
Severance, James	328	5	1 50
Smith, J T	334	5	1 50
Shaw, G H	335	20	0 00
Timson, Wm	224	5	1 50
Taggard, J A	277	10	3 00
Van Every, A J	1	50	15 00
Van Every, A J	238	5	1 50
Wright, Nollo B	173	5	1 50
Weiland, F	214	10	3 00
Watkins, J T	359	10	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 14th day of November, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [18

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

United States Mining Company, Virginia District, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 30th day of September, 1861, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Helen F Ambrose	635	2	$2 00
John F Alexander	198	10	10 00
A I Burke		2	2 00
J L Bennett	62 63 64 65		
	66 67—ea 5	20	30 00
J G Bloomer	14	50	50 00
J G Bloomer	15 16—ea 25	50	50 00
J G Bloomer	17 18 19 20 21—ea 10	50	50 00
J G Bloomer	22 23 24 25 27—ea 5	25	25 00
J W Brooks	71 72—ea 5	10	10 00
Joseph Coulter	140	3	3 00
S M Collins	202 203—ea 10	20	20 00
John S Collins	234	20	20 00
J Case	2.9	5	5 00
A H L Dias	11	5	5 00
Wm Fell	441	10	10 00
C G Funk	554 556 557—ea 10	30	30 00
M Foley	200 201 202—ea 10	30	30 00
C H Fisher	248	8	8 00
C B Goodrich	99	4	4 00
J G Gentry	147	1	1 00
David Hunter	319	10	10 00
Conrad Holtz	29 30 31—ea 10	30	30 00
James Hughes	91	8	8 00
Josiah Hancock	56	2	2 00
G W Hardy	171	1	1 00
W H Hardy	172	1	1 00
J H Knapp	393	4	4 00
J H Knapp	394 395—ea 2	4	4 00
W B Kuox	383 384 385—ea 10	30	30 00
A C Knox	74	2	2 00
John Keyes	102	5	5 00
Fred A Korn	41 42—ea 5	10	10 00
Fred A Korn	43	2	2 00
W D Kuox	214	10	10 03
Eunice Lockwood	396 397—ea 2	4	4 03
Frank Long	70	4	4 00
C H Lounsberry	145	20	20 00
D Lachman	250	8	8 00
F A Marston	211	10	10 00
D J Monroe		15	15 00
R A Merrill	370 371 541—ea 10	30	30 00
W J Miller	370	10	10 00
W J Miller	377	20	20 00
J H Muller	36 37 38—ea 5	15	15 00
D W Miller	178	3	8 00
Wm Murdock	210	2	2 00
Jas McBride	92	7	7 00
Eli McCarty	197	2	2 00
Henry Nutt	2.0	20	20 00
J W North		10	10 00
Wm Neely	61	5	5 00
O J Perkey		10	10 00
Porter & Collins	54 55 56 57—ea 10	40	40 00
G W Prescott, Jr	570 571—ea 1	2	2 00
G W Prescott, Jr	9 10—ea 8	10	10 00
E J Parker	75	4	4 00
J M Pollard	95	2	2 00
John Prince	131	20	20 00
John Penniman	179	5	5 00
L R Roe		30	30 00
E C Sessions		40	40 00
J B Sutherland	399	4	4 00
J B Sutherland	400 401—ea 2	4	4 00
Simon Schleweeks	27	4	4 00
Simon Schleweeks	28	2	2 00
J W Scott	73	3	3 00
Joseph Swift	200	10	10 00
R Schnorss	44 45—ea 25	50	50 00
E Schnorss	47 48 49—ea 10	30	30 00
Peter Taylor	76 77—ea 5	10	10 00
Wm Truesdale	78 79—en 5	10	10 00
C Walker	2.5 226—ea 0	12	12 00
C Walker	355	30	30 00
C Walker	606	35	35 00
G A Weed	5 6 7 8—ea 10	40	40 00
T K Wallis	12	2	2 00
R S Weight	80	2	2 00
Crayton Winton	242	50	50 00
Crayton Wilton	243	10	10 00

And in accordance with law and an order of the Board of Trustees, made on the 30th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 16th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. oct29-18

Evening Star Gold and Silver Mining Company. Trinity District, Humboldt County, N. T.

The Annual Meeting of the Stockholders of the above company, for the election of Trustees to serve for the ensuing year, will be held at the office of the Company, No. 710 Sansome street, on Thursday, the 10th day of November, 1864.

18-2 N. DUPERU, Secretary

INVENTORS AND INVENTIONS.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Invention is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Glorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignorant of the joys of victory. —[Dumas.

RAILROAD HOUSE.

316, 318 & 320 Commercial Street,

SAN FRANCISCO.

THE Undersigned respectfully notifies his Patrons, and the Public generally, that he has assumed the entire charge of above popular House, and having had it thoroughly renovated, he flatters himself it will compare favorably, in point of comfort and cleanliness, with any House in the city. It is his intention to make it a First Class

Family Hotel.

Being conducted on the European plan. It is not only the CHEAPEST RESPECTABLE HOTEL, but the most convenient as guests can choose their own hours of eating. The Restaurant is now conducted by G. V. DAWSON, Esq., formerly of Sacramento, late of Marysville, whose name is a sufficient guarantee of the best of living.

The Railroad House Coach conveys passengers to the hotel FREE. Barber Shop, Bath Rooms, Steam Baths, etc., connected with the House.

18-q **C. L. ROSS, Proprietor.**

BRANDRETH'S VEGETABLE PILLS.—Forty Millions of People have used and approved this Great Medicine, whose use reduces the Death Principle, causes your sickness to leave you, and smiling health to return. Often in disease of twenty years' standing they effect a perfect cure where all hope had fled. Sold by all Druggists.

NEW SHAFT OF THE GOULD AND CURRY MINE.—The Virginia *Union* thus mentions the new shaft of the Gould & Curry mine, in D street, Virginia City.

The new shaft is at the mouth of their upper tunnel, and is sunk about in the center of the street. It was commenced only a short time ago, and is now down to the depth of 175 feet. The shaft is a very large one, being 22½ feet long by 7½ feet wide, heavily timbered with 14 inch timbers, from top to bottom, and is divided into four different compartments, each 4½ by 5 feet in the clear. In sinking and timbering three men are employed below, and two above, independent of the whim driver, working eight hours to a "shift." Thus, three "shifts" keep the work constantly going ahead. The hoisting is all done by means of the most substantial whim in the Territory, the drum of which is 12 feet in diameter, and it is navigated by one horse. A large force of carpenters are at work fitting timbers, etc., and the whole operation employs about 40 men. The rock which comes out is a soft, blue "bed rock," which is readily picked, and no blasting has to be done; but yet, such is the size of the shaft and the amount of timber used, that it costs about $200 per foot. They will soon have to erect steam hoisting works there in place of a whim, that being too slow an operation for any great depth. They propose sinking this shaft 1,500 feet, at which depth they expect to strike the Comstock tolerably rich. At the depth of 234 feet they will connect with their lower tunnel—which lies about 200 feet south—by means of a branch tunnel, and the debris from this shaft will then be run out through it. The old or upper tunnel was run in 1860, and is 500 feet in length, running from D street to the ledge, but it has been but little used since the lower tunnel was run. It commenced caving four or five weeks ago, and continued until the whole of the end near the ledge was entirely destroyed, and a large cavity formed at that point, which, however, exposed a large quantity of rich ore, not known of before. The tunnel is now being cleaned out and reconstructed, in order to get at the aforesaid good ore.

SUSPENDED.—Work at Mare Island has been nearly all suspended and the laborers discharged.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evening.*

BRANDRETH'S PILLS.—The weak, the consumptive, rheumatic, costive, bilious and delicate, after one day's use will find renewed strength and life pervade every organ of their frames. Sold by all Druggists.

American and Foreign Patent Agency

FOR THE

PACIFIC COAST.

DEWEY & CO., AGENTS,

AND PUBLISHERS OF

The Mining and Scientific Press,

Corner of Washington and Sansome Streets.

We would call the particular attention of INVENTORS and DISCOVERERS in ARTS, MECHANISM, METALLURGY and CHEMISTRY, to our superior advantages for soliciting Letters Patent in the United States, British Columbia, European and other Civilized Countries.

We have secured the co-operative services of some of the oldest, most thorough and reliable Patent Solicitors and Attorneys at Washington, and in Foreign Countries, and our Applicants can have their claims and specifications properly and speedily presented, without the delay necessarily required in transacting their business through Eastern or Foreign Agencies. For further information, address

DEWEY & CO.,
Publishers and Patent Agents.

Corner of Washington and Sansome Streets, San Francisco.

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINGER. No wood-work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made. Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.50. No. F. $8.50. No. A. $9.50. Manufactured and Sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use. Respectfully yours,

JNO. W. WHEELER, Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

New York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

6-tf

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 323 Montgomery Street. 3tf

READY ROOFING

READY TO NAIL DOWN.

READY ROOFING

At less than half the cost of tin roofs.

READY ROOFING

More durable than Tin.

READY ROOFING

Suitable for steep or flat roofs.

READY ROOFING

For all kinds of buildings, in all climates.

READY ROOFING

Easily, cheaply, and quickly put on. Needs no coating over with cement after it is nailed down.

READY ROOFING

Made of a strong woven fabric, thoroughly saturated and covered upon both surfaces with a perfectly water-proof composition, and put up in rolls ready for use—40 inch wide, and 75 foot long.

WE ALSO MANUFACTURE

Liquid Cement,

FOR LEAKY TIN ROOFS.

Much cheaper and more durable than oil paint. Also,

Compound Cement,

For Leaky Shingle Roofs,

Which will often save the cost of a new roof.

Samples of Ready Roofing and Circulars sent by mail when desired. Favorable terms made with responsible parties who buy to sell again.

READY ROOFING CO.,
6tf 73 Maiden Lane, N. Y.

Mining Notices--Continued.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of October, 1864, an assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 723 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. G. FRENCH, Secretary.
Office, 723 Montgomery street, San Francisco. 17-4

Caledonia Tunnel and Mining Company, Gold Hill District, Nevada Territory. Office, No. 8 & 10, Government House, corner Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Caledonia Tunnel and Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 14th, 1864, at 2 o'clock P. M. of that day.

16-5 J. M. BUFFINGTON, Secretary.

Crown Point Ravine Gold and Silver Mining Gold Hill District, Nevada Territory. Office, Nos. 8 & 10 Government House, corner of Washington and Sansome Streets, San Francisco.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 28th day of September, 1864, an assessment of five dollars per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary at his office, or to JAS. B. COFFEY, Virginia City, Nevada Territory.

Any stock upon which said assessment shall remain unpaid on the 1st day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 16th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of October, 1864, an Assessment (No. 10) of $5. per share was levied on the Capital Stock of said Company, payable on the 20th day of October, 1864, in United States gold coin to the Secretary, E. J. PFEIFFER, at the office of the Company, S. W. Corner Post and Dupont streets.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary.
16-4t Office, S. W. Corner, Post and Dupont Sts.

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessment (No. 5) levied on the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W H Weldon	71	20	$6 00
W H Weldon	72	20	6 00
W H Weldon	73	20	6 00
W H Weldon	74	20	6 00
W H Weldon	75	20	6 00
W H Weldon	76	20	6 00
W H Weldon	77	20	6 00
W H Weldon	78	20	6 00
F Sanderson	23	20	6 00
F Sanderson	24	20	6 00
F Sanderson	25	20	6 00
F Sanderson	28	20	6 00
F Sanderson	29	20	6 00
F Sanderson	30	10	3 00
F Sanderson	170	10	3 00
F Sanderson	177	5	1 50
A W Sanderson	51	20	6 00
A W Sanderson	52	20	6 00
A W Sanderson	53	20	6 00
A W Sanderson	54	20	6 00
A W Sanderson	55	20	6 00
A W Sanderson	56	20	6 00
A W Sanderson	57	20	6 00
A W Sanderson	58	20	6 00
A W Sanderson	59	20	6 00
A W Sanderson	60	10	3 00
L F Sanderson	41	30	9 00
L F Sanderson	42	30	9 00
L F Sanderson	43	20	6 00
L F Sanderson	44	20	6 00
L F Sanderson	45	20	6 00
L F Sanderson	46	20	6 00
L F Sanderson	47	20	6 00
L F Sanderson	48	10	3 00
L F Sanderson	49	10	3 00
L F Sanderson	50	10	3 00
J S Morse	167	15	4 50
J Robbins	170	10	3 00
George Salisbury	160	10	3 00
A Thurber	157	10	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

JOHN J. SCOTCHLER, Secretary
Office, 204 Front Street, San Francisco, Cal. 16

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Township No. 8, Calaveras County, California.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of Forty Cents per share was levied upon the Capital Stock of said Company, payable immediately, to the Secretary, at the office of the company, No. 540 Clay Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 8th day of November, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Monday the 28th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.
Office, No. 540 Clay street, San Francisco. 15-4

Jesus Maria Trading and Mining Company, Sonora, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 30th day of July, 1863, and on the 17th day of August, 1863, October 12th, 1863, December 17 and February 23, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
James Baldwin	10	25	$31 25
Jose Incinas	2	25	68 75
Francisco Terminall	3	25	68 75
John S Brander	52	125	18 75
Alex T Duplisnac	1	25	68 75
R R Stain	11	25	25 00
G A Altman	12	25	31 25
John D Hogan	50 to 66	17	9 60
William Barry	11 to 15	250	31 25
Henry Smith	78 to 81	250	31 25
Michael Keelaher	12	25	31 25
Wm Hewer	13	25	31 25

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No. 35 Metropolitan Block, on the 9th day of November, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. D. GALLAGHER, Secretary.

15-4 Office, Room Third Floor, 35 Metropolitan Block.

Keokuk Gold, Silver and Copper Mining Company. Location, Clayton Mining District, Contra Costa County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of ten cents per share was levied upon the Capital Stock of said Company, payable on the 8th day of October, 1864, in United States gold coin to the Secretary at his office, or to J. W. Cassidy at the mine.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 5th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

15-4t Office, No. 22 Front Street, San Francisco.

La Libertad Gold and Silver Mining Company, Cacachilihs District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 3d day of September, 1864, in United States Gold and Silver Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.

Office, No. 34 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. 17-4t

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, F W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, estate, not iss'd		22 2-8	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	141	72 00
Fido, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 76 77		80	40 00
Payne, S S	9	5	2 50
Richardson, S 19 20		20	10 00
Tanner, O	8	2	1 00
Whitton, M S	bal	7½	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Dyson, Z bal on 78 79 80		20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. 14

POSTPONEMENT.—The above sale is postponed until Monday, November 21st, 1864, at the same hour and place. By order of the Board of Trustees.

17-4 J. WARREN CLARK, Secretary.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 10th day of October, 1861, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 7th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary

Office, southwest corner Washington and Stockton streets, San Francisco.

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardyman. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public.

W. H. TOBEY, Agent, Government House, San Francisco. 16-tf

Napa Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an Assessment of thirty (30) cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of October, 1864, in United States gold and silver coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco. Sale at the office of the company, at 1 o'clock P. M 17-4

Ontario Mining Company, Little Mount Ledge, Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. CUNNE, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets San Francisco, Cal, 17-4t

Oxford Reta Tunnel and Mining Company, Silver Hill, Esmeralda District, N. T.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 5th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
A Hinds	32	50	$25 00
A Hinds	33	25	12 50
A Hinds	34	10	5 00
A Hinds	35	10	5 00
A Hinds	36	5	2 50
N R Lowell	164	100	50 00
Joshua Phelps	100	5	2 50
Ira P Rankin	unissued	100	50 00
John Abel	135	5	2 50
M F Clayton	179	5	2 50
M F Clayton	180	5	2 50
Geo W Dorn	196	20	10 00
Geo W Dorn	197	20	10 00
Geo W Dorn	201	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., 327 Montgomery street, San Francisco, on the 2d day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. H. PECK, Secretary.

Office, corner Sansome and Broadway streets, San Francisco. 16

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Knull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	10 2 3	50
C A Parrinton	11	16 2 3	50
R C Jacobs	32, 137	59 1-3	119
J J Corrigan	153	81	93
J F Dorland	89	8 1 3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2 3	47
Miss M A Phillips	54, 55, 66, 67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1 8	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1 2	16
Gilbert Palacho	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1 3	7
P Van Pelt	104, 145	14	42
K S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
K G Mathewa	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	0
O F Tibbetts	130	8 1 3	25
S C Peck	128	4 1 6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Goddea	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	107	3	9
A H Hagadorn	108	8 1-3	25
Wm Ashblott	169	2	0
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, January 3 st, 1865. By order of the Board of Trustees. GEO. L. FAULKNER, Secretary.

Providence Gold and Silver Mining Company, Works at Nevada County, California.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 16th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Ainsworth	74	25	$25 00
E G Brooks		27½	27 50
John S Carter	109	20	20 00
John S Carter	101	20	20 00
John S Carter	115	10	10 00
Phebe E Carter	167	5	5 00
W P Davidson	25	3	3 00
Wm Davis	166	10	10 00
Wm Davis	168	20	20 00
Wm Davis	209	5	5 00
M S Elliot	32	10	10 00
Georgiana Elliot	33	5	5 00
Thatcher Emery	89	3	3 00
Thatcher Emery	90	3	3 00
Thatcher Emery	214	5	5 00
W A Frey	26	3	3 00
H S Huntington	34	50	50 00
F A Hunnington	171	10	10 00
F A Hunnington	35	12	12 00
F A Hunnington	115	5	5 00
A C Lund	24	1	1 00
A C Lund	134	5	5 00
A C Lund		5	5 00
A Landen	154	5	5 00
W R Morey	213	10	10 00
D Norcross	130	15	15 00
D Peterson	43	10	10 00
Geo Paasch	68	5	5 00
Caroline Price	203	5	5 00
J R Richards	108	5	5 00
J Rohman	77	15	15 00
J Renault	197	5	5 00
J J Robbins	198	25	25 00
Martu Sutherland	121	10	10 00
J B Sutherland	122	10	10 00
H H Slater	143	2	2 00
Isaac Swain	200	5	5 00
Isaac Swain	201	5	5 00
A T Swain	207	2	2 00
A T Swain	208	5	5 00
Isaac Tabor	78	25	25 00
H T Thotaut	94	2	2 00
A Walrath	114	20	20 00
A Walrath	88	4	4 00
A Walrath	215	5	5 00
M Welton	123	5	5 00
D F Wright	202	5	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of September, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 5th day of November, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

☞ Office, Nos. 8 & 10 Government House, corner Sansome and Washington streets, San Francisco. 17

Ruba Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of October, 1864, an assessment (No. 3) of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to W. M. WILLIAMSON, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on the twelfth (12) day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the thirtieth day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. 16-4

Stembount Silver Mining Company, Star District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 18th day of October, 1864, in United States gold coin, to the Secretary, or to JAS. S. MACLEAN, Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTNAM, Secretary.

Office, Northeast corner Jackson and Front streets, San Francisco. 17-4

St. Paul Gold and Silver Mining Company, Amador District, Lander County N. T.

NOTICE.—There are delinquent upon the following described stock, on account of assessments levied on the 3d day of February and the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
F Clark	certificate not issued	25	$25 00
J Garber	21	10	10 00
J Garber	22	10	10 00
J Garber	23	5	5 00
D B Palmer	64	5	2 50
D B Palmer	65	5	2 50
D B Palmer	66	5	2 50
D B Palmer	67	5	2 50
J B Weller	68	5	2 50
J B Weller	69	10	5 00
F Foreman	70	10	5 00
J E Oatman	111	20	10 00
J W Craycroft	113	10	5 00
C F Lott	116	50	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at by public auction John Middleton & Son, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. 16

POSTPONEMENT.—The above sale is postponed until Monday, November 7th, 1864, at the same place and hour. By order of the Board of Trustees.

17-3t N. DUPERU, Secretary.

Scott Mining and Exploring Company, Humboldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice is hereby given, that at a meeting of the Board Trustees of said company, held on the 28th day of September, 1864, an assessment of 33⅓ cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company.

Any stock upon which said assessment shall remain unpaid on the 8th day of November 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 23d day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. 14-4

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras County, California

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 8th day of October, 1864, an assessment of ten(10) cents per share was levied upon the capital stock of said Company, payable on the 10th day of October, 1864, in United States gold coin, to the Secretary, at his office on Rock Creek.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 25th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. J. FINDLEY, Secretary.

Office, Rock Creek, Calaveras County. 16-4

Stokes and Augustin Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 1 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to JOHN MOFFET, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. September 20th, 1864. 13-4t

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Tuesday, November, 8th, 1864. By order of the Board of Trustees.

13 L. C. DODGE, Secretary.

Table Mountain Copper Mining Company, Stanislaus District, Calaveras County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
D R Beckford	91	3	$4 95
G E Crowell	319	8	13 20
Milo Calkin	216	1	1 65
Milo Calkin	294	40	66 00
Milo Calkin	295	46	75 90
Mrs L A K Clapp	67	7	11 55
Mrs L A K Clapp	159	13	21 45
A L Davis	59 154	300 ea-10 sh 30	49 50
James R Doyle	317	14	23 10
J N Elmore	287	10	16 50
James R Gates	288	10	16 50
W M Huntoon	4	282 ea-25	50
W M Huntoon	226	265 ea-5	10
W M Huntoon	272 237	249 ea-10	30
W M Huntoon	125	13	21 45
W M Huntoon	163	12	19 80
W M Huntoon	233	30	49 50
John A Hooper	299	65	107 25
Calvin H Halu	165	5	8 25
J E Hinchborn	196	15	24 75
C Hanson	200	15	24 75
C C Knowles	232	3	4 95
E W Linsley	278	1	1 65
John Minturn	210	4	6 60
R Newby	290	57	94 05
R Newby	216 301	302 ea-30	99 00
R Newby 247 303	304 305	307 ea-10	50
B Newby	306	3	4 95
Miss M E Phillips	190	5	8 25
J C Pelton Jr.	251	1	1 65
N C M Pelton	252	1	1 65
L D Stuart	160	3	4 95
R J Vanderwater	136	30	49 50
R J Vanderwater	158	4	5 60

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, 621 Clay Street, San Francisco, on Monday, the 7th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

M. G. ELMORE, Secretary

Office, No. 621 Clay street.

Tallulah Mining Company, Sierra District, Humboldt County, Nevada Territory.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the 6th day of June, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
W H Cberry	0	20	$280 77
E R Highton	92	14	70 00
E R Highton	93	7	35 00
E R Highton	certif not issued	63	685 00
S C Doan	certif not issued	50	005 50
C Bico	50	50	706 00
C Bico	57	50	706 00
C Bico	58	10	141 20
C Bico	59	10	141 20
C Bica	00	10	141 20
C Bico	61	10	141 20
C Bico	63	20	282 40
C Bico	64	20	282 40
C Bico	05	5	70 60
C Bico	00	5	70 60
C Bice	certif not issued	6¼	91 70
C F Ellsworth	47	14	126 60

And in accordance with law, and an order of the Board of Trustees, made on the 13th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the company, No. 6 3 Montgomery street, San Francisco, on Tuesday, the 1st day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEO. A. HILL, Secretary,

Office, No. 523 Montgomery Street, San Francisco, Cal. 15

United States Mining Company, Virginia Distriot, N. T.

Notice is heraby given, that at a meeting of the Board of Trustees of said Company, held on the 20th day of September, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, or to J. B. COFFEY, Virginia, Nevada Territory

Any stock upon which said Assessment shall remain unpaid on Monday the 31st day of October, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Wednesday the 16th day of November, 1864, at 12 o'clock M., to pay the delinquent assesment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Rooms No. 8 & 10 Government House, corner of Sansome and Washington sts., San Francisco, Cal. 14

Conclured from page 281.

our homes as the sewing machine. The click of these wonderful instruments may be heard resounding in the drawing room of the palatial residenee of the millionaire, stitching away with tireless energy upon the rich material of some costly article of luxury, or in the cheerless garret of squallid poverty, making shirts and pants for soulless contractors, making music as merrily in one as well as the other. This machine, the introduetion of which has produeed sueh astonishing results, has been so much improved upon that there is no deseription of needle-work from the hard laborious work of the saddler and boot maker, to the fragile work of the milliner, some of whose muslins approach the gossamer in fineness, but what can be accomplished by these improved maehines. The marked improvement in the public taste in dress, the elegant stitching that decorates so charmingly the elothing of the children of the poor, would never have been accomplished without the introduetion and improvement of the Sewing Machine. So brilliant and rapid has been the suceess of American genius as displayed in the iuvention, improvement and manufacture of Sewing Machines, that no other country in the world has produced the man who has attempted to compete with our own inventors in the production of this universally useful and important instrument. In these days of imitation and progress, this fact appears prominent and singular in the history of the present. It is one of the highest compliments yet recorded in the triumph of American genius. None but "Yankee" sewing machines have yet been known. There are more than 500 improvements claimed by patent agents on the original machine—many of them really valuable in themselves, but, scattered through so many otherwise defective instruments, they are like a divided people, not near as effeetive for good as they would be were they united.

While, as we have above stated, a large number of sewing machines have been offered to the public, some of which possess points of excellence and acknowledged merit, the necessity of a machine more perfeet in its mechanical structure has long been felt—a maehine to combine, in the highest degree, *simplicity* with *durability*, and while capable of doing a *greater range of work*, one that could be easily understood and comprehended by all.

To supply a sewing machine free from the objections attached to others, has been no easy task; by a liberal expenditure of eapital, and the patient untiring labor of years, this is boldly claimed to have been accomplished by the Florence Sewing Machiue Co., of Florence, Massachusetts.

Discarding the chain and loop, or knit stitches, they adopt the loek stitch, (alike on both sides of the fabric,) which is regarded by the masses as best suited to all kinds of work. They also add the knot, double lock, and double knot, either of which is *stronger and more elastic* thau the lock; thus enabling the operator to select a stitch perfeetly suited to every grade of fabric, and wheu neeessary, sew seams mueh stronger than it is possible to do by hand.

Adding the three stitches would seem to require a complication of maehinery, and thus render the maehine impracticable; *but such is not the fact.* It makes the *four stitches* with as mueh ease and facility as ordinary maehines make one stitch, and *with as little if not less machinery.*

To have them thoroughly tested before presenting them to the public they were plaeed in manufactories and families, where a severe trial would expose any weak points. The result was all that could be desired; and from its first introductiou the "Florenee" has gained a host of friends.

We can only mention, for want of space, a few of the peculiar advantages of this new machine: It has the *reversible feed motion*, which enables the operator, by simply turning a thumb screw, to have the work run either to the right or left, to stay any part of a seam, or fasten the ends of the seam, without turning the fabric; it runs lightly and sews rapidly; it does the heaviest or finest work *without change of tension or machinery.* This, in our opinion, is its most useful feature. We have no hesitation in prononncing this machine (having given it a careful inspection) as inferior to none, in its many important features.

1852. 1864.

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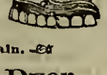

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12-3m **P. BELLE.**

New Volume.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its ninth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it wicked.)—*Red Bluff Independent.*

T. C. SANBORN & CO.,

MR. T. C. SANBORN having resumed business at the Stock Exchange, will, from this date, attend to orders for the purchase or sale of Mining Shares and other Securities.

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San Francisco, October 22, 1864. 18v9-tf

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FIRE ENGINES, FORCE AND LIFT PUMPS,

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Great Purity of the Blood and the System Generally,

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Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, NOVEMBER 5, 1864.

VOLUME IX. Number 19.

[Written for the Mining and Scientific Press.]

OUR IRON CLADS—THEIR CREATION.

In June, 1861, Congress made the first appropriation for the building of armored vessels for our Navy. France as well as England had several large and small armored vessels afloat at that time; with our principal navy officials, these ships seemed not to be regarded favorably; but after a delay of some months, the Navy Department concluded to make use of the appropriation of Congress, amounting to $1,500,000. They appealed to the Engineers of the country to submit plans for armored vessels and out of a great number submitted to them, they choose three, according to which plans our first three armored ships have been built.

The first vessel was the Galena, a medium sized wooden war ship substantially built, with tumbling insides, which were covered with narrow 2½ iron plates overlaping each other and fastened with through bolts, having the washer and nut inside the boat. The worthlessness of this boat, as an iron-clad was duly demonstrated in the fight with Fort Darling on James River, in June, 1862, where her sides were riddled with shot, and where the nuts of the through bolts flying all over the gun deck, the moment a plate outside was struck, played sad havoc amongst her devoted crew. The plating has since been removed off her sides and she is doing service as a gunboat. Lately she took an honorable part in the battles in Mobile Bay.

The greatest part of the money appropriated was spent in constructing the justly celebrated frigate New Ironsides. She is a wooden vessel of very superior material and workmanship, in building her the builders seem to have used La Gloir, the prototype of all European Iron Clad fleets, as their guide, although our ship is undoubtedly an improvement over the French ship. Both ships are of equal length 275 feet, but the New Ironsides has a considerable greater beam, her lines fore and aft are very full (she being a poor model for speed), which gives her a greater displacement and consequently less draught of water. Her armor plates, which are 4½ inches thick, are fastened with wood screws, a decided advantage over the French fastening with through bolts. The New Ironsides carries a far heavier battery, considerably higher above the water line than La Gloir's; in fact with the exception of speed our ship is far superior to the French ship. The fore and aft lines of the French ship are extremely fine, her engines are almost double the size of those of the New Ironsides, which would in case of a conflict between both, more than atone for other advantages our ship has. The New Ironsides has been engaged more than a dozen times and has been hit over 200 times by the heaviest modern projectiles, without having received any other injury than the cracking of a few plates of her armor.

The third craft was the "Monitor," the main features of this vessel are too well known to deserve any further notice. The result of the battle in Hampton roads inspired the nation justly with a high opinion of vessels of this class; whether it was wise to devote the resources of the nation to the building of these vessels only to the exclusion of almost all other forms of iron clads, is quite another question, which gives a wide scope to discussion. Besides the New Ironsides we have a few other iron clads, ranking for their size, first class.

The Roanoke was originally a wooden ship, built in 1855 at the Gosport Navy-Yard, and a sistership of the Merrimac. In 1862 she was cut down, armor-plated and equipped with three turrets. Her performances at sea seem not to have been very satisfactory, as she was moored at Fortress Monroe, where she has been lying ever since, being of no other use than to serve in case of need as a floating battery there.

The Dictator, a monitor built for sea service, is 326 feet long, 50 feet wide, draws 21 feet of water and is to be only 22 inches out of water. She rates 3033 tons, carries only one turret, containing two 15-inch guns, and was to have been ready for service in the beginning of October.

The Puritan, also a monitor, 356 feet long, other dimensions like the Dictator's, rated at 3265 tons, is to have two turrets. Work has been stopped on her since July. If recommenced now, it would take about nine months to finish her for service, only a few of the heavier pieces of her machinery are in position.

The Dunderberg, is in the stocks yet although as far as her hull is concerned, she has been ready for launching these last eight months, but the machinery is in such a state of backwardness, that those pieces which must be in position when the ship is to be launched, have not been finished yet. This ship is the only casemate ship built for our navy so far. She is to have two turrets on top of her casemate, she is the largest war vessel of our navy, and when afloat will doubtless be the most effective and terrible engine of war ever built. She is 375 feet long, 78 feet wide and 27 feet deep, she is to draw about 21 feet of water; her bow projects 50 feet forward of the ship proper, is of solid oak, heavily braced and iron clad and forms a terrible ram; her sides are at the floor three feet thick increasing to seven feet solid oak at the water-line, from the level of her deck down her sides eleven feet, she is covered with 4½ inch iron plates, which are unlike other ships' armor plates, fastened vertically. The casemate on her deck is 160 feet long and the width of the ship, formed of three feet oak covered with 4½ inch plates, the sides being inclined at an angle of 45°. The Dunderberg is to have ten of the heaviest guns used in our navy. Her motive power is derived from two engines, 100 inches diameter of cylinder, and 48 inches stroke of piston, which her builder expects to drive her at the rate of fourteen nautical miles an hour; an expectation which is sure not to be realized. The vessel resembles much like an immense scow, her bottom is dead flat, her bilge having only 30 inch radius, so that in spite of her very fine lines forward, which, many consider too concave, her form is not one for speed, besides there is her immense overhung aft, for protection of her propeller, which will not only increase her friction surface, but have a dead drag, as the water will not be able to escape readily from under it. If we compare her power and immersed-midship section with those of some other armored ships, we find, she has not as much power as she ought to have, leaving her form out of consideration.

	Midship-section.	Engines 2 cyl
Dunderberg,	1450 square feet.	100 x 48 inches.
Warrior, (English)	1280 square feet.	112 x 72 inches.
Black Prince, (English)	1290 square feet.	112 x 72 inches.
Magenta & Solferino, (Fr.)	1220 square feet.	100 x 48 inches.
La Gloir, (French)	1115 square feet.	84 x 48 inches.
Don Juan, (Austria)	1180 square feet.	85 x 48 inches.
Ferdinand,	1150 square feet.	85 x 48 inches.

The fastest of these ships, the Warrior, made fourteen nautical miles at her official trial in Stokes bay; but on going in sea she never made over twelve and a half nautical miles neither did the Black Prince; these ships are entirely of iron. The French and Austrian ships being of wood; these latter ships never made over eleven nautical miles. The "Don Juan" and "Ferdinand" in going from the Adriatic to the German Ocean, in the late war with Denmark, never made more than that; the French ships not even coming up to this; and yet these ships have more favorable models for speed than the Dunderberg, (her model was necessary, in order not to make her draw too much water; all the above named ships draw from two to five feet, more water than the Dunderberg will).

The ship has room for another pair of such engines as she has now, with two propellers like the one she has now 21 feet diameter, 32 feet medium pitch, driven by two pairs of 100x48 inch engines, we might expect her to be not only the strongest but also the fastest war vessel. Supposing for a moment her present power would drive her at the rate of twelve miles an hour (which she will not reach) she would make nearly sixteen miles with her power doubled, and if she was to strike anything at that speed, the effect of her stroke would be equal to the effect of a cannon ball 10 feet 11 inches diameter, travelling with a velocity of 1500 feet per second. Two screws are an immense advantage in maneuvering a ship; it is to be pitied that this ship was not been designed for double the power, driving two screws.

Shortly after the battle in Hampton roads, the building of our present monitor fleet commenced, comprising four batches, distinguished by their size only. The first batch consists of nine vessels 200 feet long by 40 feet wide, 12 feet deep; they carry one turret each, containing one XV inch gun, and one 150 lb Parrott rifled gun. The second batch also consists of nine vessels 235 feet long, 45 feet wide and 13 feet deep, carrying one turret each, armed with two XV inch guns. The third batch comprises only four vessels, they are building at the different navy-yards and are built of wood, also of a somewhat larger size than the others; none of these are finished. The fourth batch comprises the so called light draft monitors; none of these are finished yet they are 225 feet long, 44 feet wide and 9 feet deep.

Besides these we have a fleet of twenty-one armored vessels on our western rivers, swelling our fleet of iron clads to 69 vessels of all classes, rating 77560 tons and carrying 216 of the heaviest guns in use. As regards the defensive power of these ships, they are all unquestionably superior, to anything built in Europe. The same must be said of their offensive power, as far as this term applies to their armament, but when applied to their speed, they are, with the exception of a few river steamers, greatly inferior to the European armored vessels the reason is, that all our ships have too small engines, for their size, a mistake which has not only been made in our armored vessels, but also in our wooden men-of-war built lately; our fastest war vessels being amongst those built before the outbreak of the rebellion.

New York. H. H.

What they Eat in France.—A London journal has an interesting article on the subject of human food as cooked in Paris, the city of epicures and luxury, and the revelations are certainly very startling. The article is based on the statements in the *Society of Arts Journal*. From the statements in the journal named, it appears that an establishment exists at Belleville, an outskirt of the French metropolis, for the special purpose of raising poultry. It consists of thirty acres of land, and is capable of accommodating 300,000 poulets at a time. The poulets are said to be divided into parties, according to their age, and each party has its yard and dormitory, and the food consists almost entirely of horse-flesh, supplied from a slaughter house adjoining the farm, and belonging to the same proprietor! This mode of feeding the poultry is kept a secret from a fear of offending popular prejudice; but the extent of the system may be inferred from the fact that the farm sends to market every week no less than 40,000 eggs, at 6d. per dozen. A little grain is given with the horse-flesh, and under this strange diet the hens lay all the year round, and the production of eggs is found to be more profitable than the sale of the chickens. No wonder the system is worked in secrecy, remembering how largely poultry enters into French cookery, and the fact of the omelette being flavored with horse-flesh would disgust all the gourmands in Paris. But to proceed. The hatching apparatus on the farm occupies the attention of fifty or sixty women, as under the stimulating effects of horse-flesh the hens will not cover their own eggs. At the end of four years the hens cease to lay; they are then fattened for three with bruised grain and sent to market alive. Nothing can exceed the care and calculation with which every department of this strange and revolting business is conducted. The blood of the horses is carefully saved, and fetches a good price; the hides go to the tanners; the beads and hoofs to the Prussian glue makers; the marrow to the perfumers; the large bones to the button-makers; the refuse is converted into manure—a most important product—and the flesh, as we have seen, is given to the poultry."

Drawing Iron.—When a bar of wrought iron is broken by a weight being placed upon it, it is supposed by many persons that the remaining parts are rendered weaker than they were before, on account of the strain to which they have been subjected. This is a mistaken idea. Such pieces of iron bars are generally stronger, according to their diameter, than they were before the bar was broken. The strain to which they have been subjected, by drawing the fibers closer together, increases their density, and, as a consequence, the strength of the metal. A wire of one-eighth of an inch in thickness is, *proportionably*, stronger than one twice the thickness, simply because its fibres are packed closer together by the operation of drawing.

Morning Air.—The Medical Journal says it is a common and favorite notion with many people that the morning air is the purest—most bracing—but the opposite is the fact. The air is full of dampness, fog, and miasm, at about sunrise, which the sun however, soon dissipates. Before engaging in anything like exercise or work in the early morning out of doors, it is conducive to health to take a warm cup of coffee, if breakfast is not to be had.

New and rich quartz diggings have been discovered at Silver City, in Idaho Territory.

NEW DEVELOPMENTS IN GRASS VALLEY.

We have elsewhere made some general notice of what is now doing in Grass Valley in the way of quartz mining. A visit to "New District," as it is called, has enabled us to collect the following facts with regard to what is now doing in that section. Our first stop was at the

Coe Co's Ground, or the old "Day Diggings," which were first worked in 1851, by Capt. Day, but not proved to any considerable depth, until recently. The claim consists of 3,000 feet, and is supposed to be an extension of the Eureka lead, owned by Mr. Jules Fricot, familiarly known here as the "Emperor." This ground has recently been purchased by Messrs. L. W. Coe, A. E. Davis and Joseph Woodworth of San Francisco, and Geo. D. Roberts of Grass Valley. These gentlemen are now erecting a steam pump, preparatory to putting down a deep shaft, and thoroughly opening the mine for extensive working. They will also erect a mill upon the vein. The rock at the point now reached by the shaft looks well, and the enterprise is regarded as one of almost certain success. A few months ago this claim was nearly valueless. The extraordinary success attendant upon the deep shaft sunk on the adjoining ground by Mr. Fricot, induced the proprietors to go a little deeper on with their old shaft, which has been attended with such encouraging results as to fully justify the erection of machinery.

Fricot & Co., next adjoining, worked their mine for several years above the water level, the rock paying but a trifle over the cost of mining and milling. The company recently put up a steam pump and went down about one hundred feet, where they commenced drifting and found the rock paid some three or four times as much as it did above the water line. Up to the present time they have hauled the rock some two miles to the French mill in Boston Ravine. They have now stopped hauling and are erecting a 20-stamp mill at the mine which will be in operation in a few weeks. They are still sinking their main shaft which is now about 200 feet deep. They have a large amount of ore on the surface ready for the mill, which will pay fully $40 to the ton on an average. Some of it will go nearly double that amount. This is now looked upon as one of the most valuable mines in the state.

Spring Hill, is a ledge running parallel to the Eureka, which has recently been purchased by Messrs. A. E. Head, a successful Washoe miner, Mr. Robert Morrill, of Nevada, and Mr. G. D. Roberts of Grass Valley. There are 1800 feet in the claim. The ledge is a very large one, has been worked for some two years on the surface, and has already been proved to be a valuable mine. The present proprietors intend working it thoroughly, and to do so will put up a steam pump, and as soon as the mine is properly opened will erect a mill.

The Whiting Grounds. The above parties have also purchased what is known as the "Whiting Grounds." This is on the same lead with Fricot & Co., and consists of a small claim of 300 feet, lying near the center of Fricot's ground. This is undoubtedly a valuable piece of ground. Work will soon be commenced upon it by the new proprietors.

The Idaho. Next east of Fricot & Co., and an extension of the same, is the "Idaho," owned by Messrs. Findley, Young, Coe and others, comprising 3000 feet on the vein, and extending quite across Wolf Creek, in the direction of Union Hill. This company have sunk a shaft about 40 feet near the creek, and have got the ledge, and an abundance of water, which prevents any further progress, until their steam pump can be put in operation. The company will soon be prepared to commence the work of developments in earnest.

At a point still further east, Mr. Maslin has commenced the sinking of a shaft upon what is undoubtedly a continuation of the same vein. The shaft is now down some forty feet and work was suspended for lack of funds. This company, which is made up of parties in Grass Valley and this city, will do well to go on with the work. Twenty feet more of sinking and a short side drift, perhaps will give them a very good idea of what they have got. The developments on this range are such as to fully warrant the expenditure of a much larger sum than is needed to complete the work indicated.

The next work of importance on this range is that undertaken by Messrs. G. D. Roberts and Henry Burdett, who are opening three parallel veins, on the banks of the creek, but a short distance below the site of the old Union Mill. These veins have been worked to some extent on the surface, and are found to carry much gold. Rich specimens are frequently found, and gold is seen almost everywhere in the rock. A very fine specimen was transfered from the pile to our pocket during the few moments we were examining it, in company with our friend Roberts, one of the proprietors. A tunnel has been commenced which will cut all three of the veins. They lay in a most favorable position for working; and can easily be drained to a great depth by a tunnel.

Union Hill. Beyond this point we came to the Old Union Hill mine, one of the earliest quartz locations in Grass Valley, and one which we first visited in the winter of 1851, at which time they were working a chili mill. But little has been done to this ground since that time, owing to the unpromising appearance of the surface rock. Recent explorations below the water line indicate that the mine will undoubtedly improve in depth. It has recently passed into the hands of Messrs. Findley, McCormick and Roberts, men of capital and energy who will soon put up steam machinery for pumping and hoisting, and proceed to a thorough development of the mine.

Mr. B. B. Layton, whose mill, near this ground, was recently destroyed by fire, is now re-constructing the same, and will soon be ready for crushing again. Mr. L. owns a good lead immediately adjoining his mill. He is one of the pioneer quartz men of Grass Valley, and is certainly deserving of the success which undoubtedly awaits his present enterprise.

The Lucky Company's ground is an entirely new development, and is located directly opposite the old Union Company's ground, and on the opposite side of the creek. Some six or eight hundred tons of rock have already been crushed from this mine, which has averaged about $35 per ton. We saw on Wednesday last, two large cakes of retorted gold at Findley's Banking house, which were worth about $4,500, the result of the previous week's crushing, of about 130 tons. The batteries were not cleaned up. Their contents would add materially to the above yield. The company has still some 400 tons at the mill, and are taking out some twelve tons per day, which quantity they will soon be able to double. This is one of the most important developments which has been made in that vicinity for a long time, and may be classed with the Allison Ranch and Massachusetts Hill, in point of value. The ledge is the largest in Grass Valley, and with a mill on the ground, the rock can be taken out and crushed for less than $10 per ton, with a full force of men constantly employed in drifting ahead with the dead work always necessary in keeping a mine in good working condition. The mine has been opened by two tunnels, one of which has followed the lead about 400 feet, and found it everywhere the same thing. The other is located about 800 feet distant from the first and has just cut the lead, which looks equally as well as in the upper tunnel. This rock averages about $25 per ton over all expenses. The proprietors are all steady, industrious and deserving men, and, their good fortune is a matter of rejoicing to all who know them.

The Merrimac Lead, owned by Findley, Scadden, Roberts & Co., is another important development recently made. It is located about three quarters of a mile north of the range of the mines above described. It was first opened several years ago, but worked only upon the surface, with varying and rather indifferent success, until quite recently, when the proprietors resolved to go deeper and see what they could find there. Their efforts were crowned with success; the rock was found to improve rapidly with depth, and the proprietors immediately set about erecting a mill, which will be in operation in about a month. They are now taking out rock from a depth of 100 feet, and will soon strike the vein in a still lower drift, some 200 feet from the surface, where they expect to find it still richer. Some 1500 tons have already been crushed from this mine, and some of the finest specimens taken out which are often met with. We have examined several fine ones at the banking house of Findley & Co.

We shall speak of some of the older mines of Grass Valley in our next.

Copper in the Sea.—Two French chemists some few years since demonstrated that the ocean obtained a notable portion of silver. Subsequently these and other philosophers have again been at work upon the same subject. They tell us that, calculating the whole ocean, it cannot contain less than two millions of tons of silver in solution. The truth of this statement is verified by experiments tried at various parts of the world—one more famous than the rest by Mr. Field, an English chemist, who lives at Coquimbo, in Chili. The water be analyzed was taken from the Pacific Ocean, and afforded the same result as that which the French chemist obtained from water taken off St. Malo, France, in the English Channel. That the ocean should contain minute portions of every substance of the globe that is soluble in saline water is not surprising; therefore we are, in a measure, prepared for the further discovery that the "old greybeard," ocean, contains also an enormous quantity of copper—a fact recently proved in the laboratory of a London contributor, Mr. Septimus Piesse. The beautiful blue color of portions of the Mediterranean Sea is due, he says, to an ammoniacal salt of copper, while the greenness of other seas is owing to the chloride of copper. The method of extracting silver from the sea is one of simple affinity. Granulated copper being suspended in the "briny waves," any silver salt that is contained therein is decomposed, a portion of the copper is dissolved, and the silver is precipitated thereon, from which it is afterwards parted by the usual means adopted in every laboratory. By a happy analogy, Mr. Piesse separated copper from the sea by the same process. His experiments were performed between the ports of Marseilles, on the French Mediterranean coast, and Nice, in Sardinia. A bag of nails and scrap iron was suspended at the side of the steamer which plies between these places, and after the first voyage (about twelve hours), copper was indicated to be present on the iron. Four separate voyages, however, were made before the bag of iron was removed to the laboratory; then the quantity of copper was found to be so great that much surprise was shown that the presence of this metal had not been previously discovered, especially when the action of sea water on ships' bottoms has long been known.

Dividends.—The Empire Mill & Mining Company have declared a dividend of twenty-five dollars per share, payable on the fifth instant.

The Savage Company have also declared a dividend of seventy-five dollars per share, payable also on the fifth. These dividends would seem to be conclusive evidence of prosperity on the part of those companies.

Science among the Japanese.—M. Von Siebold, the distinguished scientific author, states that the knowledge of the natural sciences amongst the Japanese is much more extensive and profound than is generally supposed. They possess a great many learned treatises thereupon, and an admirable geological map of their island by Buntsjo. They are well acquainted with the systems of European naturalists, and have translations of the more important of their works. They have also a botanical dictionary, in which an account is given of not fewer than 5,300 objects, and is embellished with numerous fine engravings.

Correspondence from Esmeralda.

Aurora, Oct. 25th, 1864.

Editors Press:—You have doubtless been imposed upon by some itinerating ninny, signing himself "J. S. Miller," for upon diligent inquiry, by several citizens of this place, no person of that name has yet been found, besides, whether a resident or an emigrant, he has displayed his lamentable ignorance of the topography of this district, by placing the Juniata claim on Last Chance Hill, whereas it is located on Martinez Hill, fully one mile distant from the leading claims on Last Chance.

He also pronounces Middle Hill the rich one of the district, and places all the claims of Silver Hill upon it, two feats requiring extraordinary strength of imagination and muscle, for if the former is so very rich as to "bring fame and wealth to Esmeralda," there are many who, with their own optics, have failed to see it, and as for the Oxford Beta Tunnel, the Silver Hill, Winnemuca, Esmeralda, Utah, *not Eutaw*, (which by the way never has been superintended by Wm. Davis, as he alleges,) Iowa, Antelope, Young America, and others, are as anybody with a spoonful of brains, that ever visited Aurora, knows are located on Silver Hill. So far as concerns his dirty fling at the Superintendents, who it seems are too clean to meet with his approbation, I can only say that for competency, sobriety and attention to business, they will compare favorably with any other locality, with few exceptions. Upon the whole, the Superintendents seem to give satisfaction to their officers, and the stockholders, and are held in estimation by this community, who regret very much that the Press should unintentionally become the medium of misrepresentation of our interests, by a dirty Miller, that has fluttered around the bright blaze of his own genius, until he has become too blear eyed to see things in their proper light. Justo.

Reward.—As we were evidently "sold" by "J. S. Miller," we offer a *suitable* reward, (and as much of it as he can carry) for his "apprehension and conviction." We thought the aforesaid Miller was a subscriber, but upon "strict search" observe that our patron rejoices in different initials from his.—[Eds. Press.

Sulphur.—This mineral product is the key which opens the door to chemical manufactures. From it we make sulphuric acid (oil of vitriol), and without sulphuric acid many of the largest factories would cease to exist. By its aid we are enabled to produce so many substances, that the bare mention of them would fill quite a large journal. Bleaching, dyeing, soda-making, metal-refining, electro-telegraphing, electro-plating, &c., are primarily indebted to this acid. Many of the most valued medicines could not be made without it, such as ether, calomel, &c. Sulphur being the chief ingredient of gunpowder, modern warfare could not go on comfortably without it. A people that does not possess lucifer matches stands beyond the pale of civilization, yet matches cannot be made without sulphur; not because matches are dipped into melted brimstone before they are "tipped" with the phosphoric composition which ignites them, but because this very material could not be made without the indirect use of sulphur. In England 60,000 tons of sulphur are annually, consumed the most of which is imported from the volcanic regions of Sicily.

Gold Quartz Crushing in Siberia.—The gold mines of Siberia employ 40,000 workmen, producing about 1,500 pounds of, gold, valued at about $15,000,000. The process in use for working were until recently very costly, and the Government mines did not by any means produce the profits which might be expected. It was the same with the private workings. In some parts of Siberia many mines have been given up, because the yield would not cover the expenses. This state of things has for some time past occupied the attention of the Government, but until recently no remedy could be found. Lately however a Russian subject, who has been for several years in California, has introduced new and improved machinery which has so simplified and improved the process of working, both in placer and quartz mines, that the 40,000 workmen are now producing about double the amount of gold formerly realised.

The Hale & Norcross Mine.

The editor of the Virginia City *Union* recently visited the above mentioned claim on the Comstock ledge, and was shown through the works and mine by Chas. L. Peck, the efficient and gentlemanly Superintendent, and furnished by him with all necessary information and complete statistics in regard to the whole institution. The strength and capacity of the Hale & Norcross Mining Company's hoisting and pumping machinery is nearly double that of any works of similar character in Nevada Territory. The size of the main building, containing the machinery and surface of extraction shaft, is 40x72 feet; carpenter's shop, 32x45; boiler house, 21x40; blacksmith shop, 20x30; storeroom, coal house, office and outbuilding of sufficient size to correspond with main building. Hight of main building between posts, 24 feet; hight to top of ventilator or tower, 44 feet. The frame is put up in the most substantial manner with heavy timbers; the roof is formed of double intersecting trasses, equal, if not superior, in strength to any on the Pacific coast of corresponding dimensions, and has been, and will be, of infinite use and benefit in attachment of block and tackle to its staunch girts, when necessary to handle or move any portion of the heavy machinery in different parts of the building. The machinery is driven by two separate engines—one for pumping and the other for hoisting. The pumping engine has a 20-inch cylinder and 4-foot stroke, equal to 100-horse power. The hoisting engine has a 14-inch cylinder, 2½-feet stroke, equal to about 50-horse power. The boilers, of which there are two, are tubular—length of each, 16 feet; diameter, 52 inches, and contain, each, 37 4-inch tubes. They have stop-valves, adjusted so that one or both boilers can be used for either or both engines, thus saving fuel when practicable. The boilers are set in brick masonry; walls, 22 inches in thickness, in the most workmanlike and substantial manner. Connected with them is the usual steam-drum, and a large heater. The pump is of 10-horse power, worked with a bob, spur-wheel and pinion, at the surface, with the help of another bob, at the drainage level, 310 feet below the surface of shaft. The suction is set at a depth of 560 feet in the pump apartment of the shaft. Thus the hight of the column of water raised at present is about 250 feet. All sills, serving as pillar-blocks, engine-beds, foundation for bob, and everything else requiring strength and strain, are securely anchored with heavy iron bolts and straps in solid stone masonry, to a depth of from 10 to 13 feet below the surface. In fact, from the extraction shaft (which is in the front end of the building, throughout to the back end of the same) under the surface, there is almost a solid mass of heavy stone masonry, thus giving the works above a strength and solidity which will withstand the most immense strain and the test of ages. The engine frames are capped neatly with cut granite blocks, 12 inches in thickness, and the weight of the stone masonry underneath this granite, computed by measurement, is 380,000 pounds or 190 tons. The cross timbers, sills, etc., under the other machinery, are bolted down to masonry, with 1¼-inch bolts. The reels are the heaviest and most substantial ever brought to the Territory, weighing nearly 5,000 pounds each. All shafting throughout the entire machinery is made of the best of wrought iron. Distance of reels from extraction shaft is 49 feet; hight of shieves, carrying shaft-rope, 26 feet from surface of shaft. The hoisting frame is built upon an entirely new principle, different from anything of the kind before constructed in this Territory. It is made entirely of light timbers, blocked apart and securely bolted. Its strength in any direction is double that of any on the Pacific coast, constructed with timbers of anything near the same dimensions. Width, 16 feet; hight from surface of extraction shaft, 29 feet. The pump bob is built of heavy timbers, iron-capped, braced and bolted in the same solid manner, and is capable of sustaining 100,000 pounds, with entire safety. The weight of the column of water it is now raising is about eight tons. The pump-rods are seven inches square, joined with double-locked splices, strapped with 6-foot iron straps and bolted with square bolts. We also noticed a neat and secure powder vault, ingeniously contrived and excavated in the high bank at the rear of the main building. Also, inside of the building, supported by the heavy upper girts of the roof, is a large tank or reservoir for the feed pumps of both engines. This reservoir is supplied from the Virginia and Gold Hill Water Co.'s ditch through another reservoir on the hill above the works. The engines and machinery were constructed at Goddard & Co.'s Pacific Foundry, San Francisco; the carpenter work by Isaac F. Thompson; the blacksmith work by Wm. Cornelius; the mason work by Geo. Chatterly & Co.; the erecting and adjusting of machinery by Wm. Smith (present engineer of the works) and James Floyd, all of Virginia, N. T. The main shaft of the mine is 565 feet in depth, and is divided into three compartments, each being four feet square in the clear. The lower level is 545 feet from the top of the shaft, and here considerable bodies of water have been encountered, temporarily impeding the mining operations; 45 feet above this is the 500-foot level, a neat and well curbed air-shaft connecting the two, and creating a fine current of air. In this last mentioned level, at a distance of about 75 feet from the main shaft, the company have just cut through into the outskirts of the great Comstock ledge, and already find some very promising looking ore, and in a short time will probably strike into the main body of the ledge. Their prospects are of the most flattering order. There are four principal levels, from the upper one of which much good pay ore has been taken, but the company are intent upon finding something better. From the bottom of the shaft, by means of the big pump, the water is raised to the 300-foot level, which connects with the North Potosi level, and through which the water is discharged down Six-Mile Cañon. About the works and mine are employed some 35 men, those in the mine working eight-hour shifts, and those above ground twelve-hour shifts. The whole of the machinery and powerful pumping apparatus works with the quietness and regularity of clockwork, and the Hale & Norcross institution generally is ably and well conducted, and is a credit to this or any other country.

Fire, and the Origin of Fire-Works.

Fire-works were not known to antiquity. It is certainly a modern invention. If ever the ancients employed fires at their festivals, it was only for religious purposes.

Fire, in primeval ages, was a symbol of respect, or an instrument of terror. In both these ways God manifested himself to man. In the holy writings he compares himself sometimes to an ardent fire, to display his holiness his purity; sometimes he renders himself visible under the form of a burning bush, to express himself to be as formidable as a devouring fire: again, he rains sulphur; and often, before he speaks, he attracts the attention of the multitude by flashes of lightning.

Fire was worshipped as a divinity by several Idolaters; the Platonists confounded it with the heavens, and considered it as the divine intelligence. Sometimes it is a symbol of majesty. God walked (if we may so express ourselves) with his people, preceded by a pillar of fire; and the monarchs of Asia, according to Herodotus, commanded that such ensigns of their majesty should be carried before them. These fires, according to Quintus Curtius, were considered as holy and eternal, and were carried at the head of their armies on little alters of silver, in the midst of the magi who accompanied them and sang their hymns.

Fire was also a symbol of majesty amongst the Romans; and if it was used by them in their festivals, it was rather employed for the ceremonies of religion than for a peculiar mark of their rejoicings. Fire was always held to be most proper and holy for sacrifices; in this the Pagans imitated the Hebrews. The fire so carefully preserved by the Vestals was probably an imitation of that which fell from heaven on the victim offered by Aaron, and long afterwards religiously kept up by the priests. Servius, one of the seven kings of Rome, commanded a great fire of straw to be kindled in the public place of every town in Italy to consecrate for repose a certain day in seed-time, or sowing.

The Greeks lighted lamps at a certain feast held in honor of Minerva, who gave them oil; of Vulcan, who was the inventor of lamps; and of Prometheus, who had readered them service by the fire which he had stolen from heaven. Another feast to Bacchus was celebrated by a grand nocturnal illumination. In which wine was poured forth profusely to all passengers. A feast in memory of Ceres, who sought so long in the darkness of hell for her daughter, was kept by burning a number of torches.

Great illuminations were made in various other meetings; particularly in the Secular Games, which lasted three whole nights; and so carefully were they kept up, that these nights had no darkness.

In all their rejoicings the ancients indeed used fires, but they were intended merely to burn their sacrifices, and which, as the generality of them were performed at night, the illuminations served to give light to the ceremonies.

Artificial fires were indeed frequently used by them, but not in public rejoicings; like us, they employed them for military purposes; but we use them likewise successfully for our decorations and amusement.

From the latest times of paganism to the early ages of Christianity, we can but rarely quote instances of fire lighted up for other purposes, in a public form, than for the ceremonies of religion; illuminations were made at the baptism of priaces, as a symbol of that life of light in which they were going to enter by faith; or at the tombs of martyrs, to light them during the watchings of the night. All these were abolished from the various abuses they introduced.

We only trace the rise of *feux de joie*, or fire works, given merely for amusing spectacles to delight the eye, to the epoch of the invention of powder and cannon, at the close of the thirteenth century. It was these two inventions, doubtless, whose effects furnished the idea of all those machines and artifices which form the charms of these fires.

To the Florentines and the Sienneze are we indebted not only for the preparation of powder with other ingredients to amuse the eyes, but also for the invention of elevated machines and decorations adapted to augment the pleasure of the spectacle. They began their attempts at the feasts of Saint John the Baptist and the Assumption, on wooden edifices, which they adorned with painted statues, from whose mouth and eyes issued a beautiful fire. Callot has engraven numerous specimens of the pageants, triumphs, and processions, under a great variety of grotesque forms; dragons, swans, eagles, &c., which were built up large enough to carry many persons, while they vomited forth the most amusing fire-work.

This use passed from Florence to Rome, where, at the creation of the popes, they displayed illuminations of handgreaadoes, thrown from the hight of a castle. *Pyrotechnics* from that time have become an art, which, in the degree the inventors have displayed ability in combining the powers of architecture, sculpture, and painting, have produced a number of beautiful effects, which even give pleasure to those who read the descriptions without having beheld them.

History and Use of Butter, and Analysis of Milk.

If you pay a little attention, gentle reader, to what we are about to say, you will be informed that, if not butter, *fat* is, at all events, for some period, if not all of your life, a matter which presses heavily upon your noble soul. You need fat to lubricate the wheels of your business in this world, more particularly when you desire to go ahead. A fat job, or a fat salary, or fat offices, fat subscribers, fat customers, fat pew holders, or a wife with a fat dowry, or a husband with a fat income—in short, *fat* is the object for which you are struggling and striving in this sublunary world.

"Give us this day our daily bread," is only humbly uttered in our daily prayer; but give us our daily bread with *butter*—and a good deal of butter, too—is silently, warmly, and devoutly, the heartfelt wish and the full sense of the prayer. Look and examine even a certain species of sensible men, who make fools of themselves to be considered by greater fools as great men—and why? because they want, besides their daily bread, *butter*, and nothing else. In future, butter is, perhaps, destined to be still more in demand. Let us tell you that a Frenchman invented and patented a process to make from fat or oil, by great heat, an elastic stuff like India rubber, which he calls an "oilic gum elastic." Perhaps some other talented inventor will make this substance transparent, and then it can be used instead of glass or crystal, so that it will not be very wonderful to have a linseed oil or "orange" butter palace. Don't laugh, gentle reader, but remember that there are busts and large columns and windows of soap, and columns and statues of stearine (that is, soft lard hardened by a chemical process,) made in our day.

These, however are only speculations for the future; let us look rather to the past and present of the use of butter, which is interesting enough when we take into consideration that we eat it about three times a day. Milk, no doubt, was one of the first articles of food used by man; and cows, goats, and sheep, were domesticated on that account. It is to be wondered at that butter came so very late into general use. Milk being only a mixed substance of butter, cheese, and whey, it soon curdles, without artificial means, as is well known—the oily parts forcing their way upwards, and forming cream, and as soon as that is going on, the cheesy parts settle on the bottom, the whey remaining in the middle.

As general as is the use of butter now all over the world, the ancients knew but little of it. Chamea, of the Bible, was formerly understood to be butter; but as it is spoken of as a fluid, chamea could no nothing else than cream—so it is confirmed by glossologists. Herodotus mentions that the Scythians used milk of horses, which was tossed by their slaves, and then they found that part on the surface more palatable than that on the bottom. Hypocrates also speaks of this practice of the Scythians. Aristotle alludes to the use of milk and cheese but not to butter. According to Plutarch butter was used to make a salve—which is still the case, as well in Asia as in Africa—which medical application is confirmed by Dioscorides and Galenus.

Butter as food was, however, well known to the Teutons, and Plinius and Tacitus describe their methods of making butter and cheese; and it is very probable that the Greeks learned to use butter from the Scythians, as the Romans from the Teutons. In the South of Europe, olive oil was in more general use, as it is yet in Italy, France, Spain, and Portugal, and butter only for medical purposes. Of course, not much pains were taken to preserve butter, and to make it solid. It was used in a fluid state, and Athenæus calls it milk oil.

Many improvements have been made in this country, in the making of this important article of domestic economy, both in the quality of its yield, and in its color and flavor—the color preferred both here and in England being a rich, golden yellow, while in France and Germany a white, lard-like appearance, with a particular flavor, is demanded.

The importance of the products above noted may be judged, when we state that the whole amount of butter produced in the United Sates in the past year is estimated at five hundred and fourteen millions of pounds, and is valued at eighty-two and three-quarter millions of dollars; while its associate articles of cheese and milk were valued at eight and a quarter millions of dollars for the former, and eleven and a half millions of dollars for the latter—the total amount of cheese produced being estimated at one hundred and seventy-three millions of pounds; of which quantity, forty millions of pounds is estimated to have passed through Albany, N. Y. In addition to the large amount of butter and cheese consumed in this country, they formed an article of export, in 1855, to foreign countries, of the value of about one and a half millions of dollars. The production of butter and cheese is, of course, dependent on the food of the cows, and the consequent richness of the milk—the proportion of the former (both cow and food being of the best quality) being about two hundred pounds, and that of the latter from three hundred and fifty to five hundred pounds annually.

In Europe, Holland and Hungary, Germany, Ireland, and Switzerland, are the largest butter producers.

Analysis of Milk.

Milk	Cream	Butter	3	
		Casein	5	
	Skim Milk	Water	87	91. Whey
		Sugar of Milk	4	
		Chloride Soda and Potash	½	Salts.
		Bone Earth	½	
		Free Soda	½	

The Rind of Fruit Indigestible.—This applies to all fruit, without exception, and includes also the pellicle or skin of kernels and nuts of all kinds. The edible part of fruit is particularly delicate, and liable to decomposition if exposed to the atmosphere; it is, therefore, a provision of nature to place a strong and impervious coating over it, as a protection against accident, and to prevent insect enemies from destroying the seed within. The skin of all the plum tribe is wonderfully strong, compared with its substance, and resists the action of water and many solvents in a remarkable manner. If not thoroughly masticated before taken into the stomach, the rind of plums is rarely, if ever, dissolved by the gastric juice. In some cases, pieces of it adhere to the coats of the stomach, tho same as wet paper clings to anything, causing sickness and other inconveniences. Dried raisins and currents are particularly included in these remarks, showing the best reasons for placing the fruit upon the chopping-board with the suet in making a pudding of them; for if a dried currant passes into the stomach whole, it is never digested at all. When horses eat oats or beans that have not been through a crushing-mill, much of this food is swallowed whole, and in this state, being perfectly indigestible, the husk or pellicle resisting the power of the stomach, there is so much loss to nutrition. Birds, being destitute of teeth, are provided with the apparatus for grinding their seed, namely, the gizzard, through which the seed passes, and is crushed prior to digestion. The peelings of apples and pears should always be cast away. Oranges we need not mention, as this is always done. Orleans, greengages, damsons, and all plums, should be carefully skinned if eaten raw, and if put into tarts, they should be crushed before cooking. Nuts are as indigestible as we could desire, if the brown skin be not removed or blanched, as almonds are generally treated.

Septimus Piesse.

Beautiful Extract.—When the summer of youth is slowly wasting into the nightfall of age, and the shadows of tho past years grow deeper and deeper, and if life were on its close, it is pleasant to look back through the vista of time upon the sorrows and felicities of years. If we have a home to shelter and hearts to rejoice with us, and friends have been gathered together by our firesides, then the rough places of our wayfaring will have been worn and smoothed away in the twilight of life, while the sunny spots we have passed through will grow brighter and more beautiful. Happy, indeed, are those whose intercourse with the world has not changed the tone of their holier feelings, or broken those musical chords of the heart whose vibrations are so melodious, so touching in the evening of age.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Nov. 5th, 1864.

Transactions at the Board this week have been confined to some leading stocks and a few speculative shares. Nearly all first-class stocks have improved, and are well sustained at the advance. The aggregate yield of these mines for the past month proves to be larger than was anticipated, and is regarded as a favorable augury for the future. Developments continue to be flattering, and at no former period during the last six months have a number of claims on the Comstock given such tangible evidences of value. Of Gold Hill proper, and also of ground south of this locality, reliable Washoe advices speak enthusiastically, and some predict a handsome revenue from these mines for a long time to come. Speculative shares have been dealt in, at variable rates, since Saturday last.

The receipts of bullion from the interior and northern coast during the past ten days have been unusually large and exceed *twenty-three hundred thousand dollars*. This is a gratifying exhibit, and shows the unabated productiveness and value of the leading interest of the people of this coast.

Savage has been inactive, but advanced from $1,900 to $1,975, buyer 30, and was held at the close at $1,950. A dividend of $75 per foot will be disbursed to the stockholders, to-day, for the month of October. A considerable surplus remains to the credit of the company after the payment of this dividend. The mine is said to be looking very well.

Gould & Curry declined from $1,620 to $1,405, rallied to $1,450, receded to $1,400, seller's option 30 days, and closed at $1,435 bid, $1,440 asked. A dividend of $50 per foot is payable to-day ont of the net earnings of the past month. 35 feet have changed hands.

Chollar rose to $1,100, buyer 30 days, receded to $1,000, and was sold yesterday at $1,100, buyer 30. Sixteen feet were sold at these rates. The actual yield of the mine for the month of October exeeeds $115,000, which, when received, will cancel all the liabilities of the eompany, and enable them to henceforth apply their net revenne to a dividend fund. The product of this claim for the current month will, it is thought, be largely augmented. The lode in the south mine continues to increase in length as its development progresses, and some good ore has been met with in the fifth level of the north mine.

Yellow Jacket has been in good request and steadily advanced from $865 to $1,050, buyers option, and closing at about $1,000. Large sales were made, and 35 feet changed hands. The present condition of this mine is represented as being quite promising. A large body of pay metal has been disclosed recently. Second class ores are averaging about $60 per ton, and the debt of the company will be materially curtailed the ensuing month.

Crown Point advanced to $660 per foot and sales have been reported "between boards" at $750. The yield of this claim for October amounted to $25,000 and, after the disbursement of considerable sums for the exigencies of the winter, a surplus balance of some $6,000 remains at the credit of the company. A transfer office has been opened on Wall street for the benefit of Eastern parties, who now hold one fifth of this stock. The lode at a depth of 200 feet shows three distinct pay veins, from six to twelve feet in thickness. The Crown Point and the Marysville Mills are crushing some 20 tons of ore per day.

Hale & Norcross has been actively dealt in and 50 feet were sold receding from $545 to $525, advancing to $560, and selling yesterday at $540. In drifting from the 500 feet level, promising ore has been found and it is thought that further to the southeast a heavy and concentrated body of metal will be reached.

Ophir has also been largely dealt in, 73 feet changing hands; opening at $430, declining to $400, advancing to $420 and closing at $418. The new mill is at work about half of the time, owing to a lack of water (its full capacity is 20 tons per day,) and is reducing ore which yields about $45 per ton. The company have some 2000 tons of this class of ore on hand at their mine, are out of debt, with a surplus in Bank of about $12,000.

Best & Belcher has revived again and eight shares were sold at $300 per foot.

Uncle Sam declined from $220 to $190 and $180, at which rates 10 shares were sold, and Overman rose from $150 to $165, and declined to $145, some 70 feet changing hands. Our previous statement respecting the consolidation of these two companies was substantially correct.

Imperial has met with but trifling sales at $155 and $157 per share. The receipts of bullion from this claim for the month of October amounted to $88,500. After the payment of the dividend of $7½ per share a surplus of $12,000 will remain in the treasury. Mr. P. S. Buckminster has been appointed Superintendent of the Company. The Rock Point mill is now running 40 stamps and will employ 16 additional on the 10th inst. The introduction of steam power will, it is believed, obviate any further difficulty from low water in the Carson. Outside mills are to be dispensed with next week.

Burning Moscow has been subjected to violent fluctuations and was actively dealt in. Some 3000 shares have changed hands, declining steadily from $58 to $20 and selling at the close at about $35. Recent advices are said to be less favorable.

Bullion declined from $155 buyer 30, to $143, rose to $160 buyers option, and sold yesterday at $140. Some 280 shares were sold within this range.

Nevada (J. G.) declined from $32 to $27½, seller 30, but has since risen to $31@32. One hundred and sixty-five shares were sold at these rates.

Sierra Nevada declined from $65 to $47½; Real del Monte from $28½ to $23, and Antelope from $80 to $70.

Sheba rose to $75, buyer 30, and closed at about $53. A shipment of some $4,000 was received this week from the mine.

Wide West fell from $27 to $25 and rose to $26. The absence of water is interfering with the operations of the mill. Utah was sold at $12½.

Josephine (Coso) was sold to the extent of 430 shares, at from $4½ to $6, closing at $5½. The financial prospects of this company are assuming a more satisfactory shape.

Burnside was sold at $5@5½; Bajazet & Golden Era at $16@17; Buckeye at $6¼; Caledonia Tunnel, $9½@10; Green (G. H.) at $8.

The aggregate sales of stock since Saturday last amonnt to $386,120

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, October 29.

1 sh Savage at 1900 per foot.
1 sh Savage at 1900 per foot, r w.
5 shs Savage at 1900 per foot, b 10.
3 shs Uncle Sam at 220 per share.
8 shs Hale & Norcross 545 per foot.
2 shs Hale & Norcross at 545 per foot, r w.
2 shs Hale & Norcross at 540 per foot.
4 shs Hale & Norcross at 540 per foot, r w.
16 shs Gould & Curry at 1620 per foot.
5 Overman at 150 per foot.
10 shs Overman at 157½ per foot.
5 shs Sierra Nevada at 65 per share.
50 shs Caledonia Tunnel at 10 per share.
5 shs Wide West at 27 per share.
10 shs Burning Moscow at 58 per share, r w.
20 shs Burning Moscow at 60 per share, b 30.
15 shs Burning Moscow at 56 per share, r w.
40 shs Burning Moscow at 55 per share.
20 shs Burning Moscow at 54 per share, r w.
20 shs Burning Moscow at 53 per share, r w.
10 shs Burning Moscow at 54½ per share, r w.
40 shs Burning Moscow at 55 per share, r w.
15 shs Burning Moscow at 54 per share.
10 shs Burning Moscow at 55 per share, b 5.
110 shs Burning Moscow at 50 per share, s 30.
5 shs Burning Moscow at 54½ per share.
35 shs Lady Bryan at 6 per share.
5 shs Antelope at 80 per share.
10 shs Bullion, G. H., at 140 per share.
10 shs Nevada, J. G. at 30 per share, s 30.
10 shs Nevada, J. G., at 32 per share, s 20.
10 shs Nevada J. G., at 29 per share, s 30.
20 shs Nevada, J. G., at 28 per share, s 30.
10 shs Nevada J. G., at 27½ per share, s 30.
20 shs Sierra Nevada at 61 per share.
10 shs Real del Monte at 28 per share.
10 shs Real del Monte at 28½ per share.
10 shs Michigan at 12 per share, r w.
30 shs Pacific Insurance Co at 117 per cent.

AFTERNOON SESSION.

1 sh Yellow Jacket at 870 per foot.
1 sh Yellow Jacket at 865 per foot.
120 shs Ophir at 430 per foot, b 30.
120 shs Ophir at 415 per foot.
48 shs Ophir at 430 per foot, b 30.
7 shs Bullion, G H., 145 per share.
5 shs Bullion, G. H., at 155 per share, b 30.
10 shs Bullion, G. H., at 140 per share, s 3.
25 shs Bullion, G. H., at 135 per share, s 3.
5 shs Bullion, G. H., at 135 per share, s 5.
20 shs Burning Moscow at 51 per share.
10 shs Burning Moscow at 50 per share.
20 shs Burning Moscow at 50 per share, r w.
10 shs Burning Moscow at 51 per share, b 10.
10 shs Burning Moscow at 49 per share.
35 shs Burning Moscow at 48 per share.
30 shs Burning Moscow at 51 per share, b 30.
110 shs Burning Moscow at 47 per share.
20 shs Burning Moscow at 45 per share, s 30.
10 shs Burning Moscow at 47½ per share.
20 shs Burning Moscow at 51½ per share, b 30.
20 shs Burning Moscow at 52 per share, b 30.
30 shs Burning Moscow at 46 per share, s 10.
10 shs Burning Moscow at 46 per share, s 30.
10 shs Green, G. H., at 7¼ per share.
10 shs Green, G. H., at 7½ per share.
20 shs Green, G. H., at 8 per share.
22 shs Burnside at 5 per share.
Amount of sales.....$86,850 00

Monday, October 31.

4 shs Gould & Curry at 1625 per foot, b 30.
4 shs Gould & Curry at 1600 per foot, r w.
5 shs Yellow Jacket at 880 per foot.
163 hs Hale & Norcross at 545 per foot.
25 shs Sheba at 65 per foot.
2 Crown Point at 660 per foot.
28 shs Overman at 165 per foot.
20 shs Burning Moscow at 47 per share, r w.
60 shs Burning Moscow at 47 per share.
40 shs Burning Moscow at 46½ per share.
10 shs Burning Moscow at 47½ per share.
25 shs Burning Moscow at 48½ per share.
10 shs Burning Moscow at 48½ per share, r w.
10 shs Burning Moscow at 49 per share.
10 shs Burning Moscow at 54 per share, b 30.
5 shs Burning Moscow at 51 per share, b 30.
55 shs Burning Moscow at 48 per share.
27 shs Caledonia Tunnel at 10 per share.
10 shs Josephine, Coso, at 4½ per foot.
55 shs Burnside at 5 per share.
15 shs Wide West at 27 per share.
10 shs Nevada, J. G., at 27 per share.
10 shs Buckeye at 6¼ per share.
35 shs Lady Bryan at 6 per share.
100 shs Blue Ledge at 95c per share.
35 shs Blue Ledge at 1 per share.
9½ shs Green, G. H., at 7½ per share.
2 shs Bullion, G. H., at 143 per share.

AFTERNOON SESSION.

24 shs Ophir at 430 per foot, 30 ds.
24 shs Ophir at 420 per foot.
8 shs Hale & Norcross at 545 per foot.
4 shs Hale & Norcross at 545 per foot, r w.
1 sh Yellow Jacket at 880 per foot, s 60.
14 shs Overman at 165 per foot.
1 sh Savage at 1900 per foot.
1 sh Uncle Sam at 200 per foot.
15 shs Antelope at 75 per share.
50 shs Utah at 12½ per share.
1 sh Wide West at 26 per share.
10 shs Nevada, J. G., at 33 per share, s 30.
20 shs Burnside at 5 per share.
15 shs Burning Moscow at 47½ per share.
5 shs Burning Moscow at 48 per share.
20 shs Burning Moscow at 47 per share.
42 shs Blue Ledge at 1 per share.
$10,000 Legal Tender Notes at 48 per cent, s 30.
$ 5,000 Legal Tender Notes at 48¾ per cent.
Amount of sales.....$47,278 00

Tuesday, November 1.

2 shs Hale & Norcross at 540 per foot.
12 shs Hale & Norcross at 535 per foot.
12 shs Ophir at 415 per foot.
72 shs Ophir at 410 per foot.
36 shs Ophir at 410 per foot, r w.
24 shs Ophir at 435 per foot, b 30.
36 shs Ophir at 405 per foot.
48 shs Ophir at 400 per foot.
4 shs Gould & Curry at 1575 per foot.
8 shs Gould & Curry at 1575 per foot.
4 shs Gould & Curry at 1600 per foot, 30 d.
5 shs Overman at 165 per share.
10 shs Sheba at 70 per foot.
20 shs Sheba at 69 per foot.
20 shs Sheba at 75 per foot, b 30.
12 shs Chollar at 1050 per foot, b 30.
8 shs Chollar at 1100 per foot, b 30.
6 shs Bajazet & Golden Era at 15 per share.
65 shs Bullion, G. H., at 145 per share.
10 shs Josephine, Copper, at 4½ per share.
20 shs Josephine, Coso, at 5 per share.
20 shs Wide West at 26 per share, 30 ds.
10 shs Nevada, J. G., at 32 per share, s 30.
5 shs Nevada, J. G., at 35 per share, r w.
10 shs Nevada, J. G. at 34½ per share.
10 shs Buckeye at 6¾ per share.
5 shs Baltic at 20 per share.
10 shs Burning Moscow at 45 per share.
9 shs Burning Moscow at 44 per share, b 3.
20 shs Burning Moscow at 43 per share, s 20.
10 shs Burning Moscow at 44 per share, r w.
30 shs Burning Moscow at 42 per share, r w.
10 shs Burning Moscow at 41 per share, r w.
20 shs Burning Moscow at 40 per share.
40 shs Burning Moscow at 40 per share, r w.
24 shs Burning Moscow at 39 per share.
65 shs Burning Moscow at 38 per share.
70 shs Burning Moscow at 38 per share, r w.
90 shs Burning Moscow at 40 per share, 30 d.
10 shs Burning Moscow at 41 per share, b 30.
10 shs Burning Moscow at 42 per share, b 30.
10 shs Burning Moscow at 39 per share, r w.
60 shs Burning Moscow at 38½ per share, r w.
10 shs Burning Moscow at 37½ per share.
20 shs Burning Moscow at 41 per share, b 30.
$ 5,000 Legal Tender Notes at 48 per cent.

AFTERNOON SESSION.

36 shs Ophir at 425 per foot.
30 shs Sheba at 65 per foot.
1 sh Yellow Jacket at 10 0 per foot, b 30.
9 shs Yellow Jacket at 970 per foot.
4 shs Gould & Curry at 1650 per foot.
8 shs Gould & Curry at 1620 per foot.
24 shs Gould & Curry at 1500 per foot, s 30.
6 shs Hale & Norcross at 525 per foot.
8 shs Chollar at 1035 per foot.
2 shs Savage at 1975 per foot, b 30.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct	U. S. Treasury	1864	
Legal Tender Notes	45	46					
California State Boods, 7s, 1857	75	77	3,620,500			1867	
San Francisco Bonds, 10s, 1851		100	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Fraocisco City and County Bonds, 6s, 1858	61	63	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1860	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	71	75	300,000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s	44	50	440,000				
Marysville Boods, 10s	75	85					
Stockton City Bonds	—	—	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME.	Bid.	Asked.	No. of Shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	72	75	2,500	$1,000		2 ₱ ct. ₱ month on capital stock.	Dividend of 3 ₱ ct. paid Oct. 15.
State Telegraph Co	37	39	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	—	80	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ anoum on capital stock	
San Francisco City Water Works	—	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	42	48	3,000	1,000	$425		Assmn't of $25 ₱ sh levied Sept. 1.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co		27	8,000	100	$100		
Omnibus Railroad Co	—	110	10,000	100	41 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ₱ cent,—$38.		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co	109	110	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	115	120	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	600	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ₱ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	¼ ₱ ct. ₱ month on capital stock	39th dividend paid.

65 shs Lady Bryan at 5½ per share.
11 shs Lady Bryan at 5¾ per share, s 30.
110 shs Lady Bryan, 5 per share, s 30.
10 shs Lady Bryan at 5¾ per share.
10 shs Burning Moscow at 38 per share.
110 shs Burning Moscow at 37 per share.
10 shs Burning Moscow at 34 per share.
60 shs Burning Moscow at 33 per share, r w.
30 shs Burning Moscow at 32 per share.
40 shs Burnside at 5½ per share, b 30.
50 shs Gregg, G. H., at 8 per share.
Amount of sales.....$104,744 00

Wednesday, November 2.

3 shs Uncle Sam at 190 per share.
1 sh Yellow Jacket at 1080 per foot, r w.
1 sh Yellow Jacket at 1090 per foot, b 30.
2 shs Yellow Jacket at 1080 per foot.
7 shs Yellow Jacket at 1090 per foot.
4 shs Gould & Curry at 1450 per foot.
2 shs Hale & Norcross at 530 per foot.
2 shs Hale & Norcross at 535 per foot.
60 shs Ophir at 407½ per foot.
8t shs Ophir at 410 per foot.
10 shs Sierra Nevada at 50 per share, r w.
5 shs Sierra Nevada at 50 per share.
30 shs Josephine, Coso, at 5 per share, r w.
20 Josephine, Coso, at 4¾ per share.
30 Josephine, Copper, at 12½ per share.
5 shs Bullion, G. H., at 140 per share.
5 shs Bullion, G. H., at 141 per share.
5 shs Bullion, G. H., at 147½ per share, b 20.
2 shs Bullion, G. H., at 143 per share.
5 shs Bullion, G. H., at 148 per share.
10 shs Bullion, G. H., at 150 per share.
25 shs Antelope at 75 per share.
10 shs Real del Monte at 25 per share.
15 shs Wide West at 25 per share.
10 shs Bajazet & Golden Era at 16 per share.
5 shs Nevada, J. G. at 34 per share.
10 shs Nevada, J. O. at 38 per foot, b 30.
20 shs Burning Moscow at 31½ per share.
40 shs Burning Moscow at 32½ per share.
10 shs Burning Moscow at 32 per share.
70 shs Burning Moscow at 31 per share.
40 shs Burning Moscow at 30 per share, r w.
40 shs Burning Moscow at 30 per share.
20 shs Burning Moscow at 29 per share.
10 shs Burning Moscow at 29¾ per share.
10 shs Burning Moscow at 29 per share, r w.
15 shs Burning Moscow at 28 per share, r w.
5 shs Burning Moscow at 27½ per share.
15 shs Burning Moscow at 27 per share.
$ 5,000 Legal Tender Notes at 45 per cent, s 30.

AFTERNOON SESSION.

8 shs Best & Belcher at 300 per foot.
12 shs Ophir at 415 per foot, r w.
4 shs Gould & Curry at 1405 per foot.
12 shs Gould & Curry at 1425 per foot.
12 shs Gould & Curry at 1450 per foot.
4 shs Gould & Curry at 1450 per foot, s 15.
1 sh Uncle Sam at 190 per foot.
21 shs Hale & Norcross at 535 per foot.
20 shs Hale & Norcross at 540 per foot.
18 shs Josephine, Coso, at 5 per share.
50 shs Josephine, Coso, at 6 per share.
10 shs Caledonia Tunnel at 9½ per share.
10 shs Burning Moscow at 21 per share.
2 shs Burning Moscow at 20 per share.
20 shs Burning Moscow at 21 per share, r w.
3 shs Burning Moscow at 22 per share.
5 shs Burning Moscow at 23 per share.
15 shs Burning Moscow at 24 per share.
70 shs Burning Moscow at 27 per share.
10 shs Burning Moscow at 29 per share.
10 shs Burning Moscow at 28½ per share.
80 shs Burning Moscow at 28 per share.
Amount of sales.....$57,795 00

Thursday, November 3.

12 shs Ophir at 410 per foot.
12 shs Ophir at 413 per foot.
12 shs Ophir at 412½ per foot.
24 shs Ophir at 415 per foot.
12 shs Ophir at 420 per foot, b 5.
8 shs Chollar at 1090 per foot.
12 shs Hale & Norcross at 550 per foot.
4 shs Gould & Curry at 1430 per foot, r w.
16 shs Gould & Curry at 1420 per foot.
6 shs Real del Monte at 23 per share.
16 shs Bullion, G. H., at 150 per share.
25 shs Bullion, G. H., at 155 per share.
20 shs Josephine, Coso, at 5¼ per share.
50 shs Josephine, Coso, at 5¾ per share.
50 shs Josephine, Coso, at 6 per share.
10 shs Nevada, J. O. at 35 per share.
10 shs Nevada, J. G. at 36 per share.
10 shs Nevada, J. G. at 34 per share, s 30.
10 shs Retugio, Mex., at 30 per share.
30 shs Antelope at 70 per share.
8 shs Imperial at 155 per share.
10 shs Wide West at 26 per share.
50 shs Lady Bryan at 3 per share.
10 shs Burning Moscow at 31½ per share.
40 shs Burning Moscow at 33 per share.
15 shs Burning Moscow at 32½ per share.
10 shs Burning Moscow at 33 per share, r w.
25 shs Burning Moscow at 35 per share.
10 shs Burning Moscow at 40 per share, b 30.
140 shs Burning Moscow at 38½ per share.
10 shs Burning Moscow at 38 per share.
10 shs Burning Moscow at 36½ per share.
10 shs Burning Moscow at 35 per share, r w.
100 shs Burning Moscow at 36 per share.

AFTERNOON SESSION.

8 shs Gould & Curry at 1400 per foot, s 30.
1 sh Yellow Jacket at 1075 per foot, b 30.
5 shs Yellow Jacket at 1050 per foot, b 30.
10 shs Sheba at 58 per foot.
8 shs Chollar at 1000 per share.
40 shs Lady Bryan at 3 per share.
20 shs Wide West at 26 per share.
6 shs Ballion at 156 per share.
10 shs Bullion, G. H., at 160 per share, b 30.
10 shs Bullion G. H. at 155 per share.
6 shs Bullion, G. H., at 155½ per share.
6 shs Nevada, J. G. at 34 per share.
10 shs Nevada, J. G., at 35 per share, s 30.
5 shs Bajazet & Golden Era at 17 per share.
10 shs Caledonia Tunnel at 9¾ per share.
30 shs Burning Moscow at 38 per share.
28 shs Burning Moscow at 39 per share.
40 shs Burning Moscow at 40 per share.
20 shs Burning Moscow at 41 per share.
10 shs Burning Moscow at 41 per share, r w.
20 shs Burning Moscow at 38 per share, r w.
20 shs Burning Moscow at 38½ per share.
Amount of sales.....$55,760 00

Friday, November 4.

12 shs Ophir at 415 per foot.
24 shs Ophir at 415 per foot.
2 shs Uncle Sam at 180@175 per foot.
10 shs Overman at 145 per foot.
8 shs Chollar at 1100 per foot, b 30.
8 shs Chollar at 1075 per foot.
4 shs Chollar at 1015 per foot.
10 shs Sheba at 57 per foot.
56 shs Burnside at 5 per share, b 30.
16 Josephine, Coso, at 6¼ per share.
15 shs Bullion, G. H., at 146@146 per share.
15 shs Wide West at 26 per share.
8 shs Sierra Nevada at 47½ per share.
161 Burning Moscow at 40@43 per share.

AFTERNOON SESSION.

4 shs Gould & Curry at 1475 per foot.
8 shs Gould & Curry at 1450 per foot.
4 shs Gould & Curry at 1435 per foot.
9 shs Imperial at 155 per share.
40 shs Justis at 33 per share.
10 shs Justis at 32 per share, s 30.
20 shs Justice at 31 per share, s 30.
40 shs Lady Bryan at 2¾ per share, s 30.
20 shs Lady Bryan at 2 per share, s 30.
2 shs Hale & Norcross at 540 per foot.
6 shs Bullion, G. H., at 137½ per share.
10 shs Burning Moscow at 38 per share.
85 shs Burning Moscow at 35 per share.
140 shs Burning Moscow at 40 per share, b 30.
16 shs Burning Moscow at 35 per share
20 shs Burning Moscow at 36 per share, s 30.
25 shs BurningMoscow at 35 per share, s 10.
110 shs Blue Ledge at 25c per share.
100 shs Blue Ledge at 30c per share.
Amount of sales.....$33,680 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month'ly Dividend Paid.	Recent Assessments Per foot.	Total Ass'ts Paid.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00	—	Jan 18, $5; May 31, $5.	$18 75
Ballie	1,800	1	1,800	200 00	18 00	25 00	—	July 13, $0; Oct. 12, $10.	45 00
Bajazett and Gobleu Era	4,000	1	4,000	500 00	16 00	28 00	—	July 10, $5. Aug. 3, $5.	58 25
Best & Belcher	224	4	896	500 00	—	300 00	—	May 17, $100; Sep 21, $50.	230 00
Burning Moscow	4,100	1	4,100	500 00	42 00	43 00	—	Jan 19, $15; June 24 $5.	60 34
Burnside	2,800	1	2,800	500 00	4 00	5 00	—	Feb 16, $2; Aug. 31, 60c.	9 50
Belcher	1,040	3	3,120	1,000 00	—	650 00	— $24		
Buckeye	3,000	—	2,800	100 00	5 00	6 00	—	Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	100 00	130 00	135 00	—	Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—	—	—	July 12, $150 00	
Central	150	12	1,800	500 00	—	—	—	Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	4 00	5 00	—	May 25, $3; July 12, $1½	19 50
Crown Point	600	4	2,400	1,000 00	700 00	900 00	—		190 00
Chas. Caney	1,800	1	1,800	30 00	—	15 00	—		25 00
Chollar	1,400	4	5,600	800 00	1,015 00	1,050 00	—	Jan 25, $60; Apr 15, $50.	320 00
Dauoy	2,000	4	8,000	60 00	13 00	25 00	—	Jan 20, $12; Sept 15, $10.	58 00
Desert	2,200	1	2,200	100 00	—	—	—	Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—	—	Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	10	1,200	833 00	—	600 00	— $25		
Gould & Curry	1,200	4	4,800	500 00	1,475 00	1,500 00	— $50		
Grass Valley	4,200	1	4,200	500 00	—	30 00	—	Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	540 00	560 00	—	July 18, $50; Sept. 13, $50.	425 00
Imperial	184	—	4,000	500 00	152 00	158 00	—	Dec 22, $12 50 per share.	250 00
Iowa	1,200	1	1,200	1,000 00	—	12 00	—	Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	2 00	3 00	—	July 19, $3; Nov. 1, $5.	23 25
Lucerne	1,800	1	1,800	500 00	—	—	—	Nov 27, $3; Feb 18, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00	—	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	—	18 00	—	Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	33 00	35 00	—	July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00	—	Aug 6, $12½; Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	—	—	—	Mar 23, $20; Sept 2 $2.	
North Ophir	1,600	1	1,000	500 00	—	—	—	Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	—	8 00	—	Oct 3, $2; Apr 1, $1	17 50
Ophir	1,400	12	16,800	300 00	415 00	420 00	— $48		
Overmaa	1 200	1	1,200	500 00	145 00	150 00	—	June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	800 00	900 00	—	Dec 9, $50.	62 00
Porter	800	1	800	500 00	—	30 00	—	Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	7 00	8 00	— $5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	—	1,950 00	— $75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—	—	Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00	—	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	48 00	50 00	—	Mar 8, $5; May 18, $10.	06 00
Spanish No. 2	1,600	1	1,600	500 00	—	20 00	—	Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	175 00	180 00	—	Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—	—	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	50 00	—	June 17, $30; Oct 8. $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	975 00	1,000 00	—	July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	65 00	72 00	—	Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—	—	Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00	—		12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—	—	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,000	250 00	12 00	16 00	— $5		
Nevada	600	2	1,200	250 00	—	—	—	Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	100 00	23 00	25 00	—	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00	—		8 25
Ural	400	1	400	500 00	—	—	—	Nov 18, $20.	
Utah	1,800	1	1,800	250 00	—	5 00	—	Jan 5, $3; Sept 20, $12½.	19 00
Wide West	2,600	1	2,600	500 00	26 00	27 00	—	Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000	—	3,600	800 00	—	—	—	Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	5 00	6 00	—	Oct 19, $3; July 31, 50c.	12 00
San Carlos	—	—	2,600	100 00	—	—	—	Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—	—	Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	—	20 00	—	Fly 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	53 00	56 00	—	Mar 10, $10; Aug 12, $20	62 35

REESE RIVER DISTRICT.

Amador	1,400	—	—	—	—	—	—	May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—	—	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—	—		
Oregon	800	2	1,600	300 00	—	20 00	—		1 00
Union No. 2	1,000	1	1,000	500 00	—	—	—	Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	—	—	—	May 11, $10; June 25, $5.	16 00
Willow	2,800	—	1,400	200 00	—	—	—	Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—	—		
North Star	1,000	1	1,000	500 00	—	60 00	—	Mar 28, $1, Sept 5, $3,	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—	—		1 50
Diana	1,200	1	1,200	500 00	—	—	—		1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—	—		2 00
Joe Lane	1,000	1	1,000	500 00	—	—	—	Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—	—	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,020	500 00	—	40 00	—	Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—	—	Feb 10, $30; Aug 23, $10.	150 00
Srado Guadelupo	3,000	1	3,000	1,000 00	—	—	—		9 00
San Marcial	13,200	1	13,200	100 00	—	25 00	—		
San Nicholas	1,200	1	1,200	200 00	—	—	—	Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00	—	Jun 16, $1½; Oct 5, $1½	
Fellows	2,500	1	2,500	100 00	—	—	—		
Melones	3,000	1	3,000	50 00	7 00	12 00	—	May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	—	80 00	—	Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	—	25 00	—	June 18, $1; Aug 1, $1,	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	April 10th.	April 20th.	May 2d.	May 10th.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.
Gould & Curry.....per ft.	$4,550	$4,490	$4,100	$3,850	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300
Ophir	1,580	1,500	1,225	1,100	1,200	825	920	850	720	725	670	425	450	500	490	460	300	350
Savage	2,600	....	2,750	2,150	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,230	1,225	1,400
Potosi	1,050	900	850	635	900	850	850	950	1,000	900	1,000	925	875	900	800	800	690	720
Chollar	315	400	500	600	650	500	575	515	370	425	300	300	325	475	550	650	660	690
Hale & Norcross	625	....	600	550	625	500	425	350	275	350	....	210	....	300	480	425	240	350
Sheba	115	110	115	110	100	90	80	75	70	50	40	25	20	80	95	75	70	70
Dancy	105	110	100	82	....	60	....	60	....	50	45	50	35	....	35	30	....	20
Wide West	22	25	25	26	22	20	15	12	10	8	7	20	17	18	20	31	27	35
Burning Moscow	100	103	95	80	55	52	45	40	23	15	13	12	15	18	20	19	27	50
Pride of the West	95	85	78	30	18	8	10	5	6	3	2	....	2	....	2	....	2	8
Bullion	73	70	68	80	70	68	65	70	65	50	40	30	....	....	....	40	40	55
Real del Monte	71	....	68	50	48	40	41	32	23	16	12	11	15	18	14	15	19	35
El Dorado	....	....	....	....	....	....	....	....	....	....	....	10	8	10	12	5	....	....
Overman	300	400	300	250	....	....	200	200	250	200	....	250	225	....	150	175	160	....
Sierra Nevada	75	....	65	60	55	....	....	....	....	20	15	16	15	....	10	22	20	....
Yellow Jacket	....	....	900	800	750	750	950	900	850	700	500	450	400	450	375	400	575	600
White & Murphy	450	450	400	....	....	....	....	....	....	....	300	....	....	....	....	....	....	....
Sides	500	460	350	....	....	....	....	....	....	....	200	....	....	175	....	....	....	....
Uncle Sam	1,000	950	800	700	700	650	700	610	....	400	350	250	190	210	200	200	....	200
Baltic	160	135	115	100	65	75	70	55	45	40	22	15	13	13	16	24	23	22
North American	130	185	165	150	110	122	120	90	65	62	54	30	....	25	25	25	150	25
Baltimore American	42	55	62	50	47	35	....	50	40	42	35	30	32	20	20	15	25	....
Melones	....	40	35	25	15	20	15	....	12	10	12	9	13	17	13	13	....	....
Antelope	150	....	150	....	147	....	125	130	100	65	70	50	....	....	14	12	20	16
Napoleon	80	....	....	30	75	70	80	75	70	65	50	45	....	50	50	....	....	....
Sacramento	50	62	53	60	50	50	45	....	....	....	20	....	....	....	....	....	....	....
Utah	21	23	28	15	20	....	28	26	30	18	15	18	15	....	....	6	....	....
Lady Bryan	57	50	42	39	35	23	32	25	25	10	4	6	4	5	6	7	6	9

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President.

[Written for the Mining and Scientific Press.]

Ione Correspondence.

EDS. PRESS:—By way of posting you as to the geographie position of the locality whence I write, I may say this town is the county seat of Nye county, and that Nye county lies in the southeastern corner of Nevada, and embraces in its limits a very extensive tract of country. We are distant from Austin about fifty miles in a south-southwest direction, and about seventy miles due east from Walker's Lake. To reach here from California the best route is to come through Carson, and along the overland road to Middle Gate, where you turn off to the south, and come in over Whitehill's toll road. From Carson City the distance by that route is about 150 miles. Considering there is a good deal of desert to cross, the road is not a bad one. There are several dry, sandy stretches, and but little grass along it, making it a pretty hard route for teams, especially in the summer. For bringing in goods, we pay ten cents per pound from Sacramento, being at the rate of $200 per ton. Earlier in the season the prices were higher, as they will be from this on. Next year we look for them to be lower, as the roads are to be shortened and improved. We get a portion of our supplies, such as flour, bacon, &c., from Salt Lake, freights being less from there than from California. Most kinds of provisions are cheap, considering the cost of getting them here. On an average, it is hardly more expensive living here than in Virginia. More than two thirds of the people who were here last spring are now gone, leaving not over two or three hundred in the county. After the election some of these will depart, and I don't think more than a couple of hundred will stop here through the winter. Many people will come here in the spring, as our mines are rich. The ledges, like those at Austin, are narrow, with a small but very rich pay streak. The ore above the line of permanent water is of the bromide and chloride kinds; below, the sulphureted ruby ores are found, some of which are seventy per cent. silver, selected samples working from one to two dollars per pound. The only means here for working the ores are hand mortars and a small three-stamp horse mill, with which fair wages are made, men averaging three or four dollars per day with a mortar, and the horse mill of course doing much better. Another horse mill is now being built, and several will be under way before spring. The advantages of these mills are, that they cost but little, work the ore thoroughly, and school all classes to the business. A five-stamp steam mill is also to be built here, forthwith; the parties having the business in hand being on the ground. One or two others of like capacity are talked of, and will be put up in the spring, if not before. Mills can be run here *cheap*, the best of wood costing less than three dollars per cord, delivered where wanted, and there being no lack of water.

The ledges are numerous in this district; some being large and others small; the latter are the richest. Some of the large are good, too, yielding rock that works up well under the stamps. At Grantsville, ten miles south, are ledges with six feet of pay rock that go $400 to the ton, by working process. This is on the surface; whether it is to grow better or worse further down, is a problem yet to be solved. A great many ledges here have had a little work done on them, the object being to do just enough to hold them; on others shafts have been sunk two hundred feet or more, showing as good a prospect as the rich mines at Austin. Over a thousand tons of pay rock have been raised from these prospecting shafts, part of which has been sold on the ground at fifty dollars a ton; a large lot crushed at Austin is reported to have yielded over three hundred dollars per ton. If it did, then this district must soon make a noise, as there is a good deal of that kind of ore here. The small ledges are from six to fourteen inches wide on top, generally increasing in width as they go down.

If the mines turn out well, this will be a thrifty country as it contains nearly everything required for working the ores cheaply. Besides wood and water, there is salt close by, of which a great deal is needed, and which becomes a costly article when hauled from a distance. Bunch grass grows here everywhere, and in many spots grain and vegetables can be grown successfully. The climate is healthful and pleasant, and not subject to the extremes that mark that of California; its worst feature is unseasonable frosts that kill the more tender garden plants before they reach maturity. The winters are not severe, being neither excessively cold nor stormy. The soil is naturally rich and productive, and with the aid of irrigation will bring good crops of grain; with proper tillage, much of it would do so without this artificial stimulus. Its fertility is shown by the grass and other wild herbage growing upon it, of which there is abundant quantities. The forests, which consist of scrubby pitch pine with a sprinkling of mahogany and juniper, are confined to the mountains, there being no trees in the valleys. From the pine, which grows to a good size hereabouts, a tolerable article of lumber is made, and for the purposes of fuel it is not surpassed. H. D.

Ione, Nye County, N. T., Oct. 26th.

Temperature of the Body.

It is truly said that few, if any, ordinary buildings, whether dwellings, shops or factories, are so constructed as to preserve exactly the same temperature in every apartment, and at all seasons. And as for heating themselves, and preserving a uniform temperature, by the very employments or manufactures which are going on within them, nobody probably ever heard of such a thing. A self-heating house! Why it would excite as much astonishment as would a machine which should really have the power of perpetual motion.

And yet "the house I live in" has this power, wonderful as it is, of not only heating itself by the process of generating and purifying blood, concerning which I have treated at length, and by other curious processes, but also of regulating the heat, and keeping it at the same point, with scarcely any perceptible variation.

The heat of the human body is never far from ninety-eight degrees of Fahrenheit's thermometer. By this we mean, that if you were to plunge the bulb of the thermometer, containing the mercury or quicksilver, into the flesh of the body, or even hold it in your mouth, the mercury would rise in the tube till it got to about ninety-eight degrees, and there remains.

Infants, except when just born, have a temperature of only about ninety-four degrees. The heat increases, as we advance towards maturity, after which it remains nearly stationary at about ninety-eight degrees, until we begin to decline, when it slightly diminishes. In the spring and the beginning of summer, it increases a little, in persons of every age; but declines again towards winter. When a person is greatly enfeebled by sickness or otherwise, it is slightly diminished. In fevers and inflammatory diseases it sometimes increases to one hundred and four, and even to one hundred and seven degrees.

But I have not told you how this steady temperature of ninety-eight degrees is kept up in the human system. Indeed I cannot do it, for I do not know the cause. I have already told you that the evaporation of the matter of perspiration on our skins has some effect in keeping us cool; but this cannot be the sole cause why men can remain with impunity in places heated to a greater temperature than boiling heat. There must be other causes not yet fully understood.

As to the reason why we retain so high a degree of heat as ninety-eight degrees, when the temperature of the atmosphere is almost always far below that, there have been a great many speculations—guesses—by philosophers; but they have, generally, been mere guesses. The process of digestion, the formation of chyle, the change of chyle into blood, and the change of the blood in the lungs—especially the latter—are all believed to have a part in the work. Yet they do not, by their united efforts, accomplish one half of it; and it remains for future anatomists and physiologists to investigate the subject more deeply. Some suppose that electricity, or galvanism, or perhaps an agent much more subtle still, has something to do in the matter.

Perspiration always modifies the heat of the human body more or less, and is one means of keeping us cool. The reason is, that the moisture on the surface of our bodies evaporates; and this produces cold. It is said that you may almost freeze a man in midsummer, by keeping him wet with ether; so rapidly does the ether evaporate.

How far the laws of the great Creator may ultimately be discovered in this, as well as in a thousand other things of which we are yet ignorant, it is not easy for us, in the present infancy of human knowledge, to conjecture.—*Dr. Trall.*

MISTS.—The formation of mists never takes place if the temperature of the water be lower than that of the atmosphere; but when the cold air above the land mixes with the warmer above the water, mist or fog will be the result, which will be so much the greater in quantity as the land surrounding the water is higher and deeper. It is by the deposition of water from the atmosphere, through the operation of this law, that the mountains and plains in hot climates are covered with verdure and fertility.

MINERAL SPRINGS.—We have often had occasion to express our sentiments with regard to the impure waters called "medicinal," or "mineral springs." The people have been so miseducated that they regard poison and medicine as synonymous terms, and imagine that, if any pool or stream can be found whose waters are so adulterated or impregnated with earthy, alkaline, saline or mineral ingredients, that they are not fit to drink, so impure, indeed, that no one would think of using them for cooking purposes, it must of necessity be a grand article to swallow for remedial purposes. There never was a more irrational and absurd practice invented than that of running after sulphur, iodine, iron, and other drugged waters for health purposes. Yet the custom prevails all over the civilized world, and many persons who call themselves Hydropathic physicians, (would they were Hygienic physicians, also,) locate their "cures" at the fashionable watering places, or near some "mineral spring" whose waters are recommended to their patients, while the same drugs that are held in solution in these waters, if taken directly from the drug shop and administered in powder by allopathic physicians, would be condemned by these "water-doctors" as poisons. This is a distinction without a difference. Along the banks of the Mississippi, just below the Falls of St. Anthony, and some half-dozen blocks distant from our "Western Hygeian Home," are several springs which are strongly impregnated with iron and sulphur. They have a slightly acid, a strongly astringent, and a moderately sulphurous taste, very much as a compound of iron rust, rotten eggs, and half-decayed cabbage might be imagined to taste. They are much resorted to by the invalids who throng this country and who stop at the hotels and boarding-houses in the vicinity. We are of opinion that a majority of them get more damage from these waters than they get benefit from the pure atmosphere, and so they return home worse than they came, of course calling Minnesota a delusion and the climate a humbug.—*Dr. Trall's Herald of Health.*

INGENUITY OF THE GERMANS.—The following are some of the inventions generally credited to natives of Germany, and also the times when made known:—

"Saw mills in 850; sun dials in 898; fulling mills in 996; windmills and oil paintings, in 1100; spectacles in 1270; paper of linen rags in 1300; organs in 1312; gunpowder and cannons in 1318; hats in 1330; wire making in 1350; pins in 1379; grist mills in 1389; wood engraving in 1436; printing in 1436; printing presses in 1439; copperplate engraving and printing ink in 1440; cast types in 1442; chiming of bells in 1487; watches, letter posts or mails, reeling and bolting apparatus, in 1500; gun locks in 1527; spinning wheels in 1535; almanacs, sealing-wax and stoves in 1546; telescopes in 1590; wooden bellows in 1610; microscopes in 1620; thermometers in 1638; mezzotint engraving in 1643; air pumps in 1650; electric machines in 1651; pendulum clocks in 1665; clarionets in 1690; white china ware in 1706; Prussian blue in 1707; stereotypes in 1709; mercurial thermometers in 1715; pianofortes in 1717; solar microscopes in 1736; the gamut in 1753; lithography in 1783."

THE SHADOWS WE CAST.—In this great world of sunshine and shadow, we are constantly casting shadows on those around us, and receiving shadows from them in return. There is no pathway in life which is not sometimes in the shade, and there is no one who walks over these paths, it matters not which way they tend, who does not, now and then, cast his shadow with the rest. How often do we, by a mere thoughtless word or careless act, cast a shadow on some heart which is longing for sunlight. How often does the husband, by a cold greeting, cast a gloom over the happy, trusting face of his young wife, it may be, has waited anxiously for the first sound of his footsteps to give a joyous welcome to his home. How often has the parent, by a harsh reproof, chilled the ever-flowing spring of confidence and love which is bubbling up from the fountains of the heart of the innocent prattler at his knee. How often are the bright rays of hope torn from the clinging grasp of the souls of those worn out by poverty and the never-ending conflict of life, by the stinging ridicule or the sordid avarice of those whom the world honors—aye, loves to honor. How often does the child—even after it has grown to the full bloom of manhood, and is clad in garments of strength and beauty—bring sorrow to the parent already tottering on the brink of eternity. Then beware, lest you cast a deeper shadow over those which are already darkening his happiness. The shadows we cast—can we escape them? Can we look back, as we walk on in life's journey, and see no shadowy marks about our footprints?—*Home Monthly.*

THE consumption of wines has gone down nearly forty per cent. in this country, and the consumption of cigars one-half, since the heavy taxes have been imposed upon these articles of luxury.

WHY DO NATIONS DIE?—The question has often presented itself to historians, why do nations die? Is mortality a condition of their existence, or is it but accident? Reasoning from analogy may be multiplied abundantly on both sides of the question. But as regards the facts of history, there is one case, and only one, albeit a very weighty one, which can be quoted in opposition to the theory that nations as well as individuals must die. The case is that of China, where, from the earliest times of which we have any knowledge, a people has gone on increasing in numbers, and maintaining its national existence down to the present day; and of which we may truly say that although it is possible to imagine a time when that empire may be directed by Europeans, it surpasses any ordinary imagination to conceive of that vast population, numbering one-third of the whole human race, becoming extinct or ceasing to be Chinese. So far as facts go, China furnishes a strong argument against the doctrine of national mortality. But for this one old nation that has lived and still lives, there are half a dozen others which have perished. The Babylonians and the Assyrians are dead and gone; not a single living trace of them exists. The national existence of the ancient Egyptians passed away (we may say) 1,600 years ago. The Greek nation ceased to exist long ago; and its blood has become so mixed, and its country so changed, that if it should revive again it will rather be as a new people than as a continuation of its former existence. The Romans were but a tribe—their empire was that of a polity rather than of a people; and both polity and people have disappeared. In the New World the mortality of nations has been still more strikingly displayed. The Mayans of Central America, the old Peruvians, the Toltecs and Aztecs of Mexico, have ceased to exist; and even the barbarous nomades are melting away before the advance of the new-comers from Europe.

WHERE MOSQUITOS COME FROM.—These pests of summer proceed from the animalcules commonly termed the "wiggletail." If a bowl of water is placed in the summer's sun for a few days, a number of "wiggletails" will be visible, and they will continue in size till they reach three-sixteenths of an inch in length, remaining longer at the surface as they approach maturity, as if seeming to live on influences derived from the two elements of air and water; finally they will assume a chrysalis form, and by an increased specific gravity sink to the bottom of the bowl. A few hours only will elapse when a short black furze or hair will grow out on every side of each, till it assumes the form of a minute caterpillar. Its specific gravity being thus counteracted, it will readily float to the surface, and be wafted to the side of the bowl by the slightest breath of air. In a short time a fly will be hatched and escape, leaving its tiny house upon the surface of the water.

Any one who has had a cistern in the yard has doubtless observed the same effect, every summer, although he may be ignorant of the beautiful and simple process of development. If a pitcher or cistern or other water containing these animalcules is placed in a close room over night, from which all mosquitoes have been previously excluded, enough mosquitoes will breed from it during the night to give any satisfactory amount of trouble. In fact, standing by a shallow, half stagnant pool on a midsummer's day, the full development of any number of "wiggletails" to the mosquito state can be witnessed, and the origin of these disturbers of night's slumbers thus fully ascertained.

MATHEMATICS.—Mathematics is the most noble and elevated science the human mind can investigate or study. Each question that the student undertakes to solve, when accomplished, but leads to another and a higher, and thus leads the intellect to consider and grapple with the grandest realizations of truth in our universe. All other sciences (except those relating to living beings) are based upon it. Astronomy, its eldest child, and Mechanics, its most useful servant, are but practical mathematics. How grand and noble to calculate the distance of stars, the motions of the planets, and to prophecy the appearance of a meteor! and how useful and glorious, as advancing true civilization to calculate the horse-power of a steam engine, to estimate the extent of a bed of coal, or to determine the practical strength of iron! All these are done by the aid of this science, and the world teems with objects for its investigation.

TIN PLATES.—Tin plates—that is, tin plates of iron dipped into molten tin, which covers the iron completely—are manufactured in South Wales and Staffordshire, to the extent now of about 900,000 boxes annually, equal to 56,000 tons, and valued at over five millions of dollars. In England, almost every article of tinware is formed from these plates. Nearly two-thirds of the total manufacture are exported to the United States.

Mining and Scientific Press.

W. B. EWER.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventors can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Nov. 5, 1864.

CALIFORNIA MINING INTERESTS.

The mining stock disturbances of the past year will long be remembered by Californians, not only for their positive and direct influence upon the general industry of our people, but also for their collateral and consequential influences in bringing back the public mind to a true appreciation of the real and substantial interest of the immense mineral sources of our own State. The result will be, and undoubtedly is, highly beneficial to the community at large, although exceedingly disastrous to an unfortunate few. The chaff will be—even now is—pretty well sifted from the wheat, and the difference between mere mining stock in the market, and the mineral wealth of the earth exposed to the sunlight by the practical science of the miner is now known and most sensibly felt.

Stock in mines, mills, and mining equipments and appliances, that has been scattered broadcast over the State, and particularly in this city, is now chiefly valuable as assets in inventories, in the hands of assignees, or as a remembrance of the hard earned money which has gone out of the pockets of industrious citizens to fill those of speculators. This sifting process, which is still in operation, will result in scattering to the winds the worthless chaff while that which is really valuable will fall into the hands of practical men, who fully understand what they are about, and who will make the most of it for their own benefit, and thereby indirectly advance the general interests and industry of the entire community. In this process new combinations will be formed; excrescences will be lopped off; mining energies and capital will be better directed, and the losses and bitter experience of the past will thus be made to lead to results, alike profitable to the capitalist, creditable to the science of mining, conducive to the positive wealth of the country, and tending to a proper and economic development of the great leading industry of the Pacific coast.

No man who has looked carefully and intelligently into the cause and condition of the present depression of our mining interests sees therein anything to discourage or dishearten us as to the final result in their ultimate value. The conclusions which we have briefly stated above must be potent to every observing and intelligent mind. Our recent personal observations in Grass Valley and vicinity has but confirmed us in the above conclusions. Intelligence which reaches us from other parts of our widely extended mining region, but adds to that confirmation. So far as California is concerned one important result of the late mining mania will be to draw back again from distant sections many who have left old established mining camps, to seek their fortunes in new and untried localities. As winter approaches, and with it the necessity of a permanent location, these roving prospectors are coming back by thousands to their former places of abode and labor, fully convinced that notwithstanding the acknowledged richness of other localities, California, by the ready access of capital, cheapness of living, geniality of climate and its homelike associations and surroundings is after all the best place in which to look for a permanent home, and affords the surest and most reliable returns for both labor and capital.

As a community we owe much to our pioneers who go out into distant regions to discover and develop new mining localities, to increase the bounds of knowledge and to introduce us to new fields of enterprise for the occupation of labor and the investment of capital. But in the restlessness and pushing energy of our people, we are liable to be too superficial in our efforts, to devote our attention too generally to prospecting, and neglect the ultimate necessity, of thoroughly developing our work as we progress. Our community as a whole, is too much like many individual miners, who make prospecting their only business, obtain possession of a large number of claims, but never develop any. They count their wealth by thousands, yet pay for their daily bread with borrowed money. How much better would it be if they would concentrate their efforts on one or two claims, and thoroughly develope as they go. This disposition to possess ourselves of new territory at the expense of a neglect to develop that already in our possession, is what has caused the present stock depression. There is not floating capital enough in the entire Union to develop the four or five thousand company locations that have been made during the past two years Of course a large proportion of these locations are partly wildcat; and but a small proportion of the balance will ever be developed into paying claims. A large proportion of the money that has gone over the mountains the past two years has been expended in *watching* rather than *working* the mines, and awaiting for customers, with money, to come along and purchase. Thousands have thus purchased to their sorrow.

The sifting process now going on will soon determine how many of all these claims possess a value. The money now being expended is mostly applied in a legitimate manner, and with judgment. The beneficial effects of such a curtailment of prospecting operation is already apparent. Mining as a speculation is pretty much done with. The beneficial effects of this change may be seen forcibly illustrated in Grass Valley, which one year ago was nearly depopulated by a general stampede of its population on prospecting explorations, mostly to the neighboring territory. A few—a very few—have been successful. The multitude, has been loser. They are now at their old homes again, and have gone to work, with a will, to further develop the mines at home. The success of such efforts is already apparent, in the renewed industrial appearance of the town, and the feeling is almost universal there, that prospecting, except as an incidental pursuit is, to use a common parlence, "played out." Such we are assured is the case in numerous other mining localities.

Californians and, indeed, miners everywhere on the Pacific coast have yet much to learn. One important lesson has just been forced home upon us by the cogent power of experience, and others are yet to be learned. At no period in our history, have so many interests been thrown together requiring experience, careful discrimination and the most critical acumen in developing, managing and concentrating those interests as at the present time. We shall endeavor, so far as we are able, to lend a helping hand in this process of renovation. We shall be dilligent in our efforts to collect information of practical value to the miner, and do all in our power to give notoriety to newly discovered mineral localities and resources, when we are satisfied of their value; but we shall not knowingly give prominence to any mine or mining company in our columns, which we may have room to believe has been got up for speculative purposes, or that cannot present evidences of value other than mere paper ones

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TWENTY-SEVEN ladies of New Bedford, Massachusetts, have agreed to furnish each a representative recruit.

MINING IN GRASS VALLEY.

A flying visit, the past week, to Grass Valley, enabled us to take a look at the mines and mining operations in that important mining locality. An absence of two years from our former home, covering, as it had, a period of unusual depression in the mining interests of California, had wrought no important change in the general appearance of the town. Six months ago that town was probably witnessing the lowest state of depression which it has ever experienced. Since that period, however, the returning tide of emigration has set in, and at the present time the town presents a wonderful degree of activity. The industrial enterprise which has thus returned, has manifested itself by taking a new hold of the inexorable resources of the place and the result has been most gratifying, and in some cases, already highly remunerative. Operators in quartz, whether at the mill or mine, are now working with increased energy, and a more free expenditure of capital is now being witnessed there than at any previous period. Several old workings that have long been abandoned, have recently been re-opened, and new developments are in progress, while several are already in the full tide of most successful accomplishment. A new and bright day has, in fact, dawned upon legitimate mining, not only in Grass Valley, but in the entire State, as well, and many are rejoicing at its advent, and in the cheering and hopeful prospect for the future, which is so closely revealed. Capitalists, who for a long time have regarded the quartz business of this place as a mere receptable for the absorption of their money, are now beginning to look favorably upon the resources of the locality, and are continually seeking for opportunities to invest. Joseph Woodworth, formerly of Grass Valley, but more recently of this city and of Ophir notoriety, has recently purchased one of the oldest mines there, and is now erecting extensive machinery, devised upon a somewhat novel plan, but which has been pretty thoroughly proved by extensive experiments. The quartz is to be crushed dry upon a plan recently patented by Messrs. Wheeler & Hotalling of this city, and amalgamated by aid of Superheated Steam, employed in Ryerson's amalgamator. The practical result of the use of this machinery on a large scale is an interesting problem which Mr. Woodworth will soon solve, and which we shall lay before our readers at the earliest moment, with a detailed description of the same. Mr. Coe, President of the Imperial company, of Gold Hill, Mr. Davis of the Ophir company, Mr. A. E. Head, Mr. Robert Merrill and several other successful Washoe operators, have recently made important purchases of valuable leads near Grass Valley, which they are preparing to work on an extensive scale. Messrs. Fricot, Roberts, Findley and other capitalists of this place are also investing largely in new enterprises.

The chief point of interest, just at this time, is a section of ground about half a mile in width and running from the old Day diggings, on the Nevada road, to Union Hill, some two and a half miles distant in a southerly direction. Portions of this ground were among the earliest worked quartz mines in Grass Valley, but were long ago abandoned or neglected for lack of enterprise, or a desire to *prospect* in distant portions of the country. We have elsewhere alluded more particularly to the individual operations along this line, which we fully believe will eventually rival the famous Comstock range of Washoe in value and productiveness.

The only fear is that the natural impulsiveness of our Grass Valley friends may lead to extremes. Mining, above all other kinds of business, requires profound judgment and deliberation. Operations to be successful must be carried on with the greatest care. One very important feature connected with the mines of Grass Valley is that with scarcely an exception thus far, the veins have decidedly improved as they have been worked downward. There is now connected with the business in that place, a universal feeling of permanent interest permanent residence and prosperity. There appears to be a permanency connected with the appearance of the mining interests in that place, which is no where else excelled or perhaps equalled. This idea is kept up in the durable character of their places of business, the comfortable and homelike appearance of the dwellings, the presence of numerous churches, the existence of schools and newspapers, and in fact of all the advantages and opportunities which we have left in our former homes at the East.

But little has been done at placer mining in Grass Valley during the past year, in consequence of the scarcity of water. Indeed but little more is expected to be done in that direction, except by Chinamen, into whose hands nearly all the placer mines have already passed. We have no means of ascertaining the amount of capital invested in the quartz business; but the number of mills now in operation is ten, and seven more are in progress of erection. The mills in operation are capable of reducing about nine hundred tons of quartz every twenty-four hours. The amount of gold now being taken out in Grass Valley is not far from $250,000 a month. This amount will soon be largely increased by the starting of new mills. The mills are all under the direction of competent and prudent managers, and the companies owning other mills and mines generally consist of three or four individuals only. The cumbrous machinery of incorporated bodies is unknown there and the cost of maintaining them is placed to the account of profit.

SAWDUST BLASTING POWDER.

We made some allusion, a few weeks since, to a new explosive compound, which has recently been invented, the basis of which is common sawdust. This sawdust is chemically prepared, much after the manner of gun cotton. The process of manufacture is extremely simple and cheap, and the material, when ready for use cannot be fired by mere friction, an objection which is said to exist against the use of gun cotton, at least under its ordinary manufacture. This prepared sawdust may be rubbed with any degree of violence, upon the floor, beneath the boot with perfect safety. It has been tried to a considerable extent for blasting in Grass Valley, where it is manufactured, and has been found to work equally as well as the best blasting powder. It has also been found to work as well as powder when used in the small cannons employed for firing salutes in that place. It can be furnished at much less cost, and is much safer to handle and transport than ordinary gun powder. It is used bulk for bulk, with powder, although its weight is one half less, another important advantage in distant inland transportation. It can moreover be made at any point where sawdust can be obtained, the transportation of the chemicals being but a trifle. It has been used by the Messrs. Watt & Co., on Massachusetts Hill, by the Allison Ranch Company, and at the Forest Spring and Ophir mines in Grass Valley. It has also been used at San Juan. Some 40 kegs have been used for blasting in the cement diggings at "You Bet." All the parties who have used it state that it works full as well as ordinary blasting powder. The parties who have the patent right are still experimenting in its manufacture, which they have already improved upon to some extent. When their experiments are fully completed they will commence its manufacture on a large scale. We see no reason why this invention should not prove one of much importance to California and the world at large, as well.

TO EXTRACT GREASE FROM CLOTH.—The cheapest and most effectual preparation for extracting grease from cloth, may be made of one part of liquid ammonia and four parts alcohol mixed with an equal quantity of water. If kept on hand it should be placed in a glass-stoppered bottle. Apply with a piece of sponge, soaking the cloth thoroughly when the grease has remained any considerable time in the fabric.

S. F. Mechanics' Fair Reports.

COMMITTEE REPORTS

OF THE SAN FRANCISCO MECHANICS' INSTITUTE INDUSTRIAL EXHIBITION OF 1864.

[By authority of the Executive Committee for the management of the Fourth Industrial Exhibition of the Mechanics' Institute, we shall continue, under this heading, until completed, the publication of the Reports and Awards of the Examining Committees in the various departments of the Exhibition, as revised by the Managers to accord with the rules governing the distribution of awards. Where the reports have not been made in form prepared for publication, abstracts or digests only will be given. The Managers desire it stated that, while articles originating and manufactured abroad contributed in a degree to the variety and interest of the exhibition, which in return afforded their merits opportunities of becoming widely known, to the advantage of those showing them, the enterprise was intended to be an exposition of the material and industrial resources of this State, and the adjacent Territories, to which the honorary awards must be limited. Believing, too, that the distribution of premiums of several grades among competitors has a greater tendency to produce jealousy and dissatisfaction than to encourage enterprise and efforts for excellence, the Executive Board has determined to allow no second, third, or other inferior grade of Premiums.]

Classes V and VI.

Iron Smith Work, Stoves and Hardware.

SUB-DIVISION I.—SAFES AND SAFE LOCKS.

COMMITTEE:

THOS. A. AUDERLIN, FRED. MARET, WM. HARTMANN.

Report:

Three of our home manufactures of Safes compete for awards in this department.

JONATHAN KITTRENGE—Steel Plated "Monitor" Burglar Proof Safes, which are built and finished in the most massive and thorough manner, and may safely defy either the bar, hammer, chisel or drill of the burglar. Premium.

J. WEICHART exhibits a Fire Proof Safe of superior workmanship and quality, entitling it to a Premium.

SAMUEL JONES exhibits a Fire-Proof Safe, of quality and workmanship deserving honorable mention.

JOSEPH BIEN exhibits a Combination Lock, showing both skillful workmanship and ingenuity, which entitle him to a Premium.

RUSSELL ERWIN CO. have for exhibition (and not for competition) several of the well known Lillie's Fire and Burglar Proof Safes.

W. F. ENSIGN likewise has one of Lillie's "Monitor" Bank Safes.

E. C. HALL & CO. exhibit a case of Re cut Files, representing a branch of industry which saves thousands annually on the importation of files. Premium.

C. R. RICK exhibits some fine samples of Horse Shoes. Entitled to honorable mention.

MCFARLANE & FLINN exhibit two Horse Hoofs, showing the structure of foot and manner of shoeing. The cure shows in the preparation of the hoofs and skill shown in the shoeing, deserve honorable mention.

J. W. QUICK has two Perforated Iron Screens, which deserve honorable mention.

SUB-DIVISION II.—MOULDING CUTTERS AND PLANE IRONS.

COMMITTEE:

SAMUEL WILLIAMS, GEORGE ROBINSON, JAS. HATCH.

Report:

N. W. SPALDING and J. WEICHART are the only exhibitors of home-manufactured Moulding and Plane Irons, and the articles presented by each, in form and finish, are certainly not excelled, if equalled, by any imported, while in temper and wearing qualities the testimony is entirely in their favor. As between these competitors Mr. Spaulding has the largest variety of moulding cutters and some fine samples of steel-faced machine plane irons, which do him a great deal of credit; but for the finest finished and best moulding cutters the committee award to Mr. Weichart the Premium.

SUB-DIVISION III.—STOVES, TIN AND HARDWARE.

COMMITTEE:

J. DE LA MONTANYA, GEORGE A. SNOOK, E. H. BRYAN.

Report:

The Committee of Examination in this department recommend the following awards:—

JOHNSTON & REAY, for best drawing Chimney Top, Premium.

OSGOOD & STETSON, for Plain Tin Ware, Premium.

J. O. WRIGHT, for Window Hinge, in frame, Premium.

A. C. DEXTER, for two Lever Door Gongs, Premium.

CALLAGHERE & WEEN, for Brass Sheathing Nails, Premium.

G. M. WOOD, for Name Stencil Plates, Premium.

TAY, BROOKS & BACKUS, for "Monitor" Stove, Japanned Tin Ware, Copper Ware and Pressed Ware, Premium.

The highly finished and beautifully ornamented Japanned Ware of TAY, BROOKS & BACKUS, comprising Water and Wine Coolers, Tea Caddies, Sponge and Hip Baths, Pails, Coal Hods, Powder Flasks, etc., together with Planished Copper, Pressed Tinware and Wrought Iron Stoves, etc., formed a feature in the Exhibition worthy of special mention as affording evidence of successful enterprise in a branch of industry requiring not only capital, well-directed mechanical labor and skill, but also expensive artistic manipulation; and nothing is hazarded in saying that these goods may safely challenge comparison with any from the Eastern States or Europe, either as to substantial quality, style of ornamental finish or price.

Class VII.

Gold Pens, Jewelry, Hair Braiding for Jewelry, Seal Engraving.

SUB-DIVISION I.—GOLD PENS.

COMMITTEE:

W. L. D. BUNNE, E. P. HEALD.

Report:

The committee in this department report—"That after a long, careful and thorough trial, both as to mechanical construction and adaptation to the wants of the writing public, they find, first, more compass of the nib; second, more flexibility; third, more support from the iridium point; fourth, a finer ink split in the point (the absolutely requisite qualities for good writing) in the gold pens of Mr. W. B. J. Kenney than in any others on exhibition." He is therefore entitled to the Premium.

SUB-DIVISION II.—JEWELRY AND HAIR BRAIDING FOR JEWELRY.

COMMITTEE:

E. F. OHM, T. GROS, LUCIUS THOMPSON.

Report:

The jewelry department in the Exhibition is very limited.

JOSEPH BROS. have a case containing Ladies' Waist Buckles and a fine statuette, "Agriculture," in silver.

A. MENDOZA has a well made Ladies' Waist Buckle, provided with a novel and ingenious spring fastening.

MR. BOHM is adjudged by the committee entitled to the premium on the Waist Buckles exhibited in the case of Joseph Brothers.

A. SOHNIN is entitled to credit for a fine exhibition of French Clocks and Bronze Statuettes.

There are four exhibitors of hair work for jewelry.

C. F. FISHER has some good specimens of hand-braided Watch Chains.

MRS. USZYNSKI has a small case of very well and tastefully wrought samples.

Miss BALDWIN, of Marysville, has a case containing a great variety of this description of work, showing a very high degree of excellence both in design and execution.

But the committee, after a very careful examination, award to Mr. and Mrs. Schmidt, for the best work of this class, the Premium.

SUB-DIVISION III.—SEAL ENGRAVING.

S. GENOT is the only exhibitor of Seal and Letter Stamp Engraving, and the excellence of the specimens shown entitle him to a Premium.

Class IX.

Cutlery, Surgical Instruments, Dentistry, Dental Apparatus.

SUB-DIVISION I—CUTLERY.

COMMITTEE.

WARD EATON, J. W. MCKENZIE, A. F. SAWYER.

Report.

The Committee appointed to examine the California Manufactured Cutlery, at the Industrial Exhibition of the Mechanics' Institute, held at San Francisco, September, 1864, have carefully inspected the different specimens, and beg leave to make the following report, viz:

A Superior Case of Cutlery, by M. Price, of this city, consisting of a great variety of Razors, Carving Knives and Forks, Bowie Knives, Hunting Knives, etc., all of his own manufacture, are to be seen in every shape, showing the progress of manufacture from the rough bar of steel to the highly finished blade, fully equal to any ever imported. We cheerfully pronounce the above case entitled to the first Premium.

A beautiful Case of Cutlery of great variety, made by Messrs. Will & Fink, of this city, all of very excellent workmanship, among the articles in this case are pricking knives, pruning knives, barbors' shears, cork-screws, conductors' forceps, faro box and machine for cutting cards, some of which are fully equal to any on exhibition; and we earnestly recommend for them a special premium.

Your Committee would particularly request, also, that Mr. Kesmodel of this city receive a special premium for that branch of cutlery, surgical instruments of his own manufacture, and highly creditable, as also a pruning knife of his own make and of peculiar style, claimed as his own invention.

All of which is respectfully submitted.

SUB-DIVISION II—DENTISTRY AND DENTAL MATERIALS.

COMMITTEE.

R. COLE, CHAS. E. BLAKE, H. AUSTIN.

Report.

Dr. H. J. Paine, San Francisco, exhibits several artificial dentures on vulcanized rubber, and gold, the former good, the latter superior, and deserving a Premium.

Dr. Q. L. Adams, San Francisco, artificial teeth on gold and vulcanized rubber—the latter the most perfectly constructed of any on exhibition with that material and deserving a Premium.

Dr. Beers & Co., San Francisco, Artificial Dentures on gold, vulcanite, and porcelain. That on gold exhibited at former fairs; the rubber work good. The porcelain plate and gum present a good appearance, but the teeth are defective in not shading necessary to a clear imitation of nature. These dentures have some qualities to recommend them in preference to any others, but the impossibility of a perfect adaptation to the mouth, and their liability to break, must ever prove a great objection to their general use.

Dr. E. F. Bunnell, San Francisco, upper set of artificial teeth on rubber, very fair; also, upper set on gold plate and teeth attached with vulcanized rubber. The superiority of this kind of work over entire rubber plates is very much questioned.

Dr. John Heald, San Francisco, several pieces artificial teeth set on gold and rubber; also artificial teeth imported.

Dr. William Calvert, San Francisco, exhibits a good variety of artificial teeth superior to any before manufactured in the State, and are deserving the special attention of the profession. Also, corundum wheels which appear to be superior. In view of their excellent quality, and the fact that the exhibitor has entered into competition with eastern manufacturers of great repute in the production of these articles, so extensively imported, he is awarded a special Premium.

SUB DIVISION III—DENTAL APPARATUS.

COMMITTEE,

J. D. STAONG, C. SCHENK.

Report.

The Committee on apparatus for extracting teeth, beg leave to report, that,

We found but a single article on exhibition, and that was the invention of Mr. Oudry of Pennsylvania, exhibited here by Dr. E. Belle, of San Francisco. It consists of a box, containing a freezing mixture; another surrounding it filled with a fluid called chloride of calcium, and used in this case because it takes a low degree of temperature without congealing; four gutta percha tubes, through which this fluid is pumped to and from two little pads, while they are in contact with the tooth, and a thermometer by which to regulate the degree of cold. The object attained by this apparatus is the chilling and numbing of the nerves of the tooth to be extracted, by applying to it a degree of cold nearly as low as the freezing point, thereby rendering that part of the mouth insensible to pain. The effect produced is precisely similar to the numbing of the fingers which follows their exposure to a low degree of temperature in a cold climate; and is equally harmless and no more unpleasant.

We have given minute attention to the principles on which this apparatus is constructed, and have also examined carefully its practical workings, and we believe it to be a very important invention, simple, practicable, safe, and destined to supersede all other methods of extracting teeth and performing surgical operations without pain.

Class X.

Musical Instruments.

SUB-DIVISION I.—PIANOS.

COMMITTEE:

GEORGE T. EVANS, J. CARNAUD.

Report:

JACOB ZECH and FREDERICK ZECH each exhibit two Pianos, of fine quality and finish.

The instruments of FREDERICK ZECH we find on trial to be admirable in some qualities but unequal in others.

JACOB ZECH'S Pianos are found preferable in fullness of tone and durable qualities. He is, consequently, entitled to the Premium.

SUB-DIVISION II.—FLUTINAS AND ACCORDEONS.

COMMITTEE:

GEO. H. COES, FRANK MEDINA, MARTIN SIMONSEN.

Report:

The Flutinas and Accordeons manufactured and exhibited by C. C. KRENE are superior to any we have ever seen, and he is justly entitled to the first premium for the State of California.

SUB-DIVISION III.—BANJOS.

COMMITTEE:

D. A. THINN, FRANK MEDINA, G. H. COES.

Report:

The Banjo exhibited by E. S. TURKINGTON was a creditable piece of elegant workmanship; but we find, on careful examination, that the Banjos made and exhibited by CHARLES MORRELL are the finest toned and the best instruments for practical use. In our opinion Mr. Morrell is entitled to the Premium.

SUB-DIVISION IV.—FLUTES AND CLARIONETS.

COMMITTEE:

GEORG EKOPPIZ, J. CANAUD, FRANK MEDINA.

Report:

Having examined the Flutes and Clarionets manufactured in this city by Mr. GEORGE PAPE, we do not hesitate to say we have never seen like instruments of equally good workmanship, and in all the qualities required they are perfect. Premium.

SUB-DIVISION V.—GUITARS.

M. Y. Ferrer reports that he has examined the Guitar made by D. MOJICA, and finds it admirable in fineness and durability of tone and a tastefully made instrument, meriting a Premium.

Class XI.

Furniture, Billiard Tables, Upholstery.

SUB-DIVISION I.—CABINET WORK.

COMMITTEE:

W. P. TAYLOR, C. RICHTER, JAMES ROSS.

Report:

The exhibition of Cabinet Work in Furniture and Billiard Balls was extensive and very creditable.

A. HUMBURG, EASTON BROS., A. CONRAD, VICTOR CAPPE, C. H. FUHR, C. ANDREWS, GOODWIN & CO., H. EULER and B. P. MOORE exhibit Furniture of handsome pattern and good workmanship.

M. E. HUGHES, P. LIESENFELT, J. DROULHIAT, JACOB STRAUBE and — ECKHART exhibit Billiard Tables of choice material and elegant finish.

The duty of determining to which the preference should be given where each could claim excellence in some particulars, and all had merit, was difficult and embarrassing; but after most careful inspection we award the Premium for skillful workmanship in Cabinet Furniture to EASTON BROS.

And for the best Cabinet Work on Billiard Tables, JACOB STRAHLE is entitled to the Premium.

SUB-DIVISION II.—UPHOLSTERY.

COMMITTEE:

JOS. ACKERMAN, E. BLEGMANN, PHILIPPE NEPPERT.

Report:

Restricted to the award of one premium only, the committee on Upholstery Work find, after a careful examination, the best work in this line on a Sprung Back Iron Chair, exhibited by GOODWIN & CO., and that firm is therefore entitled to the Premium.

SUB-DIVISION III.—PLAYING QUALITIES OF BILLIARD TABLES.

ALFRED MOULIN, Chairman Committee.

Report:

The committee of five chosen by the competitors report, through the Chairman, Alfred Moulin, that they met by appointment in full committee, tried one of the Tables of M. E. HUGHES, one of P. LIESENFELT'S, one of J. DROULHAT'S, one of J. STRAUBE'S and the Table of — ECKHART, but were so divided in opinion upon the respective merits of the Tables tried, that they were unable to determine by a majority of the committee to which the award should be made.

SUB-DIVISION IV.—BILLIARD BALLS.

COMMITTEE:

M. F. BUTLER, JOS. LITTLE.

Report:

J. G. H. MEYER is the only exhibitor of Billiard Balls. We have carefully examined the Balls turned by Mr. Meyer, and for perfect truthfulness and beauty of execution in coloring and otherwise, we have never seen them surpassed by the imported article, and we take pleasure in awarding to him the Premium.

Class XII.

[Carriages and Wagons.

COMMITTEE:

R. S. ELLIS, E. G. WOODSIDE, H. M. SHULTE.

Report:

The committee appointed by the exhibitors of Carriages at the Industrial Fair report:—

That we have made a careful examination of all the vehicles of California manufacture offered at the Fair, and find scarcely any competition, each exhibitor showing his particular class or style of work, which is peculiarly his own. The show of fine workmanship, however, is very creditable to our California carriage makers, and they can safely challenge any of the celebrated Eastern manufacturers to excel this show of fine work, either for style, durability, or neat workmanship. We can recommend that the following persons or manufacturers be awarded such premiums as your honorable body may see fit to present:—

To POLLARD & MOORE, for an Extension-Top Barouche, showing extraordinary workmanship in iron work, also in trimming, and the whole vehicle an elegant and creditable piece of workmanship.

To A. SEARLS & Co., for a Brett Carriage (Central Park style), light and elegant in its proportions, and showing California manufacturers are not to be outdone in manufacturing stylish and comfortable vehicles.

To G. P. KIMBALL & Co., for a Family Carriage, of more than usual merit for genteel style and workmanship, not excelled by any manufacturer on the Pacific coast and by few of the oldest and best manufacturers in the Atlantic States.

To W. R. BROWN, for three Sun or Cloth Top Buggies, New York styles, which for light buggies cannot be surpassed for elegance of proportions, style and workmanship in the United States.

To A. SEARLS & Co., for one Sun-Top and three Leather Top Buggies, styles peculiarly their own, very "natty," and particularly worthy of notice, exhibiting originality as a manufacturer and exquisite workmanship.

To G. P. KIMBALL & Co., for a "Park Phaeton" and open no-top Buggy, both vehicles showing workmanship of a high order, alike creditable to themselves and this Exhibition.

To M. P. HOLMES, for a neat Side-spring Concord Style Top Buggy, in all its proportions and workmanship—a good serviceable vehicle.

To SPRUNG & MCARRON, for an open or no top Concord Style Buggy, unfurnished, not trimmed nor painted. This vehicle presents extra workmanship, both in wood and iron, and is deserving of examination by our mechanics.

To E. C. BROOKS, who exhibits a new style Buggy, with combination springs of rubber and steel, with compound levers. Quite a novel and ingenious invention.

To M. CURTIS, for an Express Wagon, of good proportions, skillful workmanship and fine finish.

To MCLAUGHLIN & FESSEL, for a good Lumber or Farm Wagon.

To A. M. ELLIS, for a Child's Chaise, of skillful workmanship and proportions.

To G. P. KIMBALL & Co., for model of Patent Coupling Truck; a very useful invention.

To W. R. BROWN, for a Butcher Cart, made and finished in a thorough and workmanlike manner.

To BATH & MORRISON, for an unfurnished (not painted nor trimmed) Butcher Cart—a very carefully made and workmanlike job.

To E. G. WOODSIDE, for new style of Thoroughbrace Coach or Carriage Spring, adding to the old style thoroughbrace India rubber springs at each end, by which greater spring will be attained, consequently more ease to passengers and less strain on the vehicle.

In making an examination we find that the best show of workmanship is exhibited in the Extension-Top Barouche made by POLLARD & MOORE, and that they are entitled to the first premium.

Class XIII.

Carving and Gilding.

COMMITTEE:

S. C. BUGBEE, SAML. M. BROOKS, EDW. C. POWERS.

Report:

Having been appointed a committee to examine the specimens of Carving and Gilding on exhibition at the Fair, we would respectfully report:—

Carving.—The works exhibited by Mr. W. B. GLEASON (a Quail, Dove and Hawk's Feather in wood), we consider the best exquisite specimens of that art we have ever seen in any country, and he is entitled to the highest award.

The Carved Flowers, by Messrs. BRYANT & STRAHAN, are very finely done and in bold relief.

Gilding.—We consider Messrs. WOOLL & SUTHERLAND entitled to the highest award for a very fine ornamental Gilt Frame of Table.

The specimens of Gilding by Messrs. NILS & KOLLMEYER, also by Miss LEKENS, are fine, and deserve notice.

Class XVI.

SUB-DIVISION II.

Woolen Goods, Etc.

COMMITTEE:

A. AUSTIN, SIEGMUND HERMAN,
C. H. HARRISON, M. M. NOAH.

Report:

We the undersigned, appointed a committee to award premiums on Woolen Goods, would most respectfully submit a brief report of what has come to our knowledge in reference to woolen manufactures, in our opinion the most important branch of industry which has ever been undertaken in our State.

California owes much to the enterprise and energy of the gentlemen who have brought this important industrial feature to such perfection that it is impossible to import goods of the same grade and sell them in competition, our home-made goods being superior in fineness of material and in general finish. During the past year both mills have extended their capacities for the manufacture of cloths for general use and produced cloth for military and civic wear, which is very good in quality, finish and harmony of coloring, and much better adapted for the climate of the Pacific coast than the imported article.

It also affords us much pleasure to call attention to another branch of equal importance—viz: manufacturing carpets, lately inaugurated by the Mission Mills, which exhibits an article of what is known as "the Ingrain," and equal to imported in design and coloring. The State of California and the surrounding Territories being only equalled by Australia for wool growing, this fact, with the well known energy and the ample means of the present proprietors of the woolen mills, is a guarantee that this branch of industry is yet destined to be a very important feature in the commercial progress of our State.

We also take an opportunity of stating that the woolen manufacturing interests are deserving of every protection and encouragement, and are well worthy of the fostering care of our Legislature in offering inducements in the way of premiums for the best manufactured articles of their various fabrics. By so doing they would create a worthy rivalry, besides encouraging improvements in manufactures, benefitting the community at large.

It is also worthy of remark that every article made by either of the mills is all wool, imported goods of similar grade very often, if not always, being mixed with cotton in more or less quantity.

With these few remarks we will, before informing you of the awards, state on what grounds our conclusions were arrived at. We were told that a representative of each mill had classed together the same grade of goods of their respective factories, but we were not advised of the prices asked by either mill for the goods shown us. We are, therefore, in ignorance whether the articles awarded the first premiums are sold for the same price, or higher or lower. By this we desire that you should understand that our decisions are only applicable to the quality of the fabric presented us, and can in no way be considered a decision in favor of one mill more than another as a factory. We are inclined to the belief that with the same materials the one factory can do as well as the other, and we further believe that no test can be made unless the same material is known to be used by each mill, and such being known, the mill that can make the best and sell the cheapest is the one entitled to the first premium. Now as no such course has been followed, we can only award the first premium for the qualifications mentioned—viz: that of which of the two mills has the best articles on exhibition, and which we do as follows:—

Blankets—Washoe, Mission Mills; Sinice, do.; India, Pioneer Mills; Family: three grades were exhibited by each mill, the award for each was given to the Mission Mills.

In Flannels, three classes were exhibited—viz: White, gray and red, and awarded as follows:—White, Mission Mills; Red, do.; Gray, Pioneer Mills.

In the exhibit of Cloths, which was very creditable and beyond our expectations, and would do honor to any European market, the award was given to the Mission Mills. Military Cloth, dark and light blue, awarded to the Mission Mills.

The Mission Mills are also entitled to the award for the most extensive and varied assortment of goods.

In the opinion of your committee, the Mission Mills are also entitled to a special and marked premium for the carpet exhibited by them, although no competition was made.

Your committee would also award a special premium to the Pioneer Mills for their manufacture of undershirts and drawers, although no competition was made.

Although the Mission Mills received the largest number of awards, your committee would be derelict did they not unite in making commendable and favorable mention of the different articles from the Pioneer Mills, and would recommend that the Mechanics' Institute, in its future Fairs, should stipulate that woolen goods offered for competition shall be taken from the stocks on sale of each factory.

All of which is most respectfully submitted.

HOME FINANCES.

The money market is substantially unchanged, and no pressure was observable on steamer day, in mercantile circles, or among general borrowers. The business community are not requiring much accommodation at this juncture, and meet with no difficulty in obtaining all the facilities needed. Good mercantile paper is somewhat scarce, and is now rarely seen except in the portfolio of the banker. The supply of money is increasing steadily, and the evident tendency of the market is to greater ease. The capital of some of the foreign banking institutions recently established here has been at their credit in the East for some time past, and is now drawn for. This is therefore an absolute addition to the available means of the community, and will exert a beneficial influence. An impression prevails in certain quarters that the rate of interest will fall to one per cent. before the 1st of January, if no disturbing element should manifest itself meanwhile and all the material interests of the country remain in a prosperous a condition as at present.

The receipts of treasure from the interior and north coast since Saturday have been unusually large, and amounted to some $2,000,000. Of this sum $400,000 was taken by the Branch Mint, $600,000 went to China, and $1,000,000 was shipped per the Golden City to New York and England. The demand for bullion for shipping purposes was fair, on Thursday, at about 845 for gold bars, and from one per cent premium to two and a half per cent discount for silver.

Currency bills on the Atlantic were sold on steamer day at 110@112½ per cent premium on gold. Telegraphic Transfers were offered at five per cent premium, and drafts payable in coin at 3@3½, although it is contended that no profit is made by the seller at these rates. Sterling is selling at 48½@49*d* for bankers'. Legal Tender Notes have dropped to 45½@46 per cent.

EASTERN FINANCES.

The overland mail brings Eastern market advices to the 10th ult. Political affairs and the military situation were exerting a material influence in commercial and financial circles, contributing still further to unsettle all values, and to demoralize the general trade. At the above date all classes seem to be curtailing their liabilities, and were striving to realize upon stocks of merchandise and other property, in view of the expected decline in gold. A panic had prevailed, and many parties were, it was thought, acting with impatient haste and an utter want of discretion. Leading mercantile houses, in the dry goods trade, had marked down a large portion of their stock twenty to thirty per cent; but even at this decline there seemed to less demand than there had been at higher rates. Gold had fallen, during the first ten days in October, to 180, and rallied to 192 @195, but there was no confidence felt in the stability of the market, and it was therefore deemed the part of prudence to prepare for the inevitable crash which was supposed to await them in the future.

The causes of the depression, which we have alluded to before, are not fictitious or transitory, and with such a state of affairs it is well that business men have the sagacity to meet the exigencies of the time by careful preparation. From the tenor of our Eastern exchanges an unusually sluggish fall trade is anticipated. The victories of our armies and the progress of an exciting Presidential campaign, conspire to disturb the public mind, and to divert the attention of business men, more or less, from the details of trade and commerce.

Returned.—Mr. Henry S. Brooks, of the Triunfo Mining Company, has returned from the works of the company on the Peninsula, bringing a good report thereof. Some sample bars of bullion, which he brought from the mine, can be seen at Keany & Alexander's, Montgomery street.

New Mining Advertisements.—Stockholders are referred to notices published under this head in our advertising pages.

Letter from the North.—Lumber Mills, Etc.

Fort Madison, Oct. 13th, 1864.

Editors Mining Press:—Since the mines at Sooke have proved a failure, and the interest thereby seriously abated, I resolved to take a trip up Puget Sound, one of the most remarkable inland seas, both for its physical grandeur and importance to trade, that may be found upon the coast. The extent of the ship navigation, extends from the mouth of Fuca straits to Olympia, where vessels of the largest class may ride with perfect safety and penetrate into every little estuary which characterizes this sound, and through which the productions of the country may find a pass to market to all parts of the world. Taking the weekly mail steamer from Victoria, we made Port Angelos, directly across the straits, distance ten miles. This is the only port of entry on the sound, where all vessels from foreign ports must enter and clear. It has no other significance than as the residence of the collector of customs; and it is located behind a spit, which sweeps gracefully up the coast for the distance of five miles. Our baggage having undergone inspection we were at liberty to move on unmolested. A few miles further along, enclosed in a semi-circular spit, is New Dangeness. Here is a steam saw mill, which embodies the whole interest of the town. A few miles further on, up an estuary of deep soundings, is Port Discovery, a place also extensively engaged in the lumber trade. Our second stopping place was at Port Townsend, formerly the port of entry. It is a thrifty looking place, has several fine buildings and a masonic hall, all of which impressed me with its prosperity. It is sustained more by the agricultural interest by which it is surrounded, than by the chief staple of manufacture, which will ever be the characteristic feature among the many thriving towns on the sound.

Port Ludlow is noted for its lumber trade exclusively. It is a few miles beyond Port Townsend, and adjoining is the military reserve, where several white buildings may be seen, but which now, to use a naval expression, are laid up "in ordinary," or in other words, not in use. I was informed that behind the reserve is an open prairie, containing some fine farming lands and improvements. Port Gamble our next stopping place, is also a large lumber manufacturing town, and is held exclusively by Messrs. Pope & Talbott, of San Francisco, who do a large business in that trade. In connection with the mill they own several large vessels, employed in the trade, and out of the seven awaiting their turn to load, one was bound to Adelaide, one to Valparaiso; the balance to San Francisco. Twenty-three miles from Port Gamble, by water, is Port Madison, situated on an Island and sheltered within a small cove, almost land locked. This place is owned by Messrs. Meigs & Gawley, whose office is at the foot of Market street, San Francisco. It is exclusively a lumber manufacturing town. The firm own, on the Island, 6,000 acres of timber land and are erecting on the ruins of their old mill, burned down in June last, a commodious mill, which, when complete in all its apartments, will be the best mill on this coast, or, indeed, I may say, of any other. It is 330 feet long, 75 feet wide, and two stories high. They have it already enclosed with a roof and are running one large circular, and are fitting up other machinery, including Edger's gang saws, planing and lath mills. In connection is a machine shop and foundry, where all sorts of machinery can be turned out, and, although they seek not for custom work, nevertheless they do a little of that class for courtesy. The U. S. Steamer Shubrick, stationed on the sound, recently put in there for repairs to her machinery, and had it been necessary she could find her machinery over hauled as completely, perhaps, as in San Francisco. The whole management of this concern, so far as the working appointments are concerned, is under the control of the able superintendent, Mr. Wm. Coleman, whose ingenious and constructive talents are duly appreciated by the firm, as well as the community in which he resides. It is astonishing with what clock-like precision every department is carried on, bleading into one great whole the master spirit and element of success. This order is also a marked feature in the social relations of the company towards their workmen, in consequence of which they have drawn around them a highly respectable class of mechanics with their families, so unlike the trash too often found in large lumber districts. As the firm own and control the soil, an ardent spirits or gambling is allowed about the place. As an intellectual desideratum a large library is organized, a school established, and the masonic fraternity has a well organized and successful existence. A well regulated hotel, upon strictly temperance principles, where the traveller can find the comforts of home, is no small item, wherever we may wander, and here it may be found. In connection with the mill, this firm own six first class ships engaged in the trade, together with a large steam propeller used to tow log rafts to the mill. Upon the whole I don't know when I have been better entertained, than in this well regulated and social community, during a residence of three weeks. D.

Another Exposure.—A lengthy description of the disgusting and rascally thieving transactions of Moses Frank, President of the Utah Mining Company, living in San Francisco, and the Superintendent, Baum, residing at Aurora, has been brought to light by the publication of their private letters. The manner in which villains can steal, in conducting mining operations, before the eyes of their Trustees, is astonishingly well illustrated. Frank is under arrest, and should he made to take a long sweat for his dastardly villainy. There are more of his tribe still in position who will bear watching. The work of purification in mining business, we are happy to see, continues. The good results will surely follow. Smoke away, we say, and bring out the lazy, thieving swine—root, branch, hoofs and all.

Correspondence.—Our "Ione Correspondence" is from a well known and reliable author. Some very interesting facts and much information concerning lumbering improvements will be found in our well presented communication "From the North." Of the article concerning "Our Iron Clad Navy," we cannot speak too highly, and we desire to hear from our New York friend regularly.

Owens River Canal Company.—We have received a prospectus of this company, which was recently issued in New York. The President, Mr. R. S. Whigham, is now in that city presenting the interests of the company to Eastern capitalists, and we hope he will succeed in gaining their money and influence for carrying out the plans of their grand undertaking.

The State of Nevada.—The announcement that the President had given his signature for the admission of Nevada Territory, as the thirty-sixth State of the Union, was joyfully received on the 31st of October.

We owe our Nevada county cotemporaries acknowledgments for kind notices of our senior partner, which we would give our readers but for his extreme modesty in such matters. He has not returned yet.

Nitrate of Soda.—It is said that watering strawberries with water in which *nitrate of soda* has been dissolved, to the amount of one ounce of soda to a gallon of water, will help the plants to produce a wonderful crop.

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with a general report of the Executive Committee, will appear in due time.

Advertising Circular.

The Proprietors of the Mining and Scientific Press would call the especial attention of Mining Secretaries, Trustees and Shareholders, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The Press enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the Press is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the Press, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the Press or some other paper.

6th. Many copies of the Press are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the Press, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

Last, but not Least.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the Press shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,
Publishers of the Mining and Scientific Press, Nos. 56 & 57 Government House, Corner of Washington and Sansome streets, San Francisco.

Mining Companies and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly headed, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the Mining and Scientific Press on application at the office

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.
Office, 57 Government House, corner Washington and Sansome streets, San Francisco.

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
A. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

Mount Haleakala, Sandwich Islands.

A lady correspondent of the *Alta* writes:—

Mount Halcakala, or "house of the sun," rises in lofty grandeur, with a drapery of soft, fleecy clouds thrown around it. It is 10,000 feet above the level of the sea, and is a vast, dome-like mountain, in the form of an obtuse cone. The crater on its summit is 2,000 feet deep and 15 miles in diameter. Its fires have long since gone out, and vegetation now clothes its sides, where once the red hot billows of lava clashed against it, and birds twitter their wild glee notes, in return answered back by their mocking echoes. It is second only to Kilauea in point of attraction to the stranger visiting the Islands. It is seventeen miles distant from Makawao, and the ascent being gradual, the summit is easily attained, affording a pleasant horseback excursion. We started early in the morning, with a pleasant party, and arrived at the crater in six hours. The mountain is overgrown with vegetation, and the *ohelo*, a species of whortleberry, and the *poha*, the native gooseberry, and strawberries, grow on its sides in wild profusion. Ascending the first few miles the trail is quite smooth, but as you approach the summit the overflow of lava has formed a rough surface broken up in sharp-pointed rocks. About two miles from the summit there is a large cave, which affords a good shelter for those who wish to camp out and view the magnificent sunrise scene of Mauna Haleakala.

Among the lava rocks at the summit a singular plant is found, called the "Silver Sword." It shoots up several feet in a spear-like shape, from which hang green blossoms, while the base sends out long sword-shaped leaves of as bright silvery hue as the precious metal itself, presenting a beautiful appearance. It seems to flourish in barren lava soil alone, and if the excursionist should return with a specimen of the plant it is considered proof positive that one has made the ascent of Haleakala. From the great height and rarity of the atmosphere, persons often experience great difficulty of respiration—often causing a hemorrhage. The immense size of this crater impresses one with wonder, while the extensive view and scenery from its heights, with islands, mountains and valleys spread out beneath you like a map, is grand beyond description. A sunrise and sunset view shows better the true beauty of the scenery. The excursionist needs to be well provided with warm and water proof clothing, as the air at this height is freezing chilly, and often overspread with clouds and bathed in rain. In a clear day Mt. Haleakala often seems to repose on a bed of clouds, and as the wind sweeps them over the plains beneath or lifts them from valley to valley, sometimes covering all as with a veil of mist, and again curl after curl of this fleecy drapery lifting and floating off, or dancing along, hanging caressingly on its sides, the exquisite varying changes present a beautiful appearance.

A FREAK OF NATURE.—An emigrant boy arrived, a few days since, according to the Stockton *Independent*, having only two toes on each foot. His great toes were of extraordinary length and extremely crooked, very much resembling the claws of a crab. What makes the matter still more astonishing, the boy, it is said, belongs to a family whose hands and feet are all similar to his own.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-m

REVOLVING
IRON AND WOOD SHUTTERS
— FOR —
Buildings and Safes,
Manufactured by
ALEXANDER GRAFTON & CO., LONDON.
TO BE HAD OF
BROCK JOHNSON,
No. 28 Government House, corner of Washington and Sansome Streets, San Francisco, at front
Three to Five Shillings per Superficial Foot, Including All Winding Gear Ready for Fixing.
Every Description of Brass Sash Bars and Stall Plates Manufactured to Drawings and Specifications, from Three Shillings per Foot run. 16-tf

WARRIN, SMITH & CO.,
Commission Merchants.
— ALSO —
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 613 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Professional Cards.

W. O. ANDREWS,
NOTARY PUBLIC,
— AND —
Commissioner of Deeds for the Territo- of Nevada and Arizona,
AND FOR THE
STATES OF MASSACHUSETTS AND MAINE.
Office, Montgomery Block, 626 Montgomery Street,
10v8-2m SAN FRANCISCO.

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Salher & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

T. C. SANBORN & CO.,
MR. T. C. SANBORN having resumed business at the Stock Exchange, will, from this date, attend to orders for the purchase or sale of Mining Shares and other Securities.
613, corner Montgomery & Merchant sts.
San Francisco, October 22, 1864. 18v9-tf

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 723 Montgomery street, Rooms Nos. 2 and 3. 1v9m

FREDERICK MANSELL,
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.
Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

N. LOMBARD INGOLS,
Accountant and General Factor,
310 & 706 Montgomery Street, and
Room No. 24 Government House,
Corner Washington and Sansome Streets, San Francisco.
Address Box 2128, Post Office, San Francisco. 18v9

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

W. W. HANSCOM,
Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
First Street, San Francisco.
tf.

LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.
7v9-tf Office, 328 Montgomery street.

Beware of Chloroform!
TEETH extracted without pain by the use of an apparatus wherewith no Drugs are used. Being a local agent applied to the gums only, no fear need be entertained, as it is sure and safe. All operations appertaining to the Dental Art performed in a skilful manner. Teeth inserted in every style.
DR. E. BELLE, Dentist.
No. 408 Pine street, near Montgomery. 17

G. F. DEETKEN,
MINING ENGINEER.
HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.
Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.
My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 406 Montgomery street. 15-tf
San Francisco, October 1st, 1864.

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

Evening Instruction in Anylitical Chemistry and Assaying,
Conducted by Thomas Price.
(Agent for the Swansea Ore Importers in California.)
HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

BOOKKEEPING.
YOUNG MEN CAN ACQUIRE A COMPLETE BUSINESS Education by taking a course of Bookkeeping and Commercial Calculations at the Counting rooms of PROF. LUTY, 305 Montgomery Street. The course of study prescribed for his students is more extensive and thorough than any other in the city. Penmanship taught on the Spencerian system. Charges reasonable. 7-2m

Trades and Manufactures.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. 12-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

JOHN DANIEL,
(SUCCESSOR TO O. GORI)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 6v8-3m

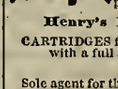
HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.
THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.)
— MANUFACTURERS AND IMPORTERS OF —
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, ETC.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By FRONTIER & DEVIERCY.
437 Pine Street, San Francisco.
nu31tf.

Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Ounny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
11v8-m 313 and 315 Davis Street, San Francisco

J. H. GAUSH, J. A. PEER, W. BUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
— ALSO —
WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ SCROLL SAWING DONE TO ORDER. ☜
Fremont St., between Market and Mission, San Francisco.
3-3m

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.
Henry's Repeating and other Rifles.
CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.
Sole agent for the sale of the celebrated "Orecner" London guns. **WILSON & EVANS,**
613 Clay street, San Francisco.
122 J street, Sacramento. 3-6m

H. Manneck & Co.,
Manufacturers of every description of
PAPER BOXES,
AND DEALERS IN
Straw Board and Fancy Papers,
Commercial Buildings, Northwest corner of Battery and Pine streets—entrance on Pine, San Francisco.
H. HANNECK & CO. are the only persons on this Coast who manufacture Paper Boxes by Machinery, consequently they can fill orders at a lower rate than any competitor.
☞ All orders promptly attended to ☜
F. STAMPFLI. [16] H. MANNECK.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Waukee Herald.*

Metallurgy.

G. E. MOORE,
Assayer and Analytical Chemist,
Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Gumos, etc., with accuracy and dispatch. No. 334 Montgomery Street.
REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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Practical Assays for Silver and Gold, in small and large quantities, by Smelting, Chlorination and Pan Manipulation.
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Working assays made of small lots, and all kinds of ores crushed at short notice.
Our new and complete Machinery, will enable us to give results fully up to the merits of rock.
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San Francisco, Oct. 13, 1863. 32tf

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PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.
This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.
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Minerals of California.

We often hear, says the *Bulletin*, outside of California, of the high value and extended use of metals and minerals which abound in immense deposits in the Pacific domain. Bismuth, which is exclusively used in type-making and the mechanic arts, and is now very high and scarce, is said also to be found plentifully in one of our mineral formations. Antimony exists in immense masses near the Tejon, and can be carted away from the top of the ground, of very rich quality, and is said to contain a very handsome ley of silver. Zinc and tin, which are now very expensive metals, are met with in valuable lodes in the counties of Mono and Los Angeles. Chromic iron is found in immense abundance in Monterey and other southern districts. Iridium, osmium and platina are not scarce in the gold washings of Klamath and Del Norte counties, and discoveries of these have also lately been made in Tulare. The sulphur deposits of Clear Lake and those of Nevada Territory are on a magnificent scale and of the purest quality. Borax can be gathered by bushels nearly free from extraneous matter, and there is no end of it seemingly, in the mountains of Lake county, where obsidian or volcanic glass, ready to make wine bottles at a blow, is as plentiful as the world wants—a true mine of glass. Of kaolin of the finest quality there is no end; and of umber, tierra sienna, paint ochres of different colors, manganese and magnesian earths there is great plenty. As California has some of the purest aluminous clays in abundance, the new metal alumina could likely be profitably made. As to copperas, soda, alum, copper, agate, chalcedony, hematito and such like substances, there is no end of them. It would be interesting and important to owners of lands in which the various minerals above mentioned exist, to learn the markets and places of demand for them in Europe and the Atlantic States, and the prices which they ordinarily command there. Perhaps some correspondent who is familiar with the subject may have a few words to say about it.

WORKING SILVER ORES.—A great deal of disappointment and dissatisfaction will be certain to arise in the several new mining districts on this slope of the Sierras, mainly owing to parties undertaking the erection and running of mills, that are totally ignorant of any process for working silver ores. There is probably none of the metals that require more aid from the chemist and metallurgist to extract it from its ore, than silver; and yet parties wholly ignorant of either science erect a stamp mill, obtain a few iron pans, and then notify the world that they are prepared to do custom work; the result from which can be readily given in advance with prophetic certainty—the ore does not pay, and is condemned by the mill-owner, and, *vice versa*, the owner of the mine damns the mill. The ores in Alpine, so far as we have examined, contain silver in three different combinations—viz: argentiferous galena, black sulphuret, and native chloride of silver—the most being found in the black sulphuret form. Now each of the three combinations require a different process to extract the silver therefrom. Roasting furnaces have become necessary in nearly all operations in working silver ores, while in some cases smelting has to be resorted to in order to work it successfully. Now, if the owner of a mine takes ore to a mill, the superintendent of which is wholly ignorant of the character of the ore, the result of his working the same, in nine cases out of ten, will be a failure.—*Monitor Gazette.*

NEW VOLUME.—The *Mining and Scientific Press*, published at San Francisco, has entered upon its fifth year of existence. It has been enlarged to a sixteen page paper, and is flourishing like a green bay tree. (We don't insinuate that it is pickled.)—*Red Bluff Independent.*

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the Press, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

Miscellaneous.

BLASTING

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AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.

Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. No order for Bonds and Stocks, 10 per cent. the par value is always required.

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The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated

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ENLARGER.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the Press upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

1852. 1864.

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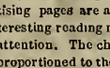

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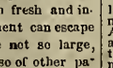

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IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all Interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

Hepburn & Peterson's

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THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

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Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.] HEPBURN & PETERSON.
nov8 3m*

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PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

DUNBAR'S

PATENT SELF-ADJUSTING

Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINERY are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

Disney's Cylinder Amalgamator.

The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

IMPROVED WATER-WHEEL,

— PATENTED BY —

JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 800 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

HUNT'S

IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with common wrenches, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

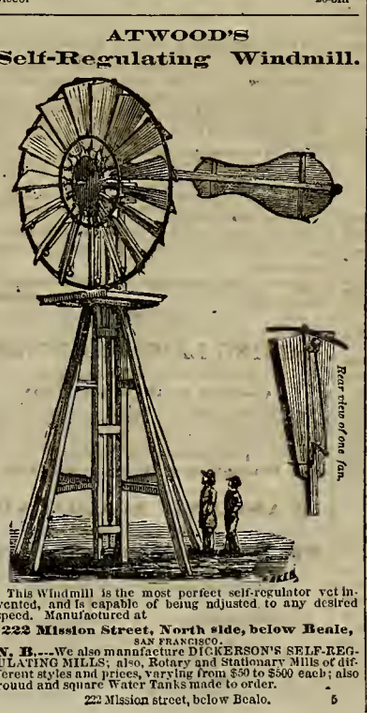
☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S

Self-Regulating Windmill.



This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and in operation at the NOVELTY IRON WORKS of E. T. Steen, Nos. 37 & 39 Fremont street, between Mission and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine entirely of Iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will do Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish, as he says for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 25 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,
At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
15-1m

BLAKE'S

QUARTZ BREAKER,

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are pale and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
— AND —
THE ATLANTIC STATES.

Machines, or circulars containing further information may be obtained of the undersigned.

BLAKE & TYLER,
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-

SALMON'S

PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in milling in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either Stone or Iron bottom. Opposite each other, and on the side of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, wither for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current contrary to that usually on the quicksilver at the bottom and under the grinding surface of the mullers. This is peculiarly of proper screw and side wings, in combination with a deep tub is what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON.

To whom all orders should be addressed.

Hudson's Improved Pump,

(Specimen on Exhibition in the Pavilion.)

Plumbing and Gas Fitting in all its Branches.

A. J. SMITH.
No. 33 Webb Street. 9-1fr

Miscellaneous.

KELLOGG'S PATENT

IMPROVED NEWBURY

PRINTING PRESS.

This New, Cheap, and most Desirable

JOB PRINTING PRESS

Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.

Kellogg's Improvement

Is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or apprentice, who understands working the Washington hand press, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, **L. M. KELLOGG.**
October 29th, 1864. San Francisco.

Pacific Mail Steamship Company

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF

NOVEMBER, 1864.

Nov. 3—GOLDEN CITY. ... .Capt. Wm. F. Lapidge.
Nov. 12—GOLDEN AGE.....Capt. E. S. Fransworth.
Nov. 23—CONSTITUTION.....Capt. J. T. Watkins.

From Folsom street Wharf,

At 9 o'clock A. M., Punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

ETNER WANTED.—Almost every duy, as ye glances over the columns of advertise-s, it rests upon " Partner Wanted," some-in great capitals, with a file of astonish-then in Lilliputs of letters, with a single mation point to challenge udmiration, gain with a pluin sober period, nud noth-nore.

"Partner wanted." Of conrse everybody a partner, from the rag man, with his nd hook, to him whose ships flock into like doves to the windows."

rtner wanted in everything "lovely nnd of report;" in everything worthy und un-y; in crimo and christianity; in lumber iterature. What could be done without ttle " & Co?" Strike it out of existeuco. nterprise wnnld be n wreck the world coal yurds would boast no anthracite, no commerce, school rooms would be ess, nnd pupils without a teacher.

ery day we see three-line notices of part-found, when Decembor marries May, nnd ary is wedded to June, and the device is tar and a cradle.

ery day, beneath a willow and an urn, ye rests upon notices of partners lost, stars nro quenched in the morning, or summer days are hidden beneath the cold cloud of night and death.

"Partners wanted!" Why, down through cale of being to the very brink of nothing, thing advertises for a partner. Tho voice e turtle calls for its mute in tho shadows, s in pairs are wedded at the closing gates y; the arms of forest trees extend and lock, and build up the strong old Gothic s of the woods, and defy tempest and ; love-tokens and pledges of partuership invisible as thnught through the orchard e with spring's sweet drift of life.

rtnership is a synonym of life. There is ne thiug made to be alone, and yet that one dissolves all partnerships; for youth nud night and morning, sooner or later, to-day -morrow, will be married to it—" married death."

FARRAND'S
Oscillating Amalgamator,

RECEIVED THE

ONLY PREMIUM

AWARDED FOR AMAGAMATORS

At the Recent Industrial Fair

OF THE

Mechanic's Institute of San Francisco.

Committee of Awards.

LDEN, W. T. CARRATT, H. P. WAKELEE,
MI, GEO. JOHNSON, C. M. RADCLIFF.

Premium Amalgamator was placed on trial, nt the anics' Pavilion, with the Varney, Wheeler & Randall, ebburn & Peterson Pan, each working eight hundred s of crushed rock.

Unrivaled Amalgamator possesses many ndvnntages ll others now in use.

It is cnpable of doing double the amount of work of linary Pans, nt n saving of more than one-half of the

It reduces the pulp finer, theroby producing n better

It requires less quicksilver by one-half at a charge, the lossby trituration is comparatively nothiug.

As an Amalgamator of gold contained in sulppurets, for very fine or flour gold, it has no equal.

This Amalgamator involves no complicated machin-nd is less liable to get out of order than nny of the

nufnctnred nt the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,

. OGDEN, Agent, SAN FRANCISCO.

E. corner Montgomery nnd California streets.

9

QUICKSILVER

FOR SALE BY

F. BUTTERWORTH,

Corner Front and Jackson Streets,

9 SAN FRANCISCO.

For Sale Cheap,

oiler and Engine, in complete order, of the capacity **wenty-five Horse Power.**

Inquire at this office.

LARTIONS, STATUS QUO, DECREASE.—When the body daily s what it wears ont, it remains in *status quo*; with this tion, our appetite good, health continues. But we de-e in health when these necessities of nature do not ce-Brandreth's Pills insure these important conditions, the bowels to regnlarity, and purify the blood. Sold y druggists.

New Mining Notices.

e Ledge Gold and Silver Quartz Mining ipany, Kelsey District, El Dorado county, California. ice.—There are delinquent upon the following describ-ck on account of Assessment levied on the 5th day of er, 1864, the several amounts set opposite the names of spective shareholders, as follows:

nes.	No. Certificate.	No. Shares	Amount
, Joseph Y	1001	3	$3 75
t, Lewis	1175 1847	22	27 50
rson, John Jr	1415	1	1 25
, John 1915 1913 1911	1909	13	16¾
, Wm H	2005 2003	10	12 50
, Valentine	1374	5	6 25
nson, B M	2347 2346	15	18 75
, L B	2397 2396	20	25 00
way, S H	1390	10	12 50
er, Frederick	1380	10	12 50
W W	774	10	12 50

Blohm, Peter		836	10		12 50
Bnxbee, John F		840	5		6 25
Bnxbee, R G	842	843	20		25 00
Boyd, James T		872	10		12 50
Bratlicowich, Luca		597	5		6 25
Briggs, B F	2429 2428	1573	22		27 50
Bell, Robert		1148	1		1 25
Barstow, J		1343	5		0 25
Beaty, John		1555	3		3 75
Brown, Henry S 2748 2747		1747	35		43 75
Bomeister, Sarah J		1740	5		0 25
Buehcbler, R G		1760	25		31 25
Bloomer, T	2631	1951	10		12 50
Bomeister, M F		2011	2		2 50
Bosquet, Andrew		2559	1558		
		2067	2066	55	68 75
Bowdon, C S		2509	2508	10	12 50
Boden, John H	2611 2610	2609		25	31 25
Bluxome, J		2672		5	6 25
Brigham, M L		1566		8	10 00
Bowley, H L	2344	2443		25	31 25
Buquetti, A		2838		20	25 00
Chalmers, George		248		10	12 50
Chalmers, Robert		1353	1350		
		1354	1352	30	37 50
Curtis, John		961		10	12 50
Casas, F B de las		995		5	6 25
Cobb, Walter		1403	810	10	12 50
Chandler, Rich D 2600		2547	823	50	62 50
Cleary, Thos J			1123	5	6 25
Chamberlain, J P			1135	5	6 25
Chapman, James			1453	10	12 50
Cantin, J P		2770	2552	20	25 00
Corlett, Wm	1813	1811	1809	25	31 25
Clark, Rodney			2395	10	12 50
Cook, Francis			2403	10	12 50
Carpenter, C A		2512	2511	5	6 25
Charles, T C		2908	2568	13	16 25
Carter, Mrs H A R			2610	1	1 25
Chadbourne, Joseph			2769	20	25 00
Cantin & Everett		2905	2904	24	28 75
Dow, Martin			793	10	12 50
Davis, Luther			518	25	81 25
Davison, R G			601	15	18 78
Decker, Martin		1236	1234		
		1121	747	25	31 25
Dager, J W			2419	30	37 50
Downer, Thos P		2013	1613	10	12 50
Day, Henry		1332	1222	5	6 25
Dougherty, B		2577	2576	13	16 25
Darling, John E		2627	2620	15	18 75
Derby, E M	2735	2734	2733		
		2732	2731	80	100 00
Elkers, L			942	18	12 50
Eldridge, J O			1025	5	6 25
Edwards, L B		1295	1269	10	12 50
Ellerhorst, H D		2472	1463	40	50 00
Englemeyer, Cco			1773	8	10 00
Everett, A F		2718	2569	20	25 00
Eklof, S L			2705	5	8 25
Edwards, Cbas W A		2800	2709		
	2798 2797	2790	2795	2794	
	2855	2854	2852	2851	180 200 00
Fogg, P S			1833	1	1 25
Foy, John J		2468	1059	15	18 75
Farrow, M T			1979	15	6 25
Foster, W W			2005	5	6 25
Flannegan, Edward			2670	5	6 25
Graves, Edward S			1805	5	0 25
Grant, M E			2014	10	12 50
Gallego, Francisco			1779	5	6 25
Gerry, F F			1757	5	6 25
Goldman, J A			2431	10	12 50
Gifford, Thomas		2062	2264	15	18 75
Gill, H B		2582	2581	10	12 50
Guthrie, J B			2684	10	12 50
Godfrey, Christopher		2715	2712		
			2711	80	75 00
Giuste, Joseph			2744	5	6 25
Hannegan, Robert			830	5	5 25
Hollinshead, J V			720	2½	3 12
Haywood, E B		1409	1057	7½	9 37
Houbs, Gilmore & Co			1085	15	18 75
Hulbert, H P			1235	5	8 25
Holfie, Henry			1253	5	8 25
Haskill, E P			1257	5	6 25
Hulse, DeWitt	1861	1571	993	25	31 25
Henderson, John		2583	1619		
		1597	1377	69	73 75
Hull, Edwd L	2526	2089	2087	20	25 00
Hull, George			1447	2½	3 12
Heuchel, H L	2608	2607	1625	45	56 25
Hopper, J H			1847	10	12 50
Harris, Isaiah			1703	4	5 00
Hammau, W H			1737	5	6 25
Haynes, Nahan			1845	10	12 50
Heath, R W & Co			2322	10	12 50
Hamblin, Chas C		2198	1901	9	11 25
Hinkley, Daniel		2158	1957	20	25 00
Huff, Harry Stevens			2126	1	1 25
Hunter, W H			2332	2331	30 37 50
Huff, O B	2655	2654	2584	50	62 50
Huff, Wm B			2591	2589	25 31 25
Harrington, J C				2632	10 12 50
Hayden, M	2638	2637	2636		30 37 50
Hawkhurst, W		2661	2660		30 37 50
Harding, John			2706		25 31 25
Hughes, Matthew			1364		8 10 00
Hayden, C W			2793		10 12 50
Ingoldshy, L D		2478	2476		25 31 25
Isaacs, C J			1935		2 2 50
Jellings, Edw	1889	719	718	578	8½ 10 62
Johnson, Joseph M		2507	2505		15 18 75
Johnson & Reay		1639	1359		
		1357	1355		43 53 75
Jenkins, J S			2314		5 8 25
King, John	1825	1707	1133	837	35 43 75
Keru, Samuel T			1029		5 8 25
Kern, John		2178	1459		
		1143	1141		40 50 00
Kimball, M C	1765	1763	1715		
		1617	1585		40 50 00
Kleinhaus, John		2480	2479		
		2208	2207		20 25 00
Koch, Edward			2357		4 5 00
King, J C			2740		10 12 50
Kennedy, T's H	2830	2829	2829		80 100 00
Lewis, F R	1014	1012	577		16 20 00
Lowell, N R			724		1 1 25
Lyle, F B			833		5 6 25
Lastig, Isig			937		5 8 25
Lyman, Charloa		2817	1581		15 18 75
Lewis & Co			1177		6 8 75
Leonard, E W		2030	2029		29 36 25
Lovell, Wm			2540		20 25 00
Lloyd, Jno S	2768	2767	2766		25 31 25
Marshall, James W		1368	131		29 36 25
Miller, George	1328	1324	1322		
	1320	1316	1314	1334	110 137 50
Marble, Mrs A L			837		5 8 25
Mahler, Henry		1154	951		5 8 25
Morrison, Gorge H		2364	2001		
			1015		20 25 00
Maxfield, E F			1159		10 12 50
Meade, Jno F			1229		5 6 25
McLean, Peter			1251		10 12 50
Myrick, Joseph			1587		10 12 50
Marsh, N F			1651		5 6 25
Manchester, Benjamin F			2197		5 7 50
Moffitt, George			2751		5 0 25
Merrill, Amos		2644	2291		15 18 75
McKee, Wm R			2329		20 25 00
Montagnie, J E de la		2742	2724		
	2722	2721	2718	2650	2345 86 107 50
Monohan, Wm			2331		10 12 50
McDonald, W		2473	2413		10 12 50
Mitchell, Jas C		2669	2603		20 25 00
Moron, Benj			2745		5 6 25
Nickols, R J		1271	1255		15 18 75
Murdock, A H			2770		5 6 25
Newhall, Wm M	1065	1063	1061		13 16 25
Norton, Chas B			1579		10 12 50

Nickols, Maria C			1287	5	6 25
Nelson, James			1392	30	37 50
Neal, Wm W		2621	2620	40	50 00
O'Hara, Henry			1077	5	6 25
Ohlberts, Robert			2755	20	25 00
Pennell, J T	827	681	580	7	8 75
Phelan, George E			700	5	6 25
Pinkerton, W C	1389	1139	1137		
			746	25	31 25
Poole, J H			1015	10	12 50
Parker, John			1152	1	1 25
Partridge, R R			1771	25	31 25
Prasser, W J		1240	1238	10	12 50
Partridge, J R			2461	10	12 50
Parker, R A			2622	5	6 25
Post, V U	2850	2849	2848	2847	
	2846	2845	2842	1841	1388 73 91 25
Phelan, J G			2756	10	12 50
Perkins, J G			2803	5	6 25
Ryder, J T			949	5	6 25
Robinson, D N			1486	2½	3 12
Rice, Wm	2911	2910	2601	2910	
			2915	30	37 50
Ring, Peter			2599	10	12 50
Shepard, A J			42	10	12 50
Sheldon, John P		2293	1411	5½	6 87
Shoemaker, J W			1289	25	31 25
Sonnenberg, Louis B	033		932	8	10 00
Shirek, Saml			1249	5	0 25
Sudden, Robert	2210	2209	2026		
			1263	33	41 25
Sage, Louis P		1333	1331	30	37 50
Selleck, Silas			1513	5	0 25
Storer, Elizabeth A			1114	2	2 50
Smith, C J			2017	3	3 75
Stevens, T H	2082	2081	2078		
	2052	2041	2039	2411	2223
			2218	172	215 00
Simmons, N	2226	2225	2156	10	12 50
Schaffer, H H	2551	2550	2549		
	2276	2275	2273	2272	2643
	2550	2555	2554	2553	2552 170 220 00
Swain, Isaac		2390	2389	30	37 50
Smith, Charles			2175	2018	30 37 50
Schofield, W C				2485	2½ 3 12
Shaw, S A				2474	5 6 25
Strauss, L				2521	10 12 50
Swain, Ann T	2849	2648	2647		
			2646	2645	35 48 75
Sherwood, George E				2607	10 12 50
Smith, W				2690	5 6 25
Smith, E	2869	2868	2867	2866	
	2865	2864	2879	2878	2877
	2874	2872	2870	2885	2884
	2883	2882	2881	2880	210 202 50
Swain, R R			2900	2899	50 62 50
Sparrow, S J				2901	20 25 00
Tobin, M E				662	10 12 50
Taft, James				1197	10 12 50
Taylor, John F			1027	1201	20 25 00
Turner, A J				1445	2½ 3 12
Tracy, T F				1068	10 12 50
Treat, Mrs M H				15 9	20 32 50
Teitman, A C		2753	2752	2751	
	2750	2288	2898	2771	2754 149 187 25
Travers, M		2827	2825	2817	80 100 00
Travis, G W				2562	10 12 50
Taylor, Oliver			2592	2890	15 18 75
Vroom, P Q	2355	1136	1291	728	40 50 00
Van Pelt, P			1016	1008	10 20 00
Van Dewater, W H				2064	5 6 25
Wright, Henry C		180	176		30 37 50
Williams, Abner	1308	976	975		30 37 50
Winter, H A			222	217	10 12 50
Weller, S B				1216	3 3 75
Weller, E				434	10 12 50
Wetherbee, C H	1469	1413		725	42 52 50
Wetherbee, C H & Isaac Cook				851	5 6 25
Willcutt, James				858	10 12 50
White & Bauer				1045	2 2 50
Werthy, E		1475	1091		5 6 25
Wiuter, Daniel				1113	10 12 50
Wilson, N I				1259	5 5 25
Wheelock, H		1951	1371		10 12 50
Wilkins, Mrs F A				1649	10 12 50
Wright, Susan				1725	10 12 50
Worthley, T R				2010	5 6 25
Wiggins, Cbas L				2259	5 6 25
Warner, Ab'm				2666	10 12 50
Wood, H H				2673	5 6 25
Windsor, Wm	2801	2786	2778		
	2777	2774	2833	2837	2836
	2834	2833	2832	2804	2802 205 331 25
Wilson, L				2815	50 62 50
Zoller, John A				2642	10 12 50

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., 327 Montgomery street, San Francisco, on the 21st day of November, 1864, at 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

V. B. POST, Secretary.

Office, Room 15 northeast corner Montgomery and Jackson streets, San Francisco, 19-3t

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment (No. 4) of twenty-five cents per share was levied upon the capital stock of said Company, payable on or before the 28th day of November, 1864, in United States Gold and Silver Coin, to the Secretary, at the office of the company in San Francisco, or to HENRY MONAIS, in Markleeville. [*Delinquents will be held for accruing costs after the 28th of November.*]

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [19-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment of $1, per share was levied upon the Capital Stock of said Company, payable on the 5th day of November, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

C. W. HAYDEN, Secretary.

Office, No. 625 Clay street, San Francisco. nov5-19-4

Jessup Copper Mining Company.—The assessment of Forty Cents on the capital stock of the above named company, levied on the 4th of October, becomes delinquent on the 5th inst. RALPH EMERSON, Secretary.

19

Keokuk Gold, Silver and Copper Mining Company. Location, Clayton Mining District, Centra Costa County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
E F Carrique	60	20	$2 00
J R Thompson	332	25	2 50
D C Peterson	340	25	2 50
D C Peterson	341	25	2 50
E S Harmon	364	50	5 00
E S Harmon	365	50	5 00
Geo F Sharp	425	200	20 00
B M Hartshorn	not issued	200	20 00
John Fricker	375	45	4 50
John Fricker	432	10	1 00
Hinckley & Co.	382	40	4 00
A F Hinchman	213	50	5 00
A F Hinchman	235	50	5 00
A F Hinchman	236	50	5 00
E Bent	502	25	2 50
G W Peterson	505	500	50 00
J Leavitt	217	50	5 00
J Leavitt	218	50	5 00
Michael Butler	319	50	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. B. WINEGAR, Secretary.

Office, No. 122 Front Street, San Francisco. 19-4t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of November, 1864, an assessment of $5 per share was levied upon the assessable capital stock of said company, payable immediately in United States Coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-5

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of October, 1864, an assessment (No. 9) of twelve and a half (12½) cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at his office, No. 53 Montgomery Block, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 2d day of December, 1864, will be advertised as delinquent on Saturday, the 3d day of December, 1864, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. FELL, Secretary.

Office, No. 53 Montgomery Block. nov29-19-4

Scott Mining and Exploring Company, Humboldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 28th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares,	Amount.
G Penalletto	24	50	$16 67
L Carter	179	10	3 33
Emmely Morehouse	156	5	1 67
P Mathison	153	10	3 33
Steve A Rendell	176	10	3 33
Steve A Rendell	160	5	1 67
C C Farmer	177	5	1 67

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 23d day of November, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. nov5-19-3

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of November, 1864, an assessment of $2.50 per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, pay to the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-4

Wilson Copper Mining Company, Garden Bar District, Placer County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 31st day of October, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 1st day of November, 1864, in United States gold and silver, coin, to Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco. nov5-19-4

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whighams Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jlf

Putnam's Clothes Wringer.

IT IS THE ONLY RELIABLE SELF-ADJUSTING WRINOer. No wood work to swell or split. No thumb-screws to get out of order. Warranted with or without cog-wheels. It took the FIRST PREMIUM at Fifty-Seven State and County Fairs in 1863, and is WITHOUT AN EXCEPTION the best Wringer ever made, Patented in the United States, England, Canada and Australia. Agents wanted in every town, and in all parts of the world. Energetic agents can make from three to ten dollars per day. Sample Wringer sent Express-paid on receipt of price. No. 2, $6.50. No. 1, $7.60. No. F, $8.50. No. A, $9.50. Manufactured and sold, wholesale and retail, by

THE PUTNAM MANUFACTURING CO.,

No 13 Platt Street, New York, Cleveland, Ohio and Bennington, Vt. S. C. NORTHROP, Agent.

What Everybody Knows,

Viz: That Iron well galvanized WILL NOT RUST; That a simple machine is better than a complicated one; That a Wringer should be self-adjusting, durable and efficient; That Thumb-Screws and Fastenings cause delay and trouble to regulate and keep in order; That wood soaked in hot water will swell, shrink and split; That wood bearings for the shaft to run in will wear out; That the Putnam Wringer, with or without cog-wheels, will not tear the clothes; That cog-wheel regulators are not essential; That the Putnam Wringer has ALL the advantages, and not one of the disadvantages above named; That all who have tested it, pronounce it the best Wringer ever made; That it will wring a Thread or a Bed-Quilt without alteration.

We might fill the paper with testimonials, but insert only a few to convince the skeptical, if such there be; and we say to all, TEST Putnam's Wringer. Test it THOROUGHLY with any and all others, and if not entirely satisfactory, return it.

Putnam Manufacturing Co:—

GENTLEMEN. I know from practical experience that Iron well galvanized with zinc will not oxydize or rust one particle. The Putnam Wringer is as near perfect as possible, and I can cheerfully recommend it to be the best in use.

Respectfully yours,
JNO. W. WHEELER. Cleveland, Ohio.

Many years experience in the galvanizing business enables me to endorse the above statements in all particulars.

Now York, Jan., 1864. JNO. C. LEFFERTS.
No. 100 Beekman St.

We have tested Putnam's Clothes Wringer by practical working, and know that it will do. It is cheap; it is simple; it requires no room, whether at work or at rest; a child can operate it. It does its duty thoroughly; it saves time and it saves wear and tear. We earnestly advise all who have much washing to do, with all intelligent persons who have any, to buy this Wringer. It will pay for itself in a year at most. HON. HORACE GREELEY.

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ENLARGEMENT.—The Mining and Scientific Press has again been enlarged by the addition of a fourth column to every page. It is conducted with ability and enterprise, and is meeting with the constantly increasing patronage which it deserves. There is a straightforwardness and fearlessness about it which we admire.—*S. F. Evangel.*

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Mining Notices--Continued.

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of October, 1864, an assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 728 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. G. FRENCH, Secretary,
Office, 728 Montgomery street, San Francisco. 17-4

Caledonia Tunnel and Mining Company, Gold Hill District, Nevada Territory. Office, No. 8 & 10, Government House, corner Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Caledonia Tunnel and Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 14th, 1864, at 2 o'clock P. M. of that day.

16-5 J. M. BUFFINGTON, Secretary.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Nevada Territory. Office, Nos. 8 & 10 Government House, corner of Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Crown Point Ravine Gold and Silver Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 21st, 1864, at 2 o'clock P. M. of that day.

oct29-18-td J. M. BUFFINGTON, Secretary.

American and Foreign Patent Agency

FOR THE

PACIFIC COAST.

DEWEY & CO., AGENTS,

AND PUBLISHERS OF

The Mining and Scientific Press,

Corner of Washington and Sansome Streets.

We would call the particular attention of INVENTORS and DISCOVERERS in ARTS, MECHANISM, METALLURGY and CHEMISTRY, to our superior advantages for soliciting Letters Patent in the United States, British Columbia, European and other Civilized Countries.

We have secured the co operative services of some of the oldest, most thorough and reliable Patent Solicitors and Attorneys at Washington, and in Foreign Countries, and our Applicants can have their claims and specifications properly and speedily prosecuted, without the delay necessarily required in transacting their business through Eastern or Foreign Agencies. For further information, address

DEWEY & CO.,
Publishers and Patent Agents.

Corner of Washington and Sansome Streets, San Francisco.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada, office, corner of Washington and Sansome streets San Francisco.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 28th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Sarah V N Lovott	41	6	$30 00
David C Lee	86	6	30 00
D Lachman 75 76 77 78	79-ea 10	50	250 00
D Lachman	80	8	40 00
D Lachman 81 82 83	84-ea 5	20	100 00
Isaac Livingston	39	5	25 00
Isaac Livingston	40	2	10 00
J H Muller	74	2	10 00
J H Marston	412	12	60 00
M O'Brien	34	2	10 00
Chas Patton	393	12½	62 50
W J Prince	72	6	30 00
John Penniman	87	10	50 00
Jas B Richardson	88	5	25 00
A S Stacy	71	6	30 00
J A Wright	90	16	80 00

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on the 16th day of November, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

oct29-18 J. M. BUFFINGTON, Secretary.

Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, Cal.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 14th day of October, 1864, an Assessment (No. 10) of $5 per share was levied on the Capital Stock of said Company, payable on the 20th day of October, 1864, in United States gold coin to the Secretary, E. J. PFEIFFER, at the office of the Company, S. W. Corner Post and Dupont streets.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary.
16-4t Office, S. W. Corner, Post and Dupont Sts.

Evening Star Gold and Silver Mining Company, Trinity District, Humboldt County, N. T.

The Annual Meeting of the Stockholders of the above company, for the election of Trustees to serve for the ensuing year, will be held at the office of the Company, No. 710 Sansomestreet, on Thursday, the 10th day of November, 1864, at one o'clock, P. M.

18-2 N. DUPERU, Secretary

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Jesus Maria Trading and Mining Company, Sonora, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 30th day of July, 1863, and on the 17th day of Augnst, 1863, October 12th, 1863, December 17 and February 23, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
James Baldwin	10	25	$31 25
Jose Inclnas	2	25	68 75
Francisco Terminall	3	25	68 75
John S Brauder	82	125	18 75
Alex T Duplgnao	1	25	68 75
R R Stain	11	25	25 00
G A Altman	12	25	31 25
John D Hogan	50 to 66	57	9 60
William Barry	11 to 15	250	31 25
Henry Smith	78 to 81	250	31 25
Michael Keelaher	19	25	31 25
Wm Hewer	13	25	31 25

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold at the office of the Company, No 35 Metropolitan Block, on the 9th day of November, 1864, at the hour of 10 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

F. D. GALLAGHER, Secretary.
16-4 Office, Room Third Floor, 35 Metropolitan Block.

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Township No. 3, Calaveras County, California.

Notice is hereby given that at a Meeting of the Board of Trustees of said Company, held on the 4th day of October, 1864, an Assessment of Forty Cents per share was levied upon the Capital Stock of said Company, payable immediately, to the Secretary, at the office of the company, No. 540 Clay Street, San Francisco, Cal.

Any stock upon which said assessment shall remain unpaid on Saturday the 5th day of November, 1864, will be advertised on that day, as delinquent, and unless payment shall be made before, will be sold on Monday the 28th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.
Office, No. 540 Clay street, San Francisco. 15-4

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, ostate,	not iss'd	22 2-3	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fido, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Great Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos	73 74 75 76 77	80	40 00
Payne, S S	9	5	2 50
Richardson, S	19 20	20	10 00
Tanner, O	8	2	1 00
Whittou, M S	bal	7¼	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Dysou, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.
Office, No. 430 Montgomery street, San Francisco. [14

POSTPONEMENT.—The above sale is postponed until Monday, November 21st, 1864, at the same hour and place. By order of the Board of Trustees.

17-4 J. WARREN CLARK, Secretary.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 10th day of October 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 7th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 12th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 26th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.
Office, south west corner Washington and Stockton streets San Francisco.

Napa Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an Assessment of thirty (30) cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of October, 1864, in United States gold and silver coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.
Office, 430 Montgomery street, San Francisco. Sale at the office of the company, at 1 o'clock P. M 17-4

Owens River Canal Company.—Annual Meeting.

Notice is hereby given, that the regular Annual Meeting of the Owens River Canal Company, for the election of officers for the ensuing year, and the transaction of any other business that may come before the meeting, will be held at the Office of the Company, Room No. 2, second floor, No 302 Montgomery street, corner Pine, at 7½ o'clock, in the evening of Saturday, the 26th day of November next.

T. L. BIBBINS, Secretary.
San Francisco, Oct. 28th, 1864. 18-td

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. CURRIE, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.
Office, Room No. 4, N. W. corner Clay and Front streets San Francisco, Cal, 19-4t

La Libertad Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of July 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 3d day of September, 1864, in United States Gold and Silver Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.
Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. 17-4t

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W. F. Leland	167	35	$8 75
Sarah J Wyman	28	5	1 25
H G Phillips		20	1 25
J H Stone		20	5 00
George Sawyer	51	10	2 50
Leonard Noyes	25	10	2 50
Ellen M Burns	75	10	2 50
A Chrisler	01	10	2 50
S B Wattsod	84	10	2 50
Mrs C McDougall	17	25	6 25
J W Sargent	83 to 49	50	15 00
Geo K Phillips	149	15	3 75
Lewis Whitlug	163	1	25
A J Ralston	166	15	3 75
Elmira C Hogden	88	5	1 25
Edward Tompkins	10	100	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.
Office, No. 411 Clay street, San Francisco. oct29-18

Providence Gold and Silver Mining Company,
Works at Nevada County, California.

Notice.—There are delinquent, upon the following described Stock, on account of assessment levied on the 16th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
C Ainsworth	74	25	$25 00
C Brooks		27½	27 50
ohn S Carter	109	20	20 00
ohn S Carter	101	20	20 00
ohn S Carter	115	10	10 00
hebe E Carter	107	5	5 00
N Davidson	25	3	3 00
Va. Davis	166	10	10 00
Vm Davis	168	20	20 00
Vm Davis	200	5	5 00
s Elliot	82	10	10 00
eorgiana Elliot	33	5	5 00
hatcher Emery	89	3	3 00
hatcher Emery	90	3	3 00
hatcher Emery	211	5	5 00
A Frey	36		50
H Huntington	34	5	50 00
A Huntington	174	10	10 00
A Huntington	35	12	12 00
A Huntington	135	5	5 00
C Loud	24	1	1 00
C Loud	134	5	5 00
C Loud			50
A Landen	151	5	5 00
S B Morey	213	10	10 00
Norcross	150	1	15 00
I Petersen	43	1	10 00
eo Pausch	58		5 00
aroline Price	203		5 00
R Richards	108	5	5 00
Rosiman	77	15	15 00
Renault	197	5	5 00
J Robbins	198	25	25 00
arla Sutherland	121	10	10 00
S Sutherland	128	10	10 00
H Shater	143	2	2 00
saac Swain	200	5	5 00
saac Swain	201	5	5 00
T Swain	207	2	2 00
T Swain	208	5	5 00
saac Tabor	78	25	25 00
T Thoburn	94	2	2 00
A Walrath	144	20	20 00
A Walrath	83	4	4 00
A Walrath	216	5	5 00
d Wellon	123	5	5 00
D F Wright	202	5	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of September, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 27 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 6th day of November, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Sansome and Washington streets, San Francisco. 17

Peña Silver Mining Company, Location o
Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Knoll	3	33 1 3	$100
Van Faulknor		13 1-3	40
H Welch	156	28 2 3	80
Estate of J J Todd	10	18 2 3	50
A Parrinton	11	16 2 3	50
C Jacobs	32, 137	39 1 3	119
J Corrigan	153	31	93
F Dorland	89	8 1-3	25
G Norman	02, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Phillips	54, 55, 66, 66	87, 68	33 1-3	100
O Eldridge	147	8	24
H C Wheeler	39	8	24
W Sergeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Olson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1 3	25
J D Thompson	152	25	75
W J Leland	88, 94	5 1-2	16
Gilbert Pulache	99, 100, 145	29 2-3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
S S Cressy	110	8	24
Geo A Moore	111	3	0
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
G Mathews	182, 172	3	0
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
F Tibbetts	130	8 1 3	25
C Peck	128	4 1 6	12 56
M Newhall	143	8	24
W P Peck	131	8 1-3	25
J Tildea	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	8
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

Office, of the Company 411 Clay St., San Francisco.

Postponement.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

16 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is hereby postponed until Tuesday, January 3.st, 1865. By order of the Board of Trustees.

GEO. L. FAULKNER, Secretary.

Ruba Gold and Silver Mining Company, Reese
River Mining District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of October, 1864, an assessment (No. 3) of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to W. M. Williamson, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on the twelfth (12) day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the thirtieth day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. 16-4

Rose Matilda Mining Company,
Charter Oak Mining Company,
North Star Mining Company,
Diamond Mining Company, Santa Catalina Island.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

ROSE MATILDA MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	40	48	$13 60
O D Baldwin	42	32	9 80
A Dodge	11 10	5-ea	2 00
A Dodge	22 24 24	10 ea	6 00
A Dodge	27	11	2 20
A Dodge	108	76	15 20
W Diggins	not issued	138	27 20
Mrs A Hewett	93	10	2 00
P Ide	75	125	25 00
C Rhino	41	34	6 80
P Rogers	11d	5	1 00
N A Tyler	72	5	1 00
Jos Taylor	118	25	5 00
E H Wood	117	15	3 00

CHARTER OAK MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	32	48	$9 60
O D Baldwin	34	24	4 80
A Dodge	12 17	5 ea	2 00
A Dodge	18	6	1 24
A Dodge	02	41	8 20
W Diggins	not issued	90	19 20
Mrs A Hewett	78	5	1 00
P Ide	61	01	18 20
C Rhino	33	24	4 80
P Rogers	08	5	1 00
N A Tyler	58	5	1 00
Jos Taylor	101	25	5 00

NORTH STAR MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	39	72	$14 40
O D Baldwin	41	36	7 20
A Dodge	12 16 21 23	10 ea	8 00
A Dodge	17	5	1 00
A Dodge	24	14	2 80
A Dodge	105	84	12 80
A Dodge	not issued	5	1 00
W Diggins	not issued	144	28 80
Z Floyd	42	144	28 80
John Hill	44 45 46	10 ea	8 00
John Hill	47	14	2 80
John Hill	48 40	60 ea	20 00
C Rhino	40	36	7 20
P Rogers	110	5	1 00
N A Tyler	71	5	1 00
Jos Taylor	118	25	5 00

DIAMOND MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	29	44	$8 80
O D Baldwin	31	22	4 40
A Dodge	10	5	1 00
A Dodge	16	10	2 00
A Dodge	17	10	2 60
A Dodge	81	38	7 60
W Diggins	not issued	88	17 60
Z Floyd	32	88	17 60
John Hill	34	8	1 60
John Hill	35	10	2 00
John Hill	36	20	4 00
John Hill	37	50	10 00
Mrs A Hewett	70	5	1 00
C Rhino	30	22	4 40
P Rogers	8d	5	1 00
N A Tyler	52	5	1 00
Jos Taylor	86	25	5 00

And in accordance with law, and an order of the Board of Trustees made on the 17th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, on the 12th day of November, 1864, at hour of 12 o'clock, M. of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner of Pine.

Rose Gold Mining Company, Mariposa County,
California.

Notice.—There are delinqaent upon the following described stock, on account of Assessment levied on the 26th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as foBows:

Names.	No. Certificate.	No. Shares.	Amount.
N B Terwilliger	balance 29	66	$16 50
Phil Hope	26	625	312 50
A E Fraser	14	625	312 50
Joseph Wilte	32	200	100 00
A I Vanderhoof	balance 34	67	16 75

And in accordance with law and an order of the Board of Trustees, made on the 26th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Cobb & Sinton, 406 Montgomery street, San Francisco, on the 7th November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

A. BUETELL, Secretary.

Office, 205 Battery street, and corner of California street, San Francisco. oct 29-18

Postponement.—The above sale is hereby postponed until Thursday, the 17th day of November, 1864. By order of the Board of Trustees. A. BUETELL, Secretary.

Removal.—The office of the above named Company has been removed to No. 624 Market Street, San Francisco.

19-2

Steamboat Silver Mining Company, Star District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 18th day of October, 1864, in United States gold coin, to the Secretary, or to Jas. S. Maclean, Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTNAM, Secretary.

Office, Northeast corner Jackson and Front streets, San Francisco. 17-4

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, the 26th day of November, 1864, and the sale thereof until Monday, the 12th day of December, 1864. By order of the Board of Trustees.

19 S. O. PUTNAM, Secretary.

Scientific and Mining Journal.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

Simpson & Bosselle Mining Company—Mines
Located in Carson Valley Mining District.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows.

Names.	No. Certificate.	No. Shares.	Amount.
Anderson, J B	217	10	$3 00
Bedell, M H	222	5	1 50
Bedell, B N	223	10	5 00
Bowker, C C	184	10	3 00
Boyle, Peter	158	10	3 00
Bateman, A L S	133	10	3 00
Bonney, O	30 31-ea 25	50	15 00
Bonney, O	32 34-ea 10	20	0 00
Bonney, O	146	8	2 40
Bonney, O	210	5	1 50
Chevallier, L E	167	5	1 50
Chevallier, Margarot	174	3	90
Cagwin, H A	189	5	1 50
Cornwall, J	204	5	1 50
Curtis, Tyler	207	10	3 00
Cook H	238	10	3 00
Curran, C	354 355 356 357-ea 5	20	6 00
DeGrove, H W	46 47-ea 10	30	30 00
DeGrove, H W	48 49-ea 25	50	15 00
DeGrove, H W	52 54-ea 10	20	6 00
DeGrove, H W	315	5	1 50
Driver, A T	312	5	1 50
English, James	248	5	1 50
Echlin, J A	275	10	3 00
Fischer, Theodore	271	5	1 50
Fischer, Theodore	273	10	3 00
Fulton, John	270	5	1 50
Goff, Hannah J	278	5	1 50
Goff & Robinson	280 to 285 inc-ea 5	30	9 00
Goff & Robinson	287 288 289-ea 5	15	4 50
Goff & Robinson	291 292 294 295	20	6 00
Gould, T H	3 0	10	3 00
Hartwell, C N	148 149 150	15	4 50
Hudson, John O	183 205-ea 5	10	4 50
Hogle, G T	237	10	3 00
Harter, D	270	15	4 50
Houze, Sedonia	272	5	1 50
Ivens, C H	299	10	3 00
Jackson, Wm T	159	7	2 10
Jackson, Wm T	166	5	1 50
Johnson, J C	194	5	1 50
Jackson, Wm	308	15	4 50
Keith, Wm H	127	10	3 00
Knowles, J W	247	10	3 00
Kincaid, B	316	5	1 50
Keith, A H	344	10	3 00
Lampman, Charles	300	20	6 00
Limbert, Henry	151	3	90
McKillican, H R	107	50	15 00
McKillican, D R	121	5	1 50
Manley, B	138	10	3 00
Manley, B	137	5	1 50
Murray, James	156	10	3 00
McConkey, S	274	5	1 50
Moore, Charles	300	10	3 00
Magee, T W	3 7	5	1 50
Maxwell, A	329	5	1 50
Menet, Baptist	337	10	3 00
Organ, Thos	206	5	1 50
Osgood, C H	330	10	3 00
Osgood, C H	331	15	4 50
Pearson, R C	285	10	3 00
Perry, Chestor	296	5	1 50
Perry, Anson	297	5	1 50
Paine, Moses	310	5	1 50
Peltier, Andre	358	5	1 50
Rogers, J H	165 196-ea 20	40	12 00
Rogers, J B	197	30	9 00
Richber, C	343	5	1 50
Simpson, E	73 75-ea 100	200	80 00
Simpson, E	239 246 241 243 244-ea 5	25	7 50
Simpson, E	245	10	3 00
Simpson, E	246	11	3 30
Simpson E	317	5	1 50
Simpson, E	321 320-ea 10	20	8 00
Simpson, E	323	25	7 50
Stiles, A L	193	5	1 50
Seely, J	233	10	3 00
Sigsbee, J L	202	5	1 50
Spear, Asa	303	5	1 50
Severance, James	328	5	1 50
Smith, J T	334	5	1 50
Shaw, G H	335	20	8 00
Timson, Wm	294	5	1 50
Taggard, J A	277	10	3 00
Van Every, A J	1	50	15 00
Van Every, A J	258	5	1 50
Wright, Nellie B	173	5	1 50
Weiland, F	214	10	3 00
Watkins, J T	359	10	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 14th day of November, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [18

St. Paul Gold and Silver Mining Company,
Amador District, Lander County N. T.

Notice.—There are delinquent upon the following described stock, on account of assessments levied on the 3d day of February and the 7th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
F Clark	certificate not issued	25	$ 25 00
J Garber	22	10	10 00
J Garber	22	10	10 00
J Garber	23	5	5 00
D B Palmer	64	5	2 50
D B Palmer	65	5	2 50
D B Palmer	66	5	2 50
D B Palmer	67	5	2 50
J B Weller	68	5	2 50
J B Weller	69	10	5 00
F Forcman	70	10	5 00
J P Datnun	111	20	10 00
J W Craycroft	113	10	5 00
C F Lott	116	50	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 7th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at by public auction John Middleton & Son, on the 29th day of October, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

N. DUPERU, Secretary.

Office, No. 710 Sansoma street. 16

Postponement.—The above sale is postponed until Monday, November 7th, 1864, at the same place and hour. By order of the Board of Trustees.

17-3t N. DUPERU, Secretary.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the Mining and Scientific Press. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Stars and Stripes Copper Mining Company,
Rock Creek District, Calaveras County, California

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 8th day of October, 1864, an assessment of ten(10) cents per share was levied upon the capital stock of said Company, payable on the 10th day of October, 1864, in United States gold coin, to the Secretary, at his office on Rock Creek.

Any stock upon which said Assessment shall remain unpaid on Saturday the 10th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 26th day of November, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. J. FINDLEY, Secretary.

Office, Rock Creek, Calaveras County. 16-4

Sisters and Augusta Gold and Silver Mining
Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to John Moffet, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. O. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal.
September 20th, 1864. 13-4t

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Tuesday, November, 8th, 1864. By order of the Board of Trustees.

18 L. C. DODGE, Secretary.

Postponement.—The advertisement of delinquent stock on the above assessment, is postponed until Saturday, the 19th day of November, 1864, and the sale thereof is postponed until Monday, December 5th, 1864. By order of the Board of Trustees. 19 L. DODGE, Secretary,

United States Mining Company, Virginia District, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 30th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Helen E Ambrose	635	2	$2 00
John F Alexander	168	10	10 00
A I Burke		2	2 00
J L Bennett	52 53 84 85		
	68 67-ea 5	80	20 00
J G Bloomer	14	50	50 00
J C Bloomer	15 16-ea 25	50	50 00
J G Bloomer	17 18 19 20 21-ea 10	50	50 00
J G Bloomer	22 23 24 25 27-ea 5	25	85 00
J W Brooks	71 72-ea 5	10	10 00
Joseph Conitor	146	3	3 00
S M Collins	232 233-ea 10	20	20 00
John S Collins	234	20	20 00
J Case	239	5	5 00
A H L Dias	11	5	5 00
Wm Fell	441	10	10 00
C G Funk	554 556 557-ea 10	30	80 00
M Foley	200 201 202-ea 10	30	30 00
C H Fisher	248	8	8 00
C B Goodrich	69	4	4 00
J G Conlry	147	1	1 00
David Hunter	319	10	10 00
Conrad Hotz	29 30 31-ea 16	30	80 00
James Hughes	91	3	8 00
Josiah Heacock	56	2	5 00
G W Hardy	171	1	1 00
W H Hardy	172	1	1 00
J H Knapp	393	4	4 00
J H Knapp	394 395-ea 2	4	4 00
W B Kaox	383 384 385-ea 10	30	30 00
A C Kuox	74	2	2 00
John Keyes	102	5	5 00
Fred A Korn	41 42-ea 5	10	10 00
Fred A Korn	43	2	2 00
W D Knox	214	10	10 00
Eunice Lockwood	868 397-ea 2	4	4 00
Frank Long	70	4	4 00
C H Lounsberry	145	20	20 00
D Lachmua	250	8	8 00
F A Marston	211	10	10 00
D J Monroe		15	15 00
R A Merrill	370 371 541-ea 10	20	80 00
W J Miller	376	10	10 00
W J Miller	377	20	20 00
J H Miller	36 37 38-ea 5	15	15 00
H W Miller	178	3	3 00
Wm Murdock	210	2	2 00
Jas McBride	92	7	7 00
Eli McCarty	197	2	2 00
Beury Nutt	230	20	20 00
J W North		10	10 00
Wm Neely	61	5	5 00
D J Perkey		10	10 00
Porter & Collins	54 55 56 57-ea 10	40	40 00
G W Prescott, Jr	570 571-ea 1	2	2 00
G W Prescott, Sr	6 10-ea 8	10	18 00
E J Parker	75	4	4 00
J M Pollard	95	2	2 00
John Prince	131	20	20 00
John Penniman	179	5	5 00
L B Roe		30	30 00
E C Sessions		40	40 00
J B Sutherland	399	4	4 00
J B Sutherland	400 401-ea 2	4	4 00
Simon Schleweeks	27	4	4 00
Simon Schleweeks	28	2	2 00
J W Scott	73	3	3 00
Joseph Swift	206	10	10 00
R Schuorss	44 45-ea 25	50	50 00
E Schnorss	47 48 49-ea 10	30	30 00
Peter Taylor	76 77-ea 5	10	10 00
Wm Truesdale	78 79-ea 5	10	10 00
C Walker	225 226-ea 8	12	12 00
C Walker	355	30	30 00
C Walker	606	35	35 00
G A Weed	5 6 7 8-ea 10	40	40 00
T K Wallis	12	2	2 00
R S Weight	80	2	2 00
Crayton Winton	242	50	50 00
Crayton Winton	243	10	10 00

And in accordance with law and an order of the Board of Trustees, made on the 30th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 16th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. oct29-18

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It it a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

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VOLUME IX
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THE PROPRIETORS of this useful and now important journal xperience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

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Arizona Cons., 20c	Nov 19—Dec 3*
Amador Cons., Lander co., $4	Nov 21—Dec 6
Antelope, Esmeralda, $25	Dec 6—Dec 26
Alameda Coal, $1	Nov 2—Nov 19
Bine Ledge, Kelsey, $1.25	Nov 5—Nov 21*
Butte, Humboldt, $1	Nov 7— Nov 19
Bajazett & Gold.Era Cons., $5	Sale Nov 10 Virginia
Big Canon, Tuolumne co., $3	Nov 9—Nov 22
Baja California, San Antonio 25c	Nov 9—Nov 21
Best & Belcher, Virginia, $7.50	Oct 25—Nov 7
Baltic, Virginia, $10	Levied Oct 12
Buckeye, D. G., $3	Nov 21—Dec 3
Boston Copper, El Dorado co., 50c	Nov 29—Dec 13
Crown Point Ravine	Annual Meeting Nov 21*
Charter Oak, Santa Catalina, 20c	Oct 29—Nov 12*
Caledonia T. & M	Annual Meeting Nov 14*
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Chrysopolis, Low Divide, 25c	Oct 23—Nov 8
Cortez, Lander co., $1	Nov 7—Nov 22
Cortez	Special Meeting Nov 11
Cincinnati, R. R., $1	Sale Nov 5
Chicago & Detroit, Amador co., $1	Nov 19—Dec 3
Calaveras Iron Mountain Copper	Annual Meeting Nov 21
Colorado	Annual Meeting Nov 14
Comstock, San Antonio, 60c	Adv Nov 8
Crockett Cons., Esmeralda, $1	Oct 22—Nov 3
Coral Hill, $1	Oct 19—Nov 5
Corral Viejo, Sonora, $3.50	Oct 23—Nov 9
Capitola, Santa Clara, 25c	Nov 14—Nov 26
Capitola	Special Meeting Nov 14 San Jose
California, Virginia, $12.50	Dec 7—Dec 22
Chimawavo, Colorado, 40c	Oct 12—Nov 10
Copp, Humboldt, $3	Nov 10—Nov 25
Coral, Amador Dis., 50c	Dec 6—Dec 17
Cosselte	Special Meeting Nov 10
Diamond, Santa Catalina, 20c	Oct 29—Nov 12*
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De Soto, Star, $2.50	Oct 22—Nov 9
Diamond, Copper. Del Norte co., 75c	Oct 31—Nov 15
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Deli, G. H	Sale Nov 5
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El Dorado, Virginia, $2	Dec 5—Dec 21
El Tosoro, La Paz	Annual Meeting Nov 7
Eureka Coal, Alameda, 20c	Nov 17—Dec 2
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Empire T. & M	Annual Meeting Nov 16
Ethan Allen, R. R., $1	Dec 5—Dec 19
Fortune, Calaveras co., 20c	Oct 22—Nov 9*
Franco Americana, San Antonia, $1	Nov 23—Dec 9
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George Washington No. 2	Annual Meeting Nov 17*
Good Hope, Alpine, 25c	Dec 3—Dec 17*
Gobernadora, Lower Cal., $1	Dec 5—Dec 17*
Green, Gold Hill, $1	Oct 26—Nov 12
Gov. Seymour, R. R., $5	Nov 12—Nov 24
Golden Age & Empire, Esmeralda, $2	Oct 26—Nov 9
Gaudaloupe del Aguajito, Sonora, 50c	Oct 29—Nov 12
Green, San Bernardino, 75c	Nov 7—Nov 19
Gold Hill T. & M., $1	Oct 26—Nov 9
Great Western T. & M., Aurora, 40c	Oct 29—Nov 9
Guasaparis, Mexico, $25	Nov 4—Nov 15
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Great Central, Weaver, 25c	Nov 23—Dec 9
Gold Canon Cons., G. H	Annual Meeting Nov 16
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
I X L, Alpine co., $3	Nov 25—Dec 9
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
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Kohler Brothers, San Antonio, $1	Nov 19—Dec 2
La Candelaria, San Dimas, $5	Dec 10—Dec 24*
La Libertad, Cacachillas, $1	Nov 19—Dec 3*
Loomis, Lander co., 25c	Oct 29—Nov 14*
Lady Bell, Low Divide, 10c	Oct 24—Nov 5
Lotus, Gopher, 10c	Oct 21—Nov 5
Las Chureas, $50	Nov 17—Nov 23
Las Chureas	Special Meeting Nov 11
La Fernandez, Hermosillo, Mexico, $4	Oct 29—Nov 8
Las Cruzecitas, San Xavier, $6.25	Nov 14—Nov 26
London Quartz, Siskiyou	Nov 5—Nov 24
La Soledad, San Dimas $1	Oct 24—Nov 5
La Esperenza, Arizona, $5	Nov 5—Nov 21
Libertad, Ures, $5	Nov 1—Nov 15
La Figaro, 32c	Nov 4—Nov 14
Lady Bryan, Flowery, $5	Dec 6—Dec 20
Lochinvar	Annual Meeting Nov 9
Mammoth, Silver Monntain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 21*
Mina Prieta, Ures	Annual Meeting Nov 2
Mina Rica de Las Flores, Calaveras co., $1	Oct 25—Nov 14
Monster Cons., 30c	Adv Nov 3
Manchester. Monitor, $1.50	Oct 22—Nov 5
Melones and Stanislaus, Calaveras co., $2.50	Nov 28—Dec 12
Musidora, San Antonio, 50c	Nov 26—Dec 10
Maxwell Creek, Mariposa	Special Meeting Nov 15
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Napa, Silver Mountain, 30c	Nov 19—Dec 5*
New Era, Cop., Tuolumne co., 25c	Nov 10—Nov 26*
Nuestra Senora de Guadaloupe, Mex. $1	Oct 30—Nov 14
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North Potosi, Virginia, $12.50	Nov 22—Dec 10
Nacosari, Sonora, $1.50	Oct 29—Dec 1
New Hope, Lander co., $2	Oct 27—Nov 19
Ontaria, R. R., 25c	Nov 19—Dec 3*
Open Sesame, Clayton, 50c	Nov 16—Nov 26
Open Sesame	Annual Meeting Nov 10
Ophir of the Colorndo	Annual Meeting Nov 21
Palma, Sonora, 25c	Oct 29—Nov 19*
Providence, Nevada co., $1	Oct 22—Nov 5*
Pena Silver, Lower California, $3	Aug 20—Jan 31*
Planet, Arizona, $1	Oct 29—Nov 10
Peninsula, San Antonio, $10	Nov 11—Nov 22
Pride of the West, Silver City, $3	Nov 7—Nov 21
Providential, R. R	Annual Meeting Nov 9
Rose Matilda, Santa Catalina, 20c	Oct 29—Nov 12*
Ruba, R. R., $1	Nov 12—Nov 30*
Rose, Mariposa, 50c	Oct 29—Nov 7*
Real del Monte, Esmeralda	Sale Nov 14
Rosario & Carmen, Sinoloa, $1	Oct 29—Nov 10
Richland, R. R., $3	Nov 17—Nov 29
Ranchería, San Antonio, 50c	Nov 25—Dec 6
Santa Cruz, Petroleum, 12½c	Dec 3—Dec 17*
Simpson & Bosselle, Carson Valley, 30c	Oct 27—Nov 14*
St. Paul, Lander co., 50c	Oct 15—Nov 7*
Steamboat, Star, $1	Nov 19—Dec 5*
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 23*
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Triunfo	Special Meeting Nov 5
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Union Copper	Annual Meeting Nov 7 Crescent City.
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How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, NOVEMBER 12, 1864. | VOLUME IX. Number 20.

PATENT HORSE-POWER MACHINE.

Machines driven by horse-power are very common in many parts of the country where neither steam, water, nor wind are available or desirable. Such machines are used to impart motion to other machinery, and circular saws, lathes, and other tools may be cheaply operated by them. The engraving published herewith represents an improved horse-power, which has some novel features worthy of attention. Appended is the inventor's description:—

A is the wooden frame work of the machine, and B a wooden pulley, over which the endless floor runs. This pulley, and a similar one placed at the other end of the frame, A, has a face nearly equal to the width of the floor on which the horse works.

C is an endless chain, one on each side, but only one is shown. This chain is composed of cast-iron links, six inches in length, having grooves running the whole length of their under sides, in which are wrought-iron links, connecting with the cast links by rivets. The chain is flexible in one direction, but stiff and rigid in all others—doing away with the numerous small rolls and railroad track generally used in machines of this character, and lessening the friction.

D is the wooden platform composing the floor on which the horse walks; the pieces composing it are hollowed out on the under side to fit the curve of the pully, B, and are fastened to the endless chain by bolts.

The rolls, E, support the endless chains; there are six rolls on each side. The pulley, F, drives the iron balance-wheel, G, by means of a belt. H, is another pulley, and I a belt for leading off the power to the desired point.

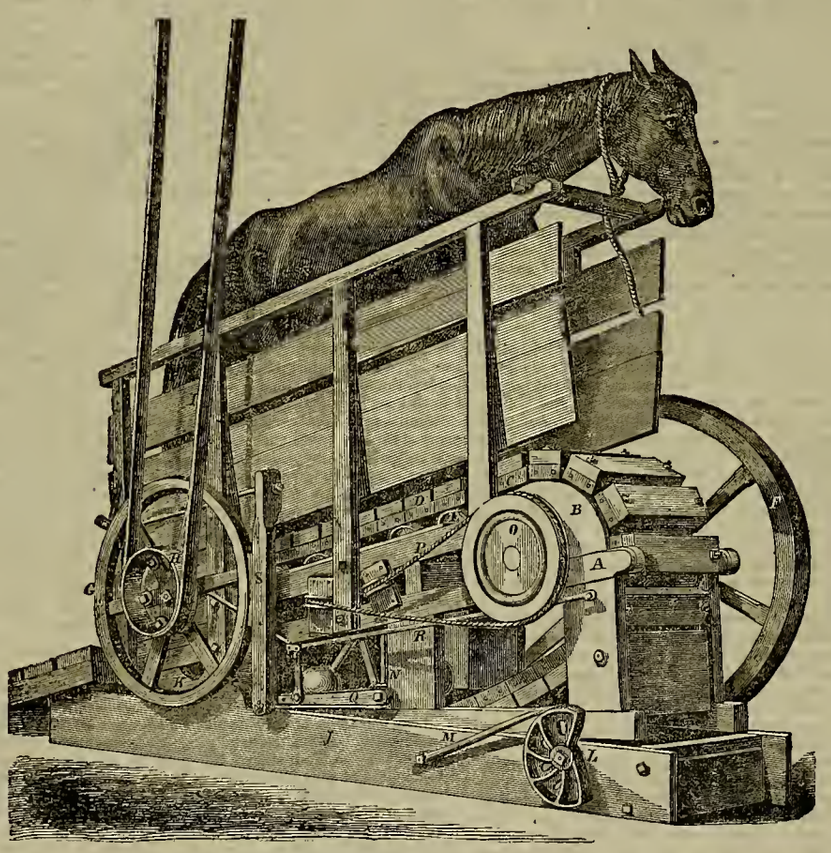
J is an additional frame in which the machine sets, supported at K, by a bearing, and at L, by a pair of cams, one under each side. By these cams the front end of the frame, A, can be raised or lowered, being held in the desired position by the pawl, M, thus giving a greater or less inclination to the floor without altering the tension of the belt, I. This can be done while the machine is in motion.

A common governor, N, is driven from the pulley by the belt, P; also connected by the lever Q, and rods R, to the brake S. This brake acts on the face of the balance-wheel G. An increase of speed in the machine causes the balls to rise and work the levers, passing the brake on the wheel, G, and checking the motion. By this arrangement small machines can be run with regularity of a steam engine.

On the opposite side of the machine is a binder-brake, so arranged, that in case the driving-belt should come apart, or slip off the pulley, the machine is stopped immediately, preventing any injury to the horse or the machine, and making it safe to leave the horse at work in care of any person.

This machine has but twenty journals, against some eighty in other powers of this class; each journal runs in a proper journal box, fully protected from dirt. It does not require oiling oftener than once a day, making a large difference in favor of this horse-power.

In places where a light power is required for but a portion of the time, this class of machines has advantages over steam-power, as they are worked with less cost, and require less care, than an engine. It is claimed that this particular machine contains improvements in construction, in addition to the apparatus for self-regulating, which makes it a superior one. For further particulars, or for purchase of rights, apply to the inventor, D. W. Hunt, 28 Second street, San Francisco. The machines are now being made by E. O. Hunt, at his well known windmill factory.



HUNT'S HORSE-POWER MACHINE.

Rush of Water in the Ophir Mine.—On Sunday night last the workmen in the Ophir mine struck a large body of water supposed to proceed from the Virginia ledge. On Monday night it had raised 200 feet in the main shaft, and continued rising until it reached the seventh gallery, about 300 feet from the lowest part of the mine. At latest dates the pumping apparatus of the company had been brought to bear effectually upon it, and it was rapidly receding. No serious damage had resulted from the influx, and the officers of the company feel confident that they have struck and are now draining the old Virginia Ledge.

Copper Ore.—We have received from W. L. Moore, of Taylorville, two very superior specimens of copper ore, of the gray ore variety; No. 1 being taken from the Peacock ledge, on Grizzly creek, Plumas county, and from a depth of 70 feet. No. 2 is from the Mineral Point ledge, in the same neighborhood, and was from a depth of 40 feet. The ledge of No. 1 is well defined, about three feet between the walls. The strata of gray ore, like the sample sent, is about 18 inches wide. The ledge of No. 2 is also well defined, and carries a streak 12 inches wide like sample sent. These specimens will compare favorably for copper with any ore we have ever met with. They carry a large quantity of green carbonate, and will probably reach fully 50 if not 60 per cent. of copper. Mines which will produce such ore must soon become valuable. Plumas bids fair to become one of the most important copper mining counties in the State.

Figs and Olives.—Figs and olives were introduced into California over 60 years ago, and have taken to the soil admirably, very seldom failing to give abundant crops whenever they were planted in proper climate and soils. Some of the olive trees near Santa Barbara and San Buenaventura, are 60 years old and are still thrifty. The fig, however, has to be more carefully attended to. Dried figs of an excellent quality, from the black variety are put up every season in the South. The olives of San Fernando, San Gabriel and San Diego, when picked, are said to surpass in flavor and size, during some years, even those of Seville; and the oil is fully equal, when properly prepared, to that of Florence. The olive tree does not bear an abundant crop except every two or three years; and this year the fruit in the old missions of the South is a very scanty crop, though large in size. In 1863 the trees yielded immensely and considerable quantities of oil were made, which sold well. The crops of figs have been very abundant in many places this year, but the quality is generally much inferior to that of former seasons.

Do Animals Reason?

They can be instructed up to a certain point. What is called the "cunning of the fox" is nothing but his quick sagacity. A multitude of stories—even enough to make quite a volume, could be gathered, illustrating the sagacity of the elephant, the horse, the dog, and other animals. Even the stupid "ass knoweth his master's crib." A fox has been known—so I have been told to carry off a small pig. In the course of his way back to the woods he had to cross a deep creek, setting up from the sea. He could jump over it himself. But could he jump over it with the pig in his mouth? That was the problem to be solved. He went off a little way and came back with a pine knot, a piece of a broken limb, in his mouth. It was just about as heavy as his pig. "Now," says he, "if I can jump across this creek with the knot in my mouth, I can also with the pig." In a moment he gave a leap and over he went. He then laid down his knot, jumped back again, seized the pig, and stood a moment as if weighing and comparing the two. He hesitated but a moment, when, presto! he was over,—pig and all. Was this not reasoning and logic? Could a philosopher or a divine have drawn a more accurate inference?

A dog had been accused of killing sheep. He and his master were very fond of each other. It was a long time before the owner could be made to believe the ill report about his favorite. At last he was convinced that poor Rover was guilty. As he could not bear to kill him himself, he came into the room one morning and said, "Peter, after breakfast you may take the dog off and shoot him. Mind and kill him dead?" The dog was in the room and heard it. In an instant he darted out of the room and was off in a straight line. No calling or shouting could cause him to turn his head. Straight as an arrow, he shot across the lots and went out of sight. Every hour they expected him back. At night he certainly would come. But no, he never returned! Many months after this, his master was riding on horseback in a wild, lonely place. Just as he came between two banks, through which the road had been cut, he saw poor Rover standing on one of the banks. His heart yearned towards his old friend, and he spoke to him very kindly. But Rover's heart was hardened. He gave one growl, snapped his teeth at his old master, again scampered off at the top of his speed. His master never saw him again! Unforgiving Rover! Thy memory was good, and thy will was strong, and thine anger lasting!

One more example. A neighbor of mine had a very knowing cat. Of course, Tab was a great favorite with all the family. At a time when Tab had a family of kittens, beautiful kittens too, and when it seemed as if it was too much for her to take care of them, one of them was given away to a neighbor. Little kit was carried off in a covered basket, and was warmly welcomed. In a day or two the door being opened, in walked Mrs. Tab, who seized her kitten and made off with it,—seeming delighted to find her child. In about three weeks she came back again, tugging her kitten, and laying it down at the feet of the mistress of the house, seeming to say, "Madame, this kit was to young when you took it before. It needed my care. But now is grown up and can get along very well. You may now have it." With that Mrs. Tab walked off, leaving her kitten, and never returning for it.—*Dr. Todd.*

Freed Slaves.—The Philadelphia *North American* calculates that thus far, 1,368,000 slaves have become free by the operations of the war.

The Sonora and Aurora Road Completed.—The new wagon road across the Sierra Nevada, from Sonora to Aurora, is now completed.

[Written for the Mining and Scientific Press.]

NEVADA CORRESPONDENCE.

Ens. Press :—I am no "Richmond" in the literary field, as you will perceive ere you have done with my scribbling, and yet I am none the less suffering under a severe attack of the *cacoethes scribendi*, and I fear nothing will cure me but an application of printer's ink, or some sensible advice to the effect that I am more eminently qualified for household duties—washing dishes and minding babies—than for driving the quill and putting on the airs of a veteran blue-stocking. But please don't *say* that, even if 'tis so, for I am sure, in my disappointment, I would go and do something dreadful—commit matrimony or suicide.

And now for a piece of my mind. I think it is only fair that you should devote a small portion of you valuable paper to those aspirants for literary fame, be they stern or fair, who have not yet won the "laurel and bay." A very obscure corner will do, and I give you my word that so far as the softer sex are concerned, we will not disturb the equilibrium of those dignitaries who, with elevated feet, ink-stained fingers, hair on end, and visage elongated with that consequential self-important air which men know so well how to put on, lounge in their smoke-begrimmed rooms, complacent and self-satisfied over the knowledge that they bear the honored appellation of Reg. Cor. to the *Mining Press*. Ah, me! what wouldn't I give to be in their place—that is, so far as would entitle me to bear the above honored cognomen, not envying them the possession of the pantaloons.

Now, Mr. Editor, I shan't listen to your mutterings about women knowing nothing beyond idle gossip and fashionable nothings, for I *do* know how to spell ph-th-is-ic, and *can* see a lady friend without launching into criticisms on her dress or relating some scandal about her, and I *have* sufficient nerve to explore the innermost depths of our great silver mines, and even to examine into the frightful bughear of Washoe—the "one ledge theory." May I pass?

THE COUNTRY IN WHICH WE LIVE.

I was in your city at a time when the population—good, bad and indifferent, widows, rag-pickers, servant-girls, and "any other man"—was eloquent upon the subject of feet, and the individual who did not possess these desirable articles in the "Modern Humbug," or "Mountain Alligator," was at a "discount;" and ere starting forth, I naturally prepared myself to behold wonders in the way of searching after the hidden treasures. I have not been disappointed, and Virginia City, with her adventurous population, exhibiting costumes and complexions of many climes, her habitations of all architectural schools, and her myriads of indisputably rich mines, is a "fixed institution;" and though, at the present moment, business may be depressed, and twenties few and far between, I can see no abatement in the confidence of the people in her continued wealth and prosperity. Improvements, substantial as well as ornamental, have been made on every side, and in character and finish, are such as might put to blush many of the model cities in civilized countries, (as much as to acknowledge we are not civilized). Buildings of the most substantial character, with a considerable sprinkling of miners' cabins, and adobies, have been erected, and the better class of buildings are still going up, and already the city limits stretch afar up the rugged side of Mount Davidson. The streets are enlivened with fleets of schooners and quartz wagons, and groups of miners, speculators, hummers, Celestials, would-be politicians and Diggers, throng the streets, in the vicinity of whiskey mills especially, at all hours of the day. Mills and workshops keep up an incessant roar; the ring of metals, the hissing screech of the jack-plane, the thunder of the miner's blast and the rattling of rock down the chutes, resound throughout the mountains, and naturally lead one into moralizing on the wondrous changes that have taken place in this mountain wilderness, where but a few short years ago the Indian built his "wick-i-up" and rolled in the dirt by his camp fire, undisturbed by the hum of busy industry and the screech of the steam whistle. All is changed and changing, and who can foretell the future greatness of this embryo city, who can prescribe a limit to its progress.

Virginia is in many respects a model mining town, and the change from a barren and uninviting wilderness to a handsome city, thriving with busy, eager, craving life, is an incontestable evidence that man's energy will overcome all obstacles which natural barriers or the prejudices of the world may raise. The mountain falls off very gradually near its base, and here it is that the city is built. We first have numberless streets running parallel with the mountain, and built up closely. Farther up on the mountain side are the business streets, walled in by substantial fire-proof brick structures, with here and there a wooden building visible. Continuing up, we come to the hoisting works and ore houses of the mines on the Comstock, and, crowning all, are many handsome private residences, surrounded by grounds in which the fruits of horticultural labor are visible. Many of these cottages, with vines and shrubbery surrounding them, are really home-ified in appearance, and seem fit abodes for comfort, beauty, and love, if there is such a personage as the last named in this common place matter-of-fact country. In the architecture of the houses, extreme good taste is manifested. You see very few of those toppling upper stories so prevalent in other American cities, but, instead, a broad substantial base on *terra firma*, and, as a consequence, those nuisances of this enlightend age, innumerable and endless stairs, are done away with. 'Tis whispered the reason why houses are built so low here, is, because of the frequent and unceremonious visits of those delightful comforters which are honored by the soothing appellation of "Washoe zephyrs." However this may be, I like the custom, and I wish it were more generally adopted in other cities.

PECULIARITIES.

Like all American cities, Virginia has its *peculiarities*. The most noted of these is that characteristic of its people which will never allow them to do things "by halves." They have the best conducted newspapers, the most energetic fire department, the most comfortable and spacious—if not the handsomest—churches (sorry I can't say the same of the streets, hotels and theaters), the largest number of dens of dissipation, the greatest rogues, homelicst men—with few exceptions—dirtiest children and prettiest woman—myself excepted—to be found anywhere; in fact they are, in the fullest sense of the term, a "fast people."

BUMMERS AND BROKERS.

Then there are its bummers and brokers. I shall consider them as one class, for since the decline in "feet," circumstances of the pocket have made them indissolubly one. I am aware that your city is noted for its bummers, and I do not wish to detract from their hard-earned fame as a class when I affirm that, mighty as they are, they are nowhere in comparison to our bummers. Why, sir, they will neglect their important and pressing business engagements to dine with you. An invitation from you is not necessary. They will drink to your health innumerable times, and, to please you,—they always seem to know what will please you without enquiring—will call in all their brother bummers within hailing distance to do likewise; they will ride out with you to "show you the sights," treat your friends as if they had been on the closest terms of intimacy with them for years, and go home with you and make themselves perfectly at home in one minute and a-half by the watch, chuckling Matilda Jane under the chin, calling Euphemia "my dear," and addressing your wife as "Mary," occupying your easy chair, smoking your favorite Havanas, and, in fact, filling your place so well that you are almost convinced you are another individual; and so politely and so condescendingly is all this done, "merely to please you," that you consider it a favor and a pleasure to foot the bill, and never for a moment do you imagine that you have been most egregiously "sold."

The broker branch of the hummer class may be known by the dilapidated condition of their feet—the coverings thereof, I mean,—their seedy dress, unkempt hair and beard, and craving look at every display of bottles labeled "Old Bourbon." The smartest of them have turned politicians, and now spout for Honest Abe or Little Mac on the street corners, keeping one eye on the individual who is going to "treat" next, and the other on the face of any pretty girl or old woman who is so unfortunate as to come unawares within range of their impudent stare. They may always be found congregated around a free-lunch table, or lounging against a building where the sun is hottest; in fact the only time they can muster sufficient stamina to do anything is when it is necessary that the craving of their appetites should be satiated, or that they should move to keep in the sunshine. How have the mighty fallen!

A fact I have had sufficient evidence of during my stay here is, that the gentlemen have either not yet learned the first lessons in gallantry or they have forgotten them, for it seems to me that a great part of the male population have nothing better to do than to crowd the sidewalks and stare at the ladies, who are obliged to pass around them through the dusty streets, thus raising clouds of dust, greatly to their (the ladies') discomfiture, but to the extreme delight of the gentlemen(?), if we may judge from their gratified looks, grimaces and nods. For shame, gentlemen!

THE STATE OF NEVADA.

The telegram from the East announcing the admittance of Nevada as a State was received among us with general rejoicing. The roar of cannon echoed among our barren mountains, the old flag was thrown to the breeze from flagstaffs and house-tops, bonfires and fire-works blazed, and music lent its charm to the animated scene. 'Twas truly a gala night, for all seemed glad. We have again settled down into a staid and quiet people, though we do feel some additional pride over our newly got ten title and importance as a community—much the same as a school-boy experiences on donning his first long-tailed coat or a young man feels on his twenty-first birth-day, when he wakes up to the fact that he has stepped out from that period of his existence in which he was a "mystical something"—not a boy, and assuredly not a man—and during which the girls jeered him for being an overgrown boy, and aping the impudence and self-conceit of men, and the men knocked him around as if he were a thing of no importance, and thus took revenge because he would soon be a man with themselves. So with us. We feel that we are of some importance now. We have a deeper interest in, and a stronger love, if that were possible, for the old flag, for we are represented on its folds. We now have a voice in the affairs of the nation; we are no longer lookers on, but are actors in the great events which are transpiring daily, and which will be emblazoned on the pages of history for all time. Prosperity to the Silver Star of Nevada, the last and thirty-sixth in the Union galaxy! May she ever prove worthy of her place in the front ranks of patriotism and justice, shining with unsullied lustre through doubts and fears, discord and disunion! May her glory never be dimmed by any unworthy act, any lawless deed, any shirking of responsibility and of duty!

HARD TIMES.

Times are very hard at present among the laboring classes, much more so than many mere casual observers imagine, and many families are in actual want of the necessities of life, "Such is Life," while others are reveling in wealth and squandering in idle pleasure enough to make many comfortable, others—their neighbors perhaps—are starving and suffering. I feel so keenly when I see one of Poverty's children—and, Heaven knows, there are too many of them to be seen here—and how shameful this enlightened day, to have it said that he who can afford to give from his plenty is he who is blind to his fellow-mortal's sufferings. Truly is man's name inconsistency.

CAUSE—THE INJUNCTION MANIA.

The hard times are not caused so much by the stringency of the money market, as by the practice, which has resolved itself into a gigantic evil, of granting injunctions on mining claims and restraining enterprise on the weakest complaint made upon some fancied clash of titles, or imaginary wrong about to be done. This habit—for it is merely a habit, and is not founded on either good reason or good sense—has been the thorn in our side since we became a community. It has clogged progress, paralyzed enterprise and stayed the arm of development, and thus injured not only the vital interests of the State, but of the nation. Every branch of industry has felt its blighting influence, but the most injured has been and is that great motive power of our state—the mining and laboring class. Thousands have been thrown out of employment, are now idle by reason of its mandates, and are a dead weight on the energies of our struggling community. They have waited from week to week, hoping to find a change inaugurated, until they cannot remain longer and have not the wherewith to leave. Is there not just cause for complaint?

Public opinion is against this stretching of authority, this straining at law which permits a few individuals to paralyze the energies of a state, in the attainment of their own mercenary ends. It declared against it when it called on our former District and Supreme Judges to resign, and it will make it the test-question on which our Judges will be elected to-morrow.

I had intended to give you some gossip about our mines and mining interests, but my letter is already so lengthy that I will postpone it until my next. Floy Favorite.

Virginia City, Nev., Nov. 7th, 1864.

Found.—The dead body of a man, supposed to be one of the steamer Washoe victims, was found in Marin county on Sunday. A gold ring marked "P. M." was on one of the fingers.

Reese River Items.

We clip the following items from the Reese River *Reveille*:—

The prospecting business seems to be on the increase, and locations are more numerous than they have been for some time past. The locators have unlimited confidence in their claims, and in most cases commence working them immediately. Many of the mines pay all expenses and good wages from the surface, and we have known of instances where over sixty dollars per day have been made out of chloride rock. If the miners will only persevere in their efforts until spring, they will be certain to make money.

The Hildreth mill, since it has passed into the hands of Morgan & Muncey, has undergone many changes and repairs, and now ranks one of the best and most complete in the city. The proprietors will run it constantly during the winter. They are now having a large quantity of wood hauled to the mill and corded up. They intend to secure enough to last until spring.

A Remarkable Claim.—One of the most remarkable claims that has ever been discovered in this district, is located on the north side of Central Hill, in the Fourth Ward. It was located about three months since by Thomas Graham, and is owned entirely by him. He has had it worked ever since—sinking down from two to five feet, in different, places, and always obtained paying rock. He had twelve hundred pounds worked, from which he obtained $1,300, and choice lots have paid from one dollar to one dollar and twenty-five cents per pound. As soon as he gets all the paying rock from the surface, he intends to have an incline sunk, as the ledge is considered among the richest in the country.

Workmen are engaged in repairing the batteries at the Oregon Mill. New cams will be put in, and the stamps fixed thoroughly so that the mill can run constantly during the ensuing winter.

Paying Rock.—The Great Company are now, and have been for the last three months, working and developing their claim with great energy and success. A lot of quartz was sent to San Francisco recently, and assayed the enormous sum of $4,700 per ton. An English company advanced $3,500 on another lot and shipped it direct to England. This speaks well for our country and shows what our country is capable of doing if we only had the mills to crush the ore.

Proving Richer. The eastern extension of the Esther, near the Oregon North Star, is proving richer every day, and the owners are working it without intermission. They now have the main incline down to a depth of ninety-six feet, and are still sinking, taking out in the mean time very rich ore. They shipped 2,242 pounds of their choice rock, on Thursday, to San Francisco, but it is their intention to have it worked here, in future, if possible. A new and substantial house has been erected over the incline, which will protect the men at the windlass from inclement weather and make an excellent ore house. The proprietors are experienced miners, and deserving and industrious citizens, and we are truly glad to know that they have such flattering prospects for the future.

The Ravages of Insects a Cause of their Destruction.—It is well known that after worms have for five or six years committed their ravages on the trees of a region, they suddenly disappear, and have no full return for two or three or more years to come. It has been shown that the destruction is sometimes at least a result of their numbers. The larvæ or worms, when very numerous, consume the leavce of the tree on which they are before they attain full maturity, and, as a consequence, they never pass to the chrysalis state; they remain for a while as larvæ, often showing by their movements that they are half-starved, and then die.—*Scientific American.*

A Singular Plant.—Digitaline, discovered in 1830 by Le Reyer in the *digitalis purpurea* or foxglove, is a drug possessing an electric action on the pulsations of the heart, the vital functions of which it can stop entirely, thereby occasioning death. It is prescribed in very small doses for palpitation of the heart, but even then it must be used with caution, because it accumulates in the system, and the practitioner may sometimes be surprised at the sudden death of his patient even some time after he has left off the use of it.

An ignorant Dutchman passing a number of railroad tracks in the course of a day's journey, and never having seen any before, was nonpluseed to account for their use. At length after examining one of them for about twenty-five minutes, and scratching his head, he ejaculated, "Dey musht be iron clamps, to keep the ertquakes from breaking up der road."

The Chinese portion of Placerville was burned Sunday morning.

The Meerschaums of Fashion.

A man builds a house, and pays, in the first place, ten thousand more than he needs for a location in a fashionable part of the city, though the air will be closer and the chances of health less; he spends three or four thousand more on a stone front, on marble mantles imported from Italy, on plate-gluss windows, plate hinges, and a thousand nice points of finish, and has perhaps but one bath room for a whole household, and that so connected with his own apartment that nobody but himself and his wife can use it.

Another man buys a lot in an open, airy situation, which fashion has not made expensive, and builds without a stone front, marble mantles or plate-gluss windows, but has a perfect system of ventilation through his house, and bathing-rooms in every story, so that the children and guests may all, without inconvenience, enjoy the luxury of abundant water.

The first spends for fashion and show, the second for health and comfort.

Here is a man that will buy his wife a diamond bracelet and a lace shawl, and take her yearly to Washington to show off her beauty in ball-dresses, who yet will not let her pay wages which will command any but the poorest and most inefficient domestic service. The woman is worn out, her life made a desert by exhaustion consequent on a futile attempt to keep up a showy establishment with only half the hands needed for the purpose. Another family will give brilliant parties, have a gay season every year at the first hotels in Newport, and not be able to afford the wife a fire in her chamber in midwinter, or the servants enough food to keep them from constantly deserting. The damp, mouldy, dingy, cellar kitchen, the cold, windy, desolate attic, devoid of any comfort, where the domestics are doomed to pass their whole time, are witnesses to what such families consider economy. Economy, in the view of some, is undisguised slip-shod slovenliness in the home-circle for the sake of fine clothes to be shown abroad; it is undisguised hard selfishness to servants and dependents, counting their every approach to comfort a needless waste,—grudging the Roman Catholic cook her cup of tea at dinner on Friday, when she must not eat meat,—and murmuring that a cracked, second-hand looking glass must be got for the servant's room; what business have they to want to know how they look?

Some families will employ the cheapest physician, without regard to his ability to kill or cure; some will treat diseases in their incipiency with quack medicines, bought cheap, hoping thereby to fend off the doctor's bill. Some women seem to be pursued by an evil demon of economy, which, like an *ignis fatuus* in a bog, delights constantly to tumble them over in the mire of expense. They are dismayed at the quantity of sugar in the recipe for preserves, leave out a quarter, and the whole ferments and is spoiled. They cannot by any means be induced at any one time to buy enough silk to make a dress, and the dress finally, after many convulsions and alterations, must be thrown by altogether, as too scanty. They get poor needles, poor thread, poor sugar, poor raisins, poor tea, poor coal. One wonders, in looking at their blackened, emoldering grates, on a freezing day, what the fire is there at all for—it certainly warms nobody. The only thing they seem likely to be lavish in is funeral expenses, which come in the wake of leaky shoes and imperfect clothing. These funeral expenses at last swallow all, since nobody can dispute an undertaker's bill. One pities these joyless beings. Economy, instead of a rational act of the judgment, is a morbid monomania, eating the pleasure out of life, and haunting them to the grave.

Some people, again, think that nothing is economical but good eating. Their flour is of an extra brand, their meat the first cut; the delicacies of every season, in their dearest stages, come home to their tables with an apologetic smile—"It was scandalously dear, my love, but I thought we must treat ourselves." And yet these people cannot afford to buy books, and pictures they regard as an unthought of extravagance. Trudging home with fifty dollars' worth of delicacies on his arm, Smith meets Jones, who is exulting with a bag of crackers under one arm and a choice bit of an oil painting under the other, which he thinks a bargain at fifty dollars. "I can't afford to buy pictures," Smith says to his spouse, "and I don't know how Jones and his wife manage." Jones and his wife will live on bread and milk for a month, and she will turn her gown the third time, but they will have their picture, and they are happy. Jones' picture remains, and Smith's fifty dollars worth of oysters and canned fruit to-morrow will be gone forever. Of all modes of spending money the swallowing of expensive dainties brings the least return. There is one step lower than this—the consumption of luxuries that are injurious to the health. If all the money spent on tobacco and liquors could be spent in books and pictures, I predict that nobody's health would be a whit less sound, and houses would be vastly more attractive. There is enough money spent in smoking, drinking and overeating, to give every family in the community a good library, to hang everybody's library with lovely pictures, to set up in every house a conservatory which should bloom all winter with choice flowers, to furnish every dwelling with ample bathing and warming accommodations, even down to the dwellings of the poor; and in the millenium I believe this is the way things are to be.

In these times of peril and suffering, if the inquiry arises, How shall there be retrenchment? I answer, First and foremost, retrench things needless, doubtful and positively hurtful, as rum, tobacco, and all the meerschaums of divers colors that do accompany the same. Second, retrench all eating not necessary to health and comfort. A French family would live in luxury on the leavings that are constantly coming from the tables of those who call themselves in middling circumstances. There are superstitions of the table that ought to be broken through. Why must you always have cake in your closet? why need you feel undone to entertain a guest with no cake on your table? Do without it a year, and ask yourselves if you or your children, or any one else, have suffered materially in consequence.

Why is it imperative that you should have two or three courses at every meal? Try the experiment of having but one, and that a very good one, and see if any great amount of suffering ensues. Why must social intercourse consist so largely in eating? In Paris there is a very pretty custom. Each family has one evening in the week when it stays at home and receives friends. Tea, with a little bread and butter and cake, served in the most informal way, is the only refreshment. The rooms are full, busy, bright—everything as easy and joyous as if a monstrous supper, with piles of jelly and mountains of cake, were waiting to give the company a nightmare at the close.

Said a lady, pointing to a gentleman and his wife in a social circle of this kind, "I ought to know them very well—I have seen them every week for twenty years." It is certainly pleasant and confirmative of social enjoyment for friends to eat together; but a little enjoyed in this way answers the purpose as well as a great deal, and better too.

"Well, papa," said Marianne, "in the matter of dress now—how much ought one to spend just to look as others do?"

"I will tell you what I saw the other night, girls, in the parlor of one of our hotels. Two middle-aged Quaker ladies came gliding in, with calm, cheerful faces, and lustrous, dove-colored silks. By their conversation I found that they belonged to that class of women among the Friends who devote themselves to traveling on missions of benevolence. They had just completed a tour of all the hospitals for wounded soldiers in the country, where they had been carrying comforts, arranging, advising and soothing by their cheerful, gentle presence. They were now engaged on another mission, to the lost and erring of their own sex; night after night, guarded by a policeman, they had ventured after midnight into the dance-houses, where girls are being led to ruin, and with gentle words of tender, motherly counsel, sought to win them from their fatal ways—telling them where they might go the next day to find friends who would open to them an asylum and aid them to seek a better life.

"As I looked upon these women, dressed with such modest purity, I began secretly to think that the Apostle was not wrong when he spoke of women adorning themselves with the *ornament* of a meek and quiet spirit; for the habitual gentleness of their expression, the calmness and purity of the lines in their faces, the delicacy and simplicity of their apparel, seemed of themselves a rare and peculiar beauty. I could not help thinking that fashionable bonnets, flowing lace sleeves, and dresses elaborately trimmed, could not have improved their outward appearance. Doubtless their simple wardrobe needed but a small trunk in traveling from place to place, and hindered but little their prayers and ministrations."

Now, it is true, all women are not called to such a life as this; but might not all women take a leaf at least from this book? I submit the inquiry humbly. It seems to me that there are many who go monthly to the sacrament, and receive it with sincere devotion, and who give thanks each time sincerely that they are thus made "members incorporate in the mystical body of Christ," who have never thought of this membership as meaning that they should share Christ's sacrifices for lost souls, or abridge themselves of one ornament or encounter one inconvenience for the sake of those wandering sheep for whom He died. Certainly there is a higher economy which we need to learn—that which makes all things subservient to the spiritual and immortal, and that not merely to the good of our own souls and those of our family, but of all who are knit with us in the great bonds of human brotherhood.—*Harriet Beecher Stowe in the Atlantic Monthly.*

Financial Crisis in Europe.

If we except Russia, Prussia, Holland, and Belgium, a violent financial crisis is now raging in Europe. The two great western nations, France and England, are the most severely tried by that crisis, and, independently of the heavy purchases of silk and cotton made abroad, it must be attributed to some other causes, which are worth inquiring into.

Many great industrial enterprises, such as railroads, canals, etc., have been undertaken during the past twelve years in Russia, Turkey, Spain, Austria, and Italy; and those enterprises requiring hundreds of millions of dollars, have, for the most part, been carried on with English and French capital.

At the same time, great financial institutions, *credits* real and *mobilier*, international banks, etc., have been created in the above-named countries, also by the means of capital furnished by France and England. And while English and French capital emigrated to foreign lands, it could not help to promote and increase the national wealth. We believe that it is for want of an adequate capital that trade, industry and agriculture are suffering in France and England. They have exhausted all the resources which credit can afford—fictitious and real. And now that the bottom has been reached, it is apparent that France and England have miscalculated their strength, undertaken too much, and compromised their internal prosperity for the benefit of other nations.

Their public funds have steadily declined, while the rate of interest has increased—the best proof that the disposable capital has decreased, and that the savings accumulated by successive generations have been exhausted. At the same time, breadstuffs and all the necessaries of life have reached higher prices, so as to render living a very expensive affair; and the fact has been again demonstrated in the history of nations that their real wealth consists in an increasing production of all the necessaries of life. When that production is such that living is easy and the people contented, they may apply themselves to the study of science and the advancement of art and civilization. There is more truth than appears at first sight in the old Latin axiom: *Mens sana in corpore sano.*

The emigration of capital from France and England, for the causes we have enumerated, is certainly the principle source of their financial difficulties; and it is by curtailing their army and navy expenses, that they will be able to weather the storm, which has been brewing during the past few years, through the rashness and want of forecast of their statesmen and capitalists.—*N. Y. Stockholder.*

Meteoric Gems.—We have seen many specimens of meteoric stones, but never, until recently, any which could be considered as gems. We have now in our drawer one of several similar specimens collected by Dr. A. W. Hall, of this city, in the South Park, Rock Mountains, 100 miles south of Denver City, Colorado Territory, of a kind of stone which is quite new to us. It is almost transparent and of a pale blue color, but shows faint flashes of yellow in a strong light, and bears evident marks of having been in a state of fusion. It was found upon the surface of ground which had never been trodden by the foot of man, and from the fresh and clean appearance of its surface could not have been dropped many days or weeks before it was discovered.—*American Artisan.*

The Southern Mines. The Los Angeles News of the 13th, says: It is reported that miners are flocking into the gold placers at Little Creek, San Bernardino county, in large numbers. Soledad, Rosa City, as we learn, has been almost entirely depopulated; all are leaving for the new mines above mentioned. A large proportion of the miners have also left the El Paso and other mining districts north of this place. It is stated that all claims which have been opened are yielding richly, sixty to one hundred dollars a day have been taken out by two men on more than one occasion.

California Newspapers.—The State of California can boast of some of the best newspapers in the United States. There are not only many excellent journals of general and commercial intelligence, but some devoted to agriculture, others to mining, and others to literature. The *Mining and Scientific Press*, published weekly in San Francisco by Messrs. Dewey & Co., and devoted to mining, science, and the mechanical arts, will compare favorably with any paper of its class in the country. It is a handsome sheet of sixteen pages, well edited and printed, and it contains a great variety of valuable information.—*American Artisan.*

The oil excitement in West Virginia, below Wheeling, is having a great run. The Intelligencer says that on Horse Neck, Freach and Cow Creeks, there are nearly a thousand wells in progress. Not one in twenty has proved a success.

What I have Noticed.—I have noticed that all men speak of men's virtues when they are dead; and that all tombstones are marked with epitaphs of good and virtue. Is there any particular cemetery where the bad men are buried?

I have noticed that the prayer of every selfish man is "forgive us our debts," but that he makes everybody pay who owes him, to the utmost farthing.

I have thought that death is a merciless judge, though impartial. Every man owes a debt. Death summons the debtor and he lays down his dust in the currency of mortality.

I have noticed that he who thinks every man a rogue is very certain to see one when he shaves himself, and he ought, in mercy to his neighbors, surrender the rascal to justice.

I have noticed that money is the fool's wisdom, the knave's reputation, the wise man's jewel, the rich man's trouble, the poor man's desire, the covetous man's ambition, and the idol of all.

I have noticed whatever is right—with few exceptions—the left eye, the left leg and the left side of the plum pudding.

I have noticed that merit is always measured in the world only by its success.

I have noticed that as we are also always wishing instead of working for fortune, we are disappointed, and call Dame Fortune blind; but it is the very best evidence that the old lady has capital eyesight, and is no granny with green spectacles.

I have noticed that purses will hold pennies as well as pounds. I have noticed that tombstones say, "Here he lies," which is no doubt often the truth; and if men could see the epitaph their friends sometimes write they would surely believe they had got into the wrong grave.

Increased Explosiveness of Mining Powder.—Mr. Nobel announces that by dumping mining powder with nitro-glycerine its explosive power is trebled, and the noise of the explosion much less than when ordinary powder is used. Glycerine belongs to that class of organic substances in which one or more equivalents of hydrogen may be replaced by an equal number of equivalents of nitrous acid. It is this substitution which changes cotton into gun cotton. The change carries into the compound a quantity of oxygen which on the application of heat enters into combination with the other elements so rapidly that the action is explosive.

How to Judge the weather by the Sky.—The colors of the sky at particular times afford wonderfully good guidance. Not only does a rosy sunset presage fair weather and a ruddy sunrise bad weather, but there are other tints which speak with equal clearness and accuracy. A bright yellow sky in the evening indicates wind; a pale yellow, wet; a neutral grey color constitutes a favorable sign in the evening, an unfavorable one in the morning. The clouds again are full of meaning in themselves. If their forms are soft, undefined and feathery, the weather will be fine; if the edges are hard, sharp, definite, it will be foul. Generally speaking, any deep, unusual hues betoken wind or rain; while the more quiet and delicate tints bespeak fair weather. Simple as these maxims are, the British Board of Trade has thought fit to publish them for the use of sea-faring men.

A Recent Fall of Manna.—Sir Roderick Murchison has been informed that a fall of manna has recently taken place in Asia Minor. This manna is a lichen which is formed in the steppes of the Kurghie, and is often carried in these falls far to the west, across the Caspian. The grains, which are always perfectly detached, have much of the form of a raspberry or mulberry, and are found frequently to be attached to a stony support of granite, sandstone and lime. This manna is ground into flour, and baked into bread, and is known among the Turks by the name of "kerdercoghdasi," which means wonder-corn or grain.

Test of Death.—When fire is applied to a living body a blister filled with liquid is soon raised, and if the heat be continued, the epidermis is destroyed. But when the same heat is applied to a dead body, the epidermis rises in the form of a blister, which is filled with vapor, and which presently bursts. The test has been proposed by M. Martin de Courdoux, to ascertain if a person be really dead before the burial. In performing the test the author recommends a small flame, such as the flame of a match, to be applied for a short time at about half a centimetre from the skin.

A new style of veil is coming into favor with young ladies. It is made in the fashionable black and white figured lace, with a fine elastic run through the upper part, which fits to the edge of the bonnet. A second elastic runs through the lower part of the veil, a short distance from the bottom which fastens it under the chin, giving the effect of a street mask, transparent and very coquettish.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Nov. 12th, 1864.

The excitement attending the election, and the adjournment of the Board for one day, restricted operations during the early part of the week, but since then the market has exhibited more animation, and large transactions have taken place in a number of shares. The market for most leading stocks evinces stability, and a good feeling prevails among dealers. More confidence is felt in the permanence of these miaes, and recent developments would seem to warrant this faith in their future productiveness. A number of claims hitherto largely in debt will soon be in a condition to cancel all their liabilities, and may also disburse something to stockholders on or about the first of January. This addition to the list of dividend-paying stocks will have a beneficial influence upon the market.

Receipts of treasure from the interior since Saturday last amounted to $1,100,000.

Gold bars are selling at 840, and silver bullion ranges at ½ to 3 per cent. premium.

The money market continues abundantly supplied with capital, and most parties meet with no difficulty in borrowing upon good stock, collateral at 1½@2 per cent. per month. Leading shares are in much more favor with capitalists.

Savage was offered at the close at $1,825, and small sales have taken place during the week at $1,800. In drifting to the westward from the lower level, a distance of seventy-five feet from what is known as the North Potosi chimney, a large body of fine ore was reached a few days since. The company are now hoisting some 150 tons daily, and are supplying the Central Mill with first-class ore, averaging about $200 per ton. Receipts of bullion so far during the month are large, and the surplus in the treasury has materially increased.

Gould & Curry has been in less favor, and declined from $1,400 to $1,325, then quickly rallied, and sold yesterday at $1,400. Receipts of bullion so far this month are up to the usual average of about $7,000 per day.

Yellow Jacket was sold at $1,000, buyer 30, and $950 cash, and closed at $955 bid, $1,000 asked. In sinking upon the vein in this mine at a depth of some 310 feet, the rich seam of ore has attained a width of some twelve feet. Other portions of the lode also contain fair milling ore. The company are extracting about 50 tons daily, a portion of which is reserved for shipment to Europe.

Chollar has been actively dealt in, and 30 feet were sold, advancing to $1,075, buyer 30, receding to $985, regular way, rallying again to $1,050, buyer's option, then selling at about $1,000, and closing at $1,000. The upper stope in the south mine is said to be looking well, and the quality of ore found to improve as work progresses in the new galleries now being opened. The lode at this point continues to hold out as the drift proceeds to the southwest. The new reels will be in operation in a day or two, increasing the hoisting capacity of the company to 150 tons daily. Some 30 tons of good ore are now daily taken from the north mine, and a number of additional mills are to be at once employed. All the ores crushed are now paying well.

Hale & Norcross has been in decided request this week, and 49 feet were sold, quickly advancing from $525 to $800 and $1,000, slightly receding to $980, and closing yesterday at $945. A very promising body of good ore has been found this week, about 85 feet north of the Chollar line, in drifting southeast from the 500 feet level. The lode at this point, thus far, is some 16 feet in width, and its character is said to improve as the cross-cut continues. Drift No. 7, at 543 feet level and 50 further north, is also beginning to disclose pay metal.

Crown Point is well maintained at the recent advance, and small sales have been made at $750@760 per foot, buyer 15 days. The prospects of this company are said to be flattering.

Empire Mill & Mining Company is inactive, but strongly held at about $575. The company's two mills are now reducing about 45 tons daily. The mine is, however, producing some 75 tons per day, and a reserve of about 1,500 tons has already been accumulated. The working capacity of one mill is soon to be materially increased. Most of the ore is taken at present from the third level, at a depth of 445 feet. After the payment of the last dividend of $25 per foot, a surplus of more than $20,000 remained at the credit of the company.

Ophir is regarded with rather more favor and 18 feet were sold, advancing from $425 to $440, and closing at $460 bid, $465 asked. The Company's new mill on the Carson River is now making full time and crushing some 30 tons of ore per day. A large body of water in the main shaft will temporarily suspend operations in this portion of the mine.

Imperial is inactive but firm, small sales were made at $147½ per share, and at the close $148 was bid $150 asked. The yield of the mine for the month of November will, it is thought, exceed that of last month.

Uncle Sam was sold at $180 per share. Overman is offered at $130, and Alpha has been inquired for at $350. Belcher is in request at $700.

Bullion rose from $135 to $145, fell to $137½, advanced to $157½, and sold yesterday at $200. Within this range 245 shares were dealt in.

Sheba is in less favor and some 20 feet were sold at $53. The Company received a shipment of $4,000 in bullion this week.

Burning Moscow has continued to be a feature of the market, and 2,683 shares changed hands, opening at $28, advancing to $43, buyer 30, receding to $38, rising to $46, declining to $43½ and selling yesterday afternoon at $46.

Nevada, J. G., is in better favor and rose from $32, seller 30, to $37, closing at $35, seller 30. The assessment of $10 recently levied will, it is thought, cancel all indebtedness and leave some $12,000 in the treasury of the Company.

Bajazet & Golden Era advanced from $19 to $25. Pride of the West was sold at $7 and $8. North American at $40. Baltic at $18 and $20. Daney at $22, and Caledonia Tunnel at $9½ and $10.

Josephine, (Copper) is in request, and sold yesterday at $50. Active operations have been resumed, and two drifts are in progress from the main shaft, at a depth of 187 feet. The Company's prospects are thought to be flattering. Antelope is in much better favor, and at the close $100 was bid.

Golden Age & Empire was dealt in at $14. Wide West declined from $23½ to $18½, and closed at $16 bid.

State Telegraph was sold at $38, and California Steam Navigation at 75. Spring Valley Water Company is enquired for at 45.

Legal Tender Notes have been actively dealt in, $70,000 were sold within the range 42½ seller 30, and 45 flat, 60 days. At the close 46 was bid.

The aggregate sales since Saturday last amount to $330,970.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, November 5.

8 shs Chollar at 1175 per foot, b 30.
4 shs Chollar at 1015 per foot, r w.
28 shs Gould & Curry at 1400 per foot.
36 shs Ophir at 425 per foot.
6 shs Yellow Jacket at 1000 per foot, b 30.
30 shs Burnside at 4¾ per share.
20 shs Burnside at 5 per share.
25 shs Josephine, Coso, at 3 per share.
10 shs Bullion, G. H., at 135 per share.
5 shs Bullion, G. H., at 140 per share, b 30.
10 shs Bullion, G. H., at 140 per share, r w.
10 shs Bullion, G. H., at 145 per share, b 20.
20 shs Nevada J. G., at 32 per share, s 30.
13 shs Golden Age & Empire at 14 per share.
15 shs Burning Moscow at 28 per share.
20 shs Burning Moscow at 29 per share.
20 shs Burning Moscow at 30 per share.
10 shs Burning Moscow at 32 per share, b 5.
100 shs Burning Moscow at 31 per share.
10 shs Burning Moscow at 35 per share, b 30.
10 shs Burning Moscow at 31¼ per share.
10 shs Burning Moscow at 32 per share.
10 shs Burning Moscow at 31 per share, r w.
10 shs Burning Moscow at 30 per share, s 10.

AFTERNOON SESSION.

1 sh Hale & Norcross at 535 per foot.
24 shs Ophir at 420 per foot.
10 shs Chollar at 1060 per foot, b 30.
4 shs Chollar at 990 per share.
4 shs Chollar at 935 per foot.
1 shs Crown Point at 760 per foot, b 15.
20 shs Sheba at 53 per foot, b 30.
5 shs Antelope at 78 per share.
5 shs Antelope at 77½ per share.
5 shs Lady Bryan at 3 per share, r w.
4 shs Imperial at 147 per share.
4 shs Bullion, G. H., at 137½ per share.
15 shs Bajazet & Golden Era at 19 per share.
20 shs Burning Moscow at 34 per share.
10 shs Burning Moscow at 33 per share.
30 shs Burning Moscow at 35 per share, b 30.
25 shs Burning Moscow at 32 per share.
10 shs Burning Moscow at 32 per share, b 3.
10 shs Burning Moscow at 32 per share, r w.
10 shs State Telegraph at 38 per cent.
Amount of sales.....$48,908 00

Monday, November 7.

48 shs Ophir at 420 per foot.
4 shs Chollar at 1000 per foot.
4 shs Chollar at 1025 per foot, b 10.
4 shs Chollar at 1040 per foot, b 30.
4 shs Chollar 1050 per foot, b 30.
4 shs Gould & Curry at 1410 per foot.
50 shs Burning Moscow at 32 per share.
10 shs Burning Moscow at 33 per share.
10 shs Burning Moscow at 34 per share.
20 shs Burning Moscow at 36 per share, r w.
10 shs Burning Moscow at 40 per share, b 30.
20 shs Burning Moscow at 37 per share.
10 shs Burning Moscow at 33 per share, r w.
110 shs Burning Moscow at 38½ per share.
10 shs Burning Moscow at 38½ per share, r w.
10 shs Burning Moscow at 35 per share, s 30.
20 shs Burning Moscow at 40 per share, r w.
40 shs Burning Moscow at 39½ per share.
10 shs Burning Moscow at 43 per share, b 30.
10 shs Burning Moscow at 39 per share, r w.
10 shs Burning Moscow at 39 per share.
10 shs Bajazet & Golden Era at 20 per share.
10 shs Bajazet & Golden Era at 20 per share, s 30.
10 shs Caledonia Tunnel at 9½ per share.
10 shs Caledonia Tunnel at 9¾ per share.
5 shs Lady Bryan at 2¾ per share.
5 shs Nevada, J. G., at 35 per share.
5 shs Imperial at 147½ per share.

AFTERNOON SESSION.

2 shs Hale & Norcross at 527½ per foot.
2 shs Hale & Norcross at 525 per foot.
8 shs Chollar at 995 per foot.
12 shs Chollar at 1000 per foot, r w.
4 shs Chollar at 1050 per foot, b 30.
16 shs Chollar at 995 per foot, r w.
10 shs Caledonia Tunnel at 10 per share.
10 shs Nevada, J. G., at 35 per share, s 30.
2 shs Imperial at 147½ per share.
50 shs Burning Moscow at 35 per share.
40 shs Burning Moscow at 32½ per share.
10 shs Burning Moscow at 35 per share, s 30.
100 shs Burning Moscow at 36 per share.
20 shs Burning Moscow at 37 per share.
60 shs Burning Moscow at 35½ per share.
20 shs Burning Moscow at 40 per share, b 30.
20 shs Burning Moscow at 33½ per share, s 30.
10 shs Burning Moscow at 34 per share, s 30.
10 shs Burning Moscow at 35 per share.
20 shs Burning Moscow at 35½ per share.
Amount of sales.....$45,785 00

Wednesday, November 9.

$25,000 Legal Tender Notes at 42¼ per cent, s 30.
15 shs Gould & Curry at $1400 per foot.
4 shs Gould & Curry at 1420 per foot, b 30.
6 shs Hale & Norcross 515 per foot.
2 shs Hale & Norcross at 535 per foot.
20 shs Chollar at 1000 per foot.
4 shs Chollar at 995 per foot.
20 shs Bullion G. H. at 145 per share.
5 shs Bullion, G. H., at 150 per share, b 10.
15 shs Pride of the West at 7 per share.
25 shs Bajazet and Golden Era at 25 per share.
40 shs Lady Bryan at 3 per share.
10 shs Nevada, J. G. at 35 per share.
10 shs Nevada, J. G. at 36¼ per share.
10 shs Caledonia Tunnel at 10 per share.
45 shs Burning Moscow at 38 per share.
18 shs Burning Moscow at 39 per share.
20 shs Burning Moscow at 40 per share.
10 shs Burning Moscow at 40 per share, r w.
30 shs Burning Moscow at 40 per share, s 5.
25 shs Burning Moscow at 41 per share.
40 shs Burning Moscow at 40 per share, s 10.
50 shs BurningMoscow at 38 per share, s 30.
50 shs Burning Moscow at 42 per share, r w.
30 shs Burning Moscow at 41 per share, r w.
10 shs Burning Moscow at 39 per share, s 10.

AFTERNOON SESSION.

$10,000 Legal Tender Notes at 42½ per cent, s 60.
$10,000 Legal Tender Notes at 43 per cent, s 60.
$10,000 Legal Tender Notes at 45 per cent, 60 ds.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct.	U. S. Treasury.	1864	
Legal Tender Notes	45½	46½					
California State Bonds, 7s, 1857	75	77	3,620,500			1867	
San Francisco Bonds, 10s, 1851		100	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	62	64	1,133,500	January and July	San Francisco	1858	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	73	75	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s	44	50	440,000				
Marysville Boads, 10s	75	85					
Stockton City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	75	—	2,500	$1,000		2 ₱ ct. ₱ month on capital stock.	Dividend of 3 ₱ ct. paid Oct. 15.
State Telegraph Co	38	40	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	80	82	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	—	—	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	46	—	3,000	1,000	$450		Assmn't of $10 ₱ sh levied Nov. 4.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co		27	8,000	100	$100		
Omnibus Railroad Co	—	110	10,000	100	41 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ₱ cent.—$38.		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co	109	110	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	117	122	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,374.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ₱ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ month on capital stock	39th dividend paid.

2 shs Hale & Norcross at 675 per foot.
4 shs Hale & Norcross at 750 per foot.
4 shs Hale & Norcross at 760 per foot.
12 shs Hale & Norcross at 800 per foot.
4 shs Gould & Curry at 1370 per foot.
24 shs Daney at 20 per foot.
20 shs Wide West at 22½ per share.
40 shs Wide West at 23 per share.
10 shs Wide West at 23½ per share.
10 shs Nevada, J. G., at 36½ per share.
30 shs Burning Moscow at 42 per share.
100 shs Burning Moscow at 40 per share.
20 shs Burning Moscow at 39 per share.
20 shs Burning Moscow at 39 per shares, 10.
10 shs Burning Moscow at 40 per share, r w.
30 shs Burning Moscow at 38 per share, s 30.
10 shs Burning Moscow at 40 per share, s 10.
30 shs Burning Moscow at 41 per share, r w.
10 shs Burning Moscow at 41 per share.
6 shs Bajazet and Golden Era at 25 per share.
40 shs Caledonia Tunnel at 10 per share.
Amount of sales.....$78,456 00

Thursday, November 10.

36 shs Ophir at 430 per foot.
12 shs Ophir at 435 per foot.
4 shs Gould & Curry at 1400 per foot, b 30.
4 shs Gould & Curry at 1335 per foot.
4 shs Gould & Curry at 1330 per foot.
4 shs Gould & Curry at 1325 per foot.
4 shs Gould & Curry at 1327½ per foot.
4 shs Hale & Norcross at 900 per foot.
20 shs Hale & Norcross at 905 per foot.
4 shs Hale & Norcross at 900 per foot, s 15.
2 shs Hale & Norcross at 925 per foot, r w.
2 shs Hale & Norcross at 930 per foot.
6 shs Hale & Norcross at 1000 per foot.
12 shs Chollar at 1000 per foot, r w.
2 shs Uncle Sam at 180 per share.
5 shs Yellow Jacket at 950 per foot.
4½ shs Bajazet and Golden Era at 25 per foot, r w.
10 shs Wide West at 20 per share, r w.
10 shs Wide West at 19 per shnre, r w.
5 shs Bullion, G. H., at 152 per share.
30 shs Bullion, G. H., at 155 per share, b 4.
10 shs Bullion, G. H., at 157½ per share, b 4.
10 shs North American at 40 per share.
10 shs Burning Moscow at 47½ per share.
65 shs Burning Moscow at 40 per share.
50 shs Burning Moscow at 45 per share, s 10.
40 shs Burning Moscow at 46½ per share, r w.
10 shs Burning Moscow at 41 per share, s 30.
20 shs Burning Moscow at 46½ per share.
20 shs Burning Moscow at 44 per share, s 10.
20 shs Burning Moscow at 47 per share, b 10.
90 shs Burning Moscow at 45½ per share.
30 shs Burning Moscow at 46 per share.
40 shs Burning Moscow at 45 per share.
35 shs Burning Moscow at 46 per share, r w.
10 shs Burning Moscow at 42 per share, s 30.
60 shs Burning Moscow at 42½ per share, s 30.
10 shs Burning Moscow at 44½ per share, s 10.

AFTERNOON SESSION.

6 shs Hale & Norcross at 1000 per foot.
4 shs Hale & Norcross at 980 per foot.
6 shs Hale & Norcross at 980 per foot.
2 shs Crown Point at 750 per foot, b 15.
1 sh Savage at 1800 per foot, r w.
20 shs Wide West at 18½ per share.
1 sh Bullion, G. H., at 165 per share.
18 shs Nevada, J. G. at 37 per share.
10 shs Baltic at 18 per share.
20 shs Burning Moscow at 42½ per sbare.
10 shs Burning Moscow at 42 per share.
10 shs Burning Moscow at 41½ per share.
20 shs Burning Moscow at 41 per share.
30 shs Burning Moscow at 40½ per share.
10 shs Burning Moscow at 41 per share, r w,
10 shs Burning Moscow at 41 per share, s 30.
10 shs Burning Moscow at 42 per share, r w.
$15,000 Legal Tender Notes at 43 per cent, s 60.
Amount of sales.....$85,921 00

Friday, November 11.

8 shares Chollar at 1000 per foot.
24 shs Ophir at 440 per foot.
4 shs Hale & Norcross at 960 per foot.
2 shs Hale & Norcross at 950 per foot.
2 shs Hale & Norcross at 945 per foot.
16 shs Gould & Curry at 1400 per foot.
10 shs Sierra Nevada at 45 per share.
62 shs Bunnside at 5 per share.
20 shs Caledonia Tunnel at 10 per share.
13 shs Melones at 6½ per share.
15 shs Michigan at 17 per share.
20 shs Nevada, J. G. at 37 per share.
10 shs Nevada, J. G. at 35 per share, s 30.
65 shs Baltic at 20 per share.
50 Josephine, Copper, at 50 per share, s 30.
20 shs Lady Bryan at 3 per share.
85 shs Bullion, G. H., at 200 per share, b 5.
12 shs Bullion, G. H., at 200 per share.
10 shs Bullion, G. H., at 200 per share, b 30.
5 shs Real del Monte at 22 per share.
385 shs Burning Moscow at 42¾@46 per share.
10 shs Burning Moscow at 45 per share, s 5.
30 shs Burning Moscow at 45 per share, s 10.
10 shs Burning Moscow at 42½ per share, s 30.

AFTERNOON SESSION.

116 shs Daney at 22 per foot.
40 shs Daney at 23 per foot.
12 shs Ophir at 460 per foot, 30 ds.
12 shs Ophir at 460 per foot.
20 shs Justis at 37 per share.
15 shs Justis at 36 per share.
5 shs Burning Moscow at 46 per share.
20 shs Burning Moscow at 47 per share.
10 shs Burning Moscow at 46½ per share.
4 shs Bullion, G. H., at 135 per share.
5 shs Bullion, G. H., at 200 per share, b 30.
10 shs Bullion, G. H., at 200 per share, b 10.
5 shs Bullion, G. H., at 200 per share. b 5.
8 shs Gould & Curry at 1400 per foot.
20 shs Caledonia Tunnel as 10 per share.
Amount of sales.....$71,900 00

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the Mining and Scientific Press, from January 1st to July 1st, can be procured on application to the office.

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month'ly dividend Paid.	Recent Assessments Per foot	Total Assts Paid.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	20 00	21 00		July 23 $6, Oct. 12, $10.	45 00
Bajazett and Golden Era	4,000	1	4,000	500 00	23 00	20 00		July 30, $5. Aug. 3, $5.	38 25
Best & Belcher	224	4	896	500 00	—	800 00		May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	42 00	43 00		Jun 19, $15; June 24 $5.	50 24
Burnside	2,800	1	2,800	500 00	5 00	6 00		Feb 10, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	700 00	800 00	$24		
Buckeye	3,000		2,800	100 00	5 00	6 00		Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	100 00	200 00	205 00		Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—	—		July 12, $150 00	
Central	150	12	1,800	300 00	200 00	600 00		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	10 00	10 00		May 25, $3, July 12, $1½	10 50
Crown Point	600	4	2,400	1,000 00	725 00	800 00			100 00
Chas. Caucy	1,800	1	1,800	100 00	—	15 00		Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,400	4	5,600	800 00	1,000 00	1,000 00		Jan 25, $60; Apr 15, $50.	350 00
Daney	2,000	4	8,000	100 00	20 00	22 00		Sept 15, $10; Nov 7, $8.	66 00
Desert	2,200	1	2,200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—		Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	10	1,000	833 00	550 00	600 00	$25		
Gould & Curry	1,200	4	4,800	500 00	1,400 00	1,400 00	$60		
Grass Valley	4,200	1	4,200	500 00	—	30 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	040 00	045 00		July 18, $50; Sept. 13, $50.	425 00
Imperial	184	1	4,000	500 00	148 00	150 00	$7 50	Dec 22, $12 50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	—	12 00		Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	2 00	3 00		July 19 $3; Nov. 1, $5.	23 25
Lucerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 10, $5.	26 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	16 00	17 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	35 00	37 00		July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00		Aug 6, $12½; Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	40 00	45 00		Mar 23, $20; Sept 2 $2.	
North Ophir	1,600	1	1,600	500 00	—	—		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	—	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	440 00	450 00	$48		
Overman	1,200	1	1,200	500 00	145 00	150 00		June 7, $20; July 7, $20.	
Potosi	1,400	2	2,800	500 00	825 00	000 00		Dec 9, $50.	62 00
Porter	600	1	1,600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	8 00	0 00	$5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	—	1,850 00	$75		135 00
Sacramento & Meredith	3,000	4	14,400	125 00	—	—		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	45 00	48 00		Mar 8, $5; May 16, $10.	98 00
Spanish No. 2	1,600	1	1,600	500 00	—	10 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	175 00	200 00		Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—		Mar 26, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	50 00		June 17, $30; Oct 0, $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	935 00	1,000 00		July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	90 00	100 00		Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00			12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	13 00	14 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	22 00	23 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	5 00		Jan 6, $3; Sept 20, $12½	19 00
Wide West	2,500	1	2,600	500 00	18 00	20 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000		3,600	600 00	—	—		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	5 00	6 00		Oct 19, $3; July 31, 50c.	12 00
San Carlos			2,500	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	—	20 00		July 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	50 00	55 00		Mar 10, $10; Aug 12, $20.	52 35

REESE RIVER DISTRICT.

Amador	1,400				—	—		May 3, $5; June 21, $4.	20 00
Ceral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oregon	800	2	1,600	300 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whillatch	600	2	1,200	1,000 00	—	—		May 11, $10; June 25, $5.	15 00
Willow	2,800		1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blado	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—		Feb 10, $30; Aug 23, $10.	150 00
Sradc Guadelupe	3,000	1	3,000	1,000 00	—	—			9 00
San Marcial	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	200 00	—	—		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00		Jun 16, $1½; Oct 5, $1½	
Fellows	2,600	1	2,600	100 00	—	—			
Melones	3,000	1	3,000	50 00	6 00	0 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	—	80 00		Feb 13, $10; Juac 8, $5.	15 00
Triunfo, L. C.	7,856	1	7,856	200 00	—	25 00		June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	April 10th.	April 20th.	May 2d.	May 10th.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.
Gould & Curry.....per ft.	$4,550	$4,490	$4,100	$3,850	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300
Ophir	1,680	1,600	1,225	1,100	1,200	825	920	850	720	725	670	425	450	500	490	460	300	350
Savage	2,500	....	2,750	2,150	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,280	1,225	1,400	1,400
Potosi	1,050	900	850	625	900	850	850	850	1,000	900	1,000	925	875	900	690	600	620	720
Chollar	315	400	560	600	650	500	575	515	375	425	300	300	325	475	550	650	660	690
Hale & Norcross	625	....	600	550	525	500	425	350	75	350	....	210	....	300	480	425	240	350
Sheba	115	110	115	110	100	90	90	80	75	70	50	40	25	20	80	95	75	70
Daney	105	110	100	82	....	60	....	60	....	50	45	30	35	....	35	30	....	20
Wide West	22	25	25	25	22	20	15	12	10	8	7	20	17	18	20	31	27	35
Burning Moscow	100	103	95	80	55	52	45	40	23	15	13	12	15	18	20	19	27	60
Pride of the West	95	85	78	30	18	8	10	5	6	3	2	....	2	....	2	....	2	8
Bullion	73	70	68	80	70	68	65	70	65	50	50	40	30	....	40	40	40	55
Real del Monte	71	....	68	50	48	40	41	32	23	15	12	11	13	14	15	19	19	35
El Dorado	....	....	....	....	....	....	....	....	....	....	10	8	10	12	5	....	....	....
Overman	300	400	300	250	....	....	200	200	250	200	....	250	225	....	150	175	160	....
Sierra Nevada	75	....	65	60	55	....	....	....	....	20	15	16	15	....	10	22	20	....
Yellow Jacket	....	....	900	600	750	750	950	900	850	700	600	450	400	450	370	400	575	600
White & Murphy	450	450	400	....	....	....	....	....	....	....	300	....	....	....	....	....	....	....
Sides	500	450	350	....	....	....	....	....	....	....	200	....	....	175	....	....	....	....
Uncle Sam	1,000	950	800	700	700	650	700	610	....	400	350	250	190	210	200	200	....	200
Baltic	160	135	115	100	65	75	70	55	45	40	22	15	13	13	16	24	23	22
North American	130	155	165	150	110	122	120	90	65	62	54	30	....	25	25	25	130	25
Baltimore American	42	65	52	50	47	35	....	50	40	42	35	30	32	20	20	15	25	....
Melones	....	40	35	25	15	20	15	....	12	10	12	9	13	17	13	13	....	....
Antelope	150	....	160	....	147	....	125	130	100	65	70	50	....	....	14	12	20	15
Napoleon	80	....	....	80	75	70	80	75	70	65	60	45	....	50	50	....	....	....
Sacramento	50	52	53	50	50	50	45	....	....	....	20	....	....	....	....	....	....	....
Utah	21	23	28	20	....	....	28	26	30	18	15	18	15	....	....	....	5	....
Lady Bryan	67	50	42	39	35	23	32	25	25	10	4	5	4	5	5	7	6	9

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

FRANK LAWTON, Secretary. J. B. E. CAVALLIER, President.

Mechanical.

Cleaning Oil-Stones.—A correspondent of the American *Artisan* gives the following recips for cleaning oil stones and hones:—"Take potash, or pearlash, or saleratus, or borax, or any other alkali, and put from half an ounce to an ounce in a half pint bottle, fill with soft water and cork and keep for use. When wanted pour as much upon the stone as will spread over the same, and let it stand until the oil is 'ent,' then wash off. Try it, and you will be able to hone as well as when the stone was new." It is well known that oil-stones become fouled after a little use, and no "grit', is observable, although the best oil may may be used. The steel which is cut off by use gives the oil a drying property, which fouls the stone; after which it takes twice the time to set the edge of an instrument that is required to clean off the stone and renew the oil. Water will not unite with grease, but it often happens that water-stones become fouled with oil from use. The alkali, applied as above, unites with the oil, a soap is the result, which can be washed off with clear water, and the fresh oil or water applied.

A Mechanical Query.—When a wheel is rolling along the ground, the upper portion moves more rapidly, in relation to the earth, than the lower, so that the motion of every portion of the wheel, except the center, undergoes a series of changes in velocity during every revolution. This fact has suggested two mechanical queries which are propounded by the *Scientific American* as follows:

First.—Do these changes in the velocity of the several parts have any tendency to check, through the action of inertia, the onward rolling of the wheel?

Second.—Do the changes have any tendency to alter the form of the wheel; and if so, in what way?

Elasticity of Cast Iron Cannon.—The elasticity of large cast iron cannon, according to the London *Artisan*, was recently pretty well demonstrated in the trial of one of Blakely's 11-inch cast iron guns, hooped with *steel*. During the trial one of the steel hoops was *broken* by the expansion of the gun, while the gun to all appearances remained uninjured. Another hoop was placed upon it, and the gun submitted to further and most severe trial without manifesting any sign of strain or damage from the trial which broke the steel hoop. The gun was fifteen feet long and forty-three inches in diameter.

New English Steam Engine.—An English Lieutenant has just invented a new style of engine which is designed to be exceedingly compact and simple in its details. It is merely a cylinder fitted with a very deep piston. This piston has a cylinder inside of it, running at right angles with the bore of the main cylinder. There are two pistons in this cylinder which connect by rods to a crank shaft running through the large cylinder. The deep piston also connects to this crank shaft, so that when it has made one stroke, carrying the crank shaft part of the stroke, the small cylinders in the main piston act on the crank shaft, and also impel it. The whole engine is no larger than the cylinder, everything being enclosed in it. Steam is used on the smaller cylinders first, and then let into the larger one.

Method of Making Cast Steel.—Mr. Clay Gazalat has communicated to the Academy of Sciences at Paris, that by passing through fused cast iron at 1400 degrees centigrade, numerous capillary jets of superheated steam, he is enabled rapidly to remove the carbon which is taken up by the hydrogen of the decomposed water, and also to burn out, by the oxygen liberated from the water, the silicon, while the sulphur, the arsenic, and even the phosphorous are removed in combination with the hydrogen. Should this prove to be so, we may have an auxiliary to Bessemer's method, at least, and possibly even a substitute for it.

A company in London has bought one hundred and forty acres a few miles from the city, and purpose to enclose it with glass, making a climate like that of Maderia, with the fruits and foliage to be found in that isle. A hotel and residences are to be built, and great prices will be charged for a chance to live under glass.

The Largest.—The largest bell in America is supposed to be the one hung in the tower of the Catholic Church in Cincinnati.

The Hand Quartz Mills in Reese River.—We clip the following with regard to the hand and horse quartz mills, at Austin, from the Reese River *Reveille*:—Some few of our citizens have censured us severely for advocating and recommending the use of horse and hand mills, and hand mortars, for the purpose of crushing ore; and some went even so far as to say that we were encouraging petit larceny, as many of the persons who were engaged in the business did not have claims, or sufficient means to purchase the rock. Now, so far as countenancing or encouraging pilfering is concerned, we deprecate it as much as any one; but, on the other hand, if a man will steal, we should much prefer that he would steal the rock, get the silver out of it, buy his provision, and put the money in circulation, than to steal the necessaries of life. In the former case he is a producer, and the latter makes him a worthless consumer altogether. But it does not follow that to make a hand-mill pay, a person must "Jayhawk" the rock. There are hundreds of claims in this city and vicinity that are abandoned, not because they were not rich, but simply because the owners did not have the means necessary to work them. From these claims an abundance of ore can be obtained to run all the hand mills that will be started here for ages. Three months since there was not a horse or hand mill in the city, and but few hand mortars used. Now there are over *thirty* of the former in successful operation, the latter having gone almost entirely out of use. From Mr. Salmon, the inventor of the new amalgamator, we learn some interesting facts. He is engaged in amalgamating exclusively for the horse and hand mills, and does it with one of his tubs by hand power. He takes out over $500 a week, but finds it impossible to do all the work that is offered him. The bullion all runs over 900 fine. Four gentlemen for whom it has been working took out sufficient after night, in hand mortars, to keep them in provisions and develop their claim, and they are now having a large lot worked at one of the steam mills. Another, who was on the eve of leaving here in despair, went to work with a hand mill, and has taken out enough to send for his family in Wisconsin, besides having sufficient means to last him the ensuing winter. Mr. Salmon knows of many good and experienced miners who would have left the country, but who, by these minature inventions, have been enabled to "stick it out," work their claims and help to develop our wonderful and most remarkable mines. There is at least two thousand dollars per week of bullion taken out by these mills, and it is constantly increasing. They keep many men employed, to assist in developing a number of mines, and put many dollars of our buried wealth into circulation; besides, it makes all engaged in the business thorough and experienced millmen. For these and many other reasons that we could give, we favored and still favor the introduction of these mills.—*Reese River Reveille.*

What is an Engineer.—He is neither a pedant, however profound, nor a visionary empiric, however ingenious, nor a mere mechanic, however dexterous. Engineering consists in the adaptation of the forces of nature to the wants of human society—the word adaptation being used in the wide senses of directing, preparing and producing. These forces of nature are recondite and complicated, and, although that inquiring animal, man, has been face to face with unchanging nature for thousands of years, he has not been able to wheedle all her secrets from her. Science, however, such as it is, is the human practice of generations and generations: it is the knowledge power latent in the life-span of a single individual multiplied many thousands of times. The self satisfied empiric, or the mere operative, who rejects that accumulated labor called science, shows a narrow-minded ignorance which is only equaled by the learned man who fancies that everything can be done by mathematical calculation. Much more could be done by theory if theories were complete, but science, in its present state, is only imperfect, and requires to be bound together for every-day use by every-day practice. And the imperfection of man's individual powers will never allow what is termed practice to be dispensed with, while an ounce of mother-wit will always be worth more than a ton of school-wit. We may thus define an engineer as a man more or less gifted with the constructive and philosophical faculties, furnished with a sound education in the modern sciences, and one who has passed as much, or more, preparatory time in the workshop as in the lecture-room.—*London Engineer.*

Franklin was once asked, "What is the use of your discovery of atmospheric electricity?" The philosopher answered the question by another. "What is the use of a new-born infant?"

An elegant meerschaum clay has been found in an old red sandstone quarry at West Bardnill, Scotland, which will rival the German.

New Material—Paper Ships and Paper Guns.

The London *Observer* describes a new preparation of paper of a remarkable character. The uses to which it may be applied were explained on the the 13th of August, at the Phœnix Works, Battersea, as follows:

There were tubes made of paper which had been tested in the most satisfactory manner as rocket tubes. Being made of paper they are, of course, very much lighter than the ordinary iron tubes, and they stand the test of rocket firing equally as well as those made of metal. Not less remarkable were the thick slabs and boards made of paper. These boards, of one inch in thickness, had been tested by bullet and ball, and the results showed that their power of resistance was equal to ten inches of solid oak. The bullet, which had passed so far through the paper board as to cause a projecting surface at the rear, would have gone clean through the oak, fracturing and tearing it in all directions, while in the paper board the perforation was a small, clean, round hole. These paper boards are admirably adapted for the sides of ships; their specific gravity is somewhat less than that of oak, and they are easily fixed to the framework of vessels. They have, however, this additional advantage over timber—they do not require copper-sheathing to prevent fouling, they are non-absorbent, and neither animal nor vegetable life flourishes upon their surface, as is the case with timber and iron. They have also this further advantage that they are incombustible. No amount of heat will set them in a blaze. The application of great heat will produce combustion in the immediate neighborhood of the flame, but anything like ordinary burning is quite out of the question. In addition, however, to all these good qualities, paper has positively the advantage over timber and iron in the matter of cost.

M. Szerlemy, the inventor, well known for the successful manner in which he has arrested the decay of certain portions of the exterior of the houses of Parliament, has discovered a fibre which grows in the southern portions of Germany, and which may be converted into a rough kind of paper at a cost so trifling as to enable him to compete with the builder of timber and iron ships. Not content, however, with forming the sides of ships of paper, the inventor is now engaged in the construction of light field pieces, specially adapted for mountain warfare, and these, judging from the results already obtained by experiments with paper tubes, will be found to answer the purpose admirably. Tubes have already been formed of this prepared paper, and they have stood the test against iron in the most satisfactory manner.

So far as we were enabled to ascertain the process of manufacture, it consists of lapping sheets or rolls of paper, moistened with a solution of which zopissa is the principal ingredient, one over the other, until the requisite degree of thickness or strength is attained, and exposing the material for a short time until it becomes thoroughly hardened. This zopissa is of the nature of a gum, and is found in considerable quantities in Egypt. It has the peculiarity of giving extraordinary hardness to any surface upon which it is placed, and it was very extensively used in the preparation employed for preserving the stone in the exterior of the House of Commons. It has also been used for the exterior of the Bank of England, the interior of the dome of St. Paul's, on which Mr. Penrose has painted his frescoes, and it has just been applied with extraordinary success to the arches of the London, Chatham and Dover railway, at the Elephant and Castle station, which has lately suffered considerably from damp and the infiltration of water from the roadway.

There appears to be no limit to the application of this useful material. In addition to the preservation of paper, linen, stone, brick, plaster, and other material, another almost as useful application of this article was shown in the perfection of a material resembling flock paper, and suitable for carpets, which can be prepared of any color and with endless variety of pattern. A slight alteration in the mode of treatment converts canvas into a description of oilcloth which will stand any amount of wear, as may be seen from some pieces which have been for several months laid down in the workshops at Battersea. The materials of a house are now in course of construction, for the purpose of showing the adaptability of the paper boards to the construction of emigrant's houses, temporary churches and barracks. Already large quantities of a material known as 'Panouia,' or leather cloth, is manufactured by the use of this extraordinary substance, and made up into boots and shoes, which rival in their durable qualities the best kinds of leather.

Gold Test.—A good test for gold or silver is a piece of lunar caustic, fixed with a pointed piece of wood. Slightly wet the metal to be tested, and rub it gently with the caustic. If gold or silver, the mark will be faint; but if an inferior metal, it will be quite black. Jewellers who purchase old gold often use this test.

Complimentary to American Inventors.

No people are so full of ingenious little expedients for saving labor and material as are the Americans. The force of circumstances has made the Yankee a master in the art of extemporizing little "dodges" in mechanism. Self-help is the great lesson a man receives when he sets foot in a new country, and it is in the invention of helps in metal and wood—helps which need no wages, and which never strike, or tire, or grow sick—that the New Englander excels.

There is nothing outside of a pantomime more ludicrously clever than some of the inventions which have of late years been introduced into this country from the West. The process of making common pails by machinery is so rapid as to baffle the eye, and so comically instantaneous that the stranger who witnesses it for the first time laughs over it as a most excellent practical joke. There is a whizz of revolving wheels, a spatter of light shavings, a procession of little staves chasing one another in the air, then another whizz of the collected staves, and the bucket is hooped and made. Scarcely less amusing is the little mechanical device for paring apples by machinery. The machinery is the veriest toy—simple and cheap—but it brings off the rind with an almost magical delicacy, and while it pares the fruit with an accuracy which seems to bespeak a special sense of touch, it slices the apple and takes out the core at the same time.

Success in such small matters has made the American bold, and has trained him to habits of innovation. So far from dreading novelty, he likes novelty for its own sake, and to secure it, he often reverses our way of doing things. In his steamboats he builds up the cabins tier over tier upon deck, instead of below, and he suffers the engine to work high in air above the many stories of cabins. When he wants to put another story to a great building he adds the new floor at the bottom instead of at the top; and be it a bank, hotel or huge store, he is ready at your command either to lift the entire block or to slide it on its travels to a more eligible location.

In printing newspapers, he builds his type upon cylinders instead of laying it upon the slow-working table, and he makes the machine pick up and take off its own printed copies with a regularity and neatness which no number of trained hands can equal. His gunboats are floating martello towers, that can fire fore and aft as readily as from the sides. His river steamers are amphibious, and may go anywhere where it is a little damp. He is partial to machinery, because it does not grumble, is not impudent, is not extortionate; and hence it comes that his crops are gathered with patent reapers, his linen is washed with wooden hands, his cows are milked by the patent cow-milker, his potatoes as well as his apples are pared by one of the queerest little steel kitchen-maids, who has no "followers," and who wastes none of his fruit; and even his chairs, his tables and his cabinet work in general come from manufactories large as our cotton mills, where they are turned out in parts by swift-moving machinery.—*Dundee (Scotland) Advertiser.*

A New Coloring Matter—deep purple—said to be extracted from sugar, under the name of Avelia and costing $25 per gallon, has recently been introduced into London. It is pronounced by the proprietors a magnificent color, equal to the finest Anilines. The price is, however, very high, and, unless its superiority to the favorite Mauve of the Aniline group can be positively shown, it will stand no chance of adoption by the dyers. There is no limit to the discoveries that may be made in this line of inquiry. The Anilines hold a royal rank. All efforts at improvement on them, so far, have been abortive. Aniline is commonly spoken of as made from coal tar, from which it was originally obtained; but it is now obtained from benzole, which is only one of the sixty odd products of the distillation of coal. There are many varieties of these colors, and several of them of remarkable brilliancy. Their manufacture is carried on to some extent in this country, but the chief source of supply for the American market is Great Britain. There is room here for American talent and enterprise, that we hope will find its way into the mysteries of Aniline, and work out for our dyers an independence of all foreign manufactures.

A New Brick for Garden Walls.—Mr. Foxley, of Stony Stratford, England, has invented a new brick, ingeniously contrived, for avoiding the necessity of nailing for training trees to garden walls. The brick has a projecting bead in the center of the face, which is drilled with holes so as to admit the passage of a piece of string or bass, with which the branch may be tied. One advantage of the head is that it admits of a free circulation of air between the plant and the wall, preventing the formation of mildew and rot, and the accumulation of insects. The cost is said to be little more than that of an ordinary brick.

Mining and Scientific Press.

W. H. EWER,.....SENIOR EDITOR.

C. W. H. SMITH. W. H. EWER. A. T. DEWEY.

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Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:

Saturday Morning, Nov. 12, 1864.

THE GRASS VALLEY MINES.

In our last we made quite a full notice of some of the recent discoveries and developments in what is known as the "New District," situated to the east of the town. We made that notice from personal observation, and intended to have made an equally thorough examination of the older mines located to the south and west of the town, during our stay in that place, but other engagements so occupied our time that we were unable to do so, and we are compelled to content ourselves with a mere "brief mention" from observations previously made and more recent information derived from oral communication, with parties interested or acquainted with the mines.

The Gold Hill mill, one of the oldest and most noted establishments of the kind in Nevada County, is still pounding away at custom work, and daily turning out large quantities of bullion. This mill is not connected with any particular mine, but is employed exclusively as a custom mill. It is now chiefly engaged in crushing rock for the Lucky Company, for which it is taking out about $4,500 per week. Below the Gold Hill we have Rush & Laton's mill, and that known as the French mill. Both of these mills appear to be kept pretty busy. The Empire Mill, in this neighborhood, has been idle for some time, the engine having been taken out of it to be placed upon another locality. The property has recently changed hands, another engine has been procured, and this old pioneer mill will soon be again in operation.

MASSACHUSETTS HILL. This famous mine, owned by the Messrs. Watt, O'Keefe & Co., still keeps up its ancient reputation as one of the most valuable mines in California. We have no means of knowing the amount weekly taken out of the mine. It must be large, however, judging from the heavy investments which the Messrs. Watt are making in real estate in this city. They afford constant employment to about three hundred men, and are crushing regularly. The huge piles of debris which have accumulated about the works of this mine fully attest to the immense amount of work which has been done in it. The capacity of their mill is entirely disproportionate to the amount of rock which they are now raising. The company has fully 3,000 tons of rock ahead, every ton of which is rich enough to leave a large margin for profits.

SCADDEN & Co., who are working the extension of this lead at a point where it crosses the ravine just east of Watt's mine, are also doing as well as ever, and are taking out large amounts of rich and valuable rock.

NEW YORK HILL, which, for a long time, has remained comparatively idle, is about to again become a scene of bustling activity. Several Grass Valley capitalists, among whom we may mention Messrs. Loutsenheizer & McLaughlin, are about to commence active operations in that locality.

THE ALLISON RANCH MINE is still being worked with the same extraordinary success which has for several years attended the operations of the fortunate proprietors of this famous gold mine.

FOREST SPRING COMPANY. The lodes belonging to this company are among the oldest worked mines in Grass Valley. The company now consists of Mr. C. T. Wheeler of Sacramento and Mr. F. E. Corcoran of this city. They have a 10-stamp water mill, but have been unable to operate it more than eight or nine hours out of the twenty-four for some time past, in consequence of the unusual low stage of water, in Wolf Creek, upon which it is located. There are three lodes belonging to this company, one of which, the Norumhagun (hill of tall pines) is now opened and being thoroughly worked to a depth of 540 feet on the incline. Ore is now being taken out from four galleries. This mine has been worked for eight years, and is paying better in the lower gallery than at any point above. Fifty-four men are employed in the mine and mill, and about 200 tons of ore are raised every month. The last average yield was $51.80 to the ton. This mine is freed from water and the ore is raised by means of a double engine.

The famous Lone Jack is also owned by this company. Work upon this vein has been suspended for some time, in consequence of a law suit, which has been decided in favor of this company, who have now resumed operations again. They are pumping out the mine, and will be ready to raise rock in about sixty days. They have an incline 530 feet deep, at the bottom of which is their lower gallery. This has always been known as a very rich mine, and is found, like all other mines in this district, richest at the lowest depth opened. This is supposed to be on the same vein as the Allison Ranch. The expenses of this company are from five to six thousand dollars per month, and the gross receipts reach from eleven to thirteen thousand.

THE FRENCH OR LAFAYETTE LEAD, which a few years ago was sold for a small sum, has recently redeemed its early fame and is now once more classed among the richest of the Grass Valley mines. The mine is now in the hands of several experienced Cornish miners, who have recently gone down much deeper than the old workings, and by their enterprise have thus secured fortunes for all.

THE EMPIRE COMPANY, one of the oldest incorporated companies in Grass Valley, has recently passed into the hands of San Francisco capitalists, and is now under the controlling direction of Capt. Lee, of this city. Work had been suspended for a time at the mine, although the mill has been kept running on custom work. Capt. Lee has recently commenced pumping out the mine, and will be ready to take out rock next month. We understand that he intends to go down still deeper, in the confident anticipation that this, like all the other mines in that section, will improve in depth, in a ratio much faster than the increase of expenses for deep working.

We have already alluded to the enterprise of Mr. Woodworth, at Osborn Hill, and shall take the earliest opportunity to advise our readers of the success of the new method of working which he is about to introduce. It is worthy of remark, in this connection, that no mine in Grass Valley, has ever been prospected to any considerable depth below the water line without meeting with most satisfactory success.

REESE RIVER BULLION.—The amount of crude bullion received during the month of October by Theall & Co., of Austin, was 57,000 ounces. This firm is but one of three or four, in that place, which are constantly receiving bullion for melting and shipment.

RE-BUILDING.—The Woodpecker Mill, lately destroyed by fire, situated a short distance from Dayton, Nevada, is being rebuilt. The frame of the new building is up, and already roofed and enclosed.

STILL PETERING.—During the past three days, says the Virginia *Union* of the 5th inst., Wells, Fargo & Co. have shipped in bullion, from this city, $118,255.21. It's a pity about Washoe!

PETROLEUM AND ITS USE.

No better idea of the immense importance and the growing value of the petroleum product of our country can be given than the simple fact, which is stated as such in the *Scientific American*, that the amount of this product in the State of Pennsylvania, during the past twelve months, has exceeded the total product of the iron and coal mines of that State by five millions of dollars. The yield of petroleum is set down at $56,000,000, while that of iron and coal has been only $51,000,000. The value of the several products has been taken at the mine.

Late discoveries have shown that petroleum is more generally distributed throughout the world than coal. There are large ocean tracts where coal cannot be procured for steam navigation, but where it is reasonable to believe that oil abounds in quantity sufficient to supply all the demands of navigation. There is much reason to believe that, considering the inferior quality of the coal found on this coast, and the unmistakable indications of an almost inexhaustible supply of petroleum, the latter material must, at an early day, come into use as fuel for making steam. The oil-producing region available for ocean steam navigation in California, extends along the entire length of our sea coast, from the extreme northern to the very southern boundary of our State. In many places the oil-producing strata come down to the shore line, and even dip under the sea at one or two points. Capital and enterprise will soon be brought to bear in developing this new source of our mineral wealth. We have now nothing to say of the immense deposits which will ultimately be found in the interior.

It is too late, in the presence of existing facts and developments, to tell us that "the introduction of petroleum as fuel is one of the wildest dreams that was ever conceived." That idea was urged, with perhaps some show of reason, a few years since, when it was believed that the supply of this product was limited, and that all that could be obtained would be needed for illuminating purposes, and would find a ready market at high prices. But now, when its product is already promising to exceed that of coal, and when its existence is believed to be so universal and so abundant that its *price* must soon become no barrier to its proposed new application, we can no longer regard its ultimate use for navigation purposes as at all problematical. Capitalists and inventors are now beginning to turn their attention seriously to this matter. They are taking enlarged views of the premises, and people, who rejoice in every new evidence of commercial progress, may rest assured that, however large and impossible such views may now seem, the problem of the proposed radical change in ocean steam navigation will soon be solved. The genius and enterprise of the American people, who years ago revolutionized the peaceful operations of commercial intercourse, and more recently have wrought an equally important revolution in the war marine of nations, will not be found hesitating upon the threshold of so important and desirable a change as is now contemplated in the same field of enterprise.

In the experiments thus far reported, it would appear that there has been a waste of nearly or quite one-half the oil from imperfect arrangements for combustion. All that now remains to be done is to devise some plan for its use by which its combustion shall be made as perfect as that of coal in the present most improved form of grates. There certainly cannot be anything like the obstacles in the way of such an accomplishment as were encountered in the substitution of coal for wood, and we hesitate not to express the opinion that not half the time will elapse in effecting this change as was occupied in the former one.

It is to petroleum that we are to look for the full and complete development of the application of steam upon the ocean. We can reasonably anticipate no further change in that direction, unless the genius of man shall introduce an entirely new motive power, which shall completely supercede this great agent of modern progress. It certainly appears that petroleum is the fittest and most appropriate fuel for steam on the great and open sea. With a fuel so compact and requiring so little handling, ships could make the longest passages direct, without stopping for calms, or turning aside to renew their supply of fuel. No army of stokers would be required, no waste of fuel would be made in the heavy volumes of smoke constantly rolling out from the stack. The huge coal bunkers, which now occupy so large a portion of ship room could be mainly applied to the storage of merchandize. An immensity of time and labor would be saved, either more expensive than the most costly fuel; and, finally, no part of the world would be more greatly benefited by such a change than California, and no ocean highways so much improved as those traversing the immensity of the Pacific.

APPLICATIONS OF MAGNESIUM.—This metal was obtained from its earth, by means of the voltaic battery, by Sir Humphrey Davy, in the year 1807. It remained little else than a chemical curiosity, until 1862–3, when Mr. Edward Sonstadt patented a series of processes whereby it may now be produced in any quantity. Magnesium is a metal white as silver, and very light, its specific gravity being 1.74, or about one-fifth the weight of copper. In the form of wire it may be purchased at about six cents per foot, of all the principal metallurgists, opticians, and photographists' material dealers in the eastern cities. If the end of a piece of the wire be held in the flame of a candle, it at once takes fire and burns gently, with a dazzling white light, by which a photograph may be taken with a perfection equal to sunshine. A lamp has been constructed with a view of employing the wire for illuminating purposes. The metal is also exceedingly valuable for chemical processes in the laboratory.

FOUL AIR EXPLOSION.—A singular accident occured at the corner of Montgomery and Pacific streets, in this city, at the time of the political celebration on Saturday evening last. Some boys had started a bonfire of tar-barrels immediately over the fire cistern located there, and while in the act of piling on the fuel, an explosion occured under their feet, throwing, it is supposed all the little patriots on to firm ground, while the whole covering of the cistern suddenly disappeared leaving in its place a great hole, some twenty feet in diameter. It was a most providential circumstance that none of the youngsters were killed. The accident was doubtless caused by an explosion of carboretted hydrogen gas—the "fire-damp" of miners—which had formed in the cistern. The fire upon the surface produced an upward current which brought the gas in contact with the fire and hence the explosion.

A NEW LOCOMOTIVE.—The Nevada *Gazette* says that Mr. L. Shankland, of Montezuma Hill, in Nevada county, has just completed a working model of a new locomotive which he claims will drive a train of cars up an incline of 1000 feet to the mile. Mr. Shankland has been at work upon the machine for several years and has just brought it to perfection.

AGRICULTURE feeds us; to a great degree it clothes as; without it we could not have manufactures, and we should not have commerce. They all stand together like pillars in a cluster, the largest in the centre, and that largest is agriculture.

NEW WATER MILL.—Cole & Co, have just started their new water mill on the Carson river. It started with five stamps, but is designed for ten.

TOBACCO IN OREGON.—Those in Oregon who have attempted to raise tobacco the past season have been very successful. With proper care in curing, it will become the most valuable crop grown in the State, but it will require another year to cure it.

A young bride of eighteen, in Marseilles, was burned to death on the morning of her marriage by treading on a match, which ignited and set her clothes on fire.

S. F. Mechanics' Fair Reports.

COMMITTEE REPORTS

OF THE SAN FRANCISCO MECHANICS' INSTITUTE INDUSTRIAL EXHIBITION OF 1864.

[By authority of the Executive Committee for the management of the Fourth Industrial Exhibition of the Mechanics' Institute, we shall continue, under this heading, until completed, the publication of the Reports and Awards of the Examining Committees in the various departments of the Exhibition, as received by the Managers to accord with the rules governing the distribution of awards. Where the reports have not been made in form prepared for publication abstracts or digests only will be given. The Managers desire it stated that, while articles originating and manufactured abroad contributed in a degree to the variety and interest of the exhibition, which in return afforded their merits opportunities of becoming widely known, to the advantage of those showing them, the enterprise was intended to be an exposition of the material and industrial resources of this State, and the adjacent Territories, to which the honorary awards must be limited. Believing, too, that the distribution of premiums of several grades among competitors has a greater tendency to produce jealousy and dissatisfaction than to encourage enterprise and efforts for excellence, the Executive Board has determined to allow no second, third, or other inferior grade of Premiums.]

Class XIV.

Lumber, Scrolling, Turning, Etc.

COMMITTEE:

WM. PATTON, C. W. DAVIS, C. L. TAYLOR,
W. H. EASTMAN, J. WARREN.

Report:

NATHANIEL PAGE & Co., of the Union Lumber Yard, exhibit specimens of Sugar Pine from the mills of the Union Lumber Co., of Marysville. Said lumber varies from one inch to three inches in thickness, is four feet wide and from twelve to sixteen feet long. This description of lumber is extensively used in building, for finish and for the manufacture of doors, sashes, etc., and bids fair to exclude the importation of Eastern pine from this market altogether. The only general purposes which this does not entirely supersede, and for which Eastern pine is now used on this coast, is for patterns for foundry work, but which, even in this department, is being superseded by proper selections and seasoning of sugar pine for the purposes required. Two specimens of sugar pine on exhibition are of the very finest quality, their extraordinary size, closeness of grain and capability of smoothness of finish and durability, freeness from pitch, excellency of manufacture and superior whiteness, class them as equal to any white pine imported and superior to the bulk which comes to this market from the East. The display of matched sugar pine shows a superiority of workmanship and excellency of material. There is about ten million feet of clear sugar pine used in this State annually for the purposes above named, and about one million Eastern pine imported per annum. Five years ago these figures were reversed.

The Mendocino Red Wood exhibited by Messrs. Page & Co., is of the best quality of that material. It is much used in buildings for outside finish and makes a good common finish for joiners' work. It is very durable when properly selected. This lumber is used by carpenters for reasons last mentioned where no great strength is required. The locality whence these specimens are derived is considered to be the best yet discovered in this State. Forty millions superficial feet, lumber measure, are used in the city of San Francisco per annum for building and other purposes. We think the exhibitors are entitled to the highest premium for Lumber.

M. C. DUPUY exhibits a model of a Street House, showing a bressummer or lintel to support the wall over a retail store front. This bressummer is framed of wrought iron, of a form similar to the top and bottom chords and arc of a similar truss bridge, so often used. The principle being correct, there is no reason why this bressummer should not supersede cast iron in many cases for similar purposes. By mathematical calculations its strength would be estimated; but the only sound results should be had by experiments, so as to test its absolute capacity of resistance to transverse pressure. We consider the bressummer of Mr. Dupuy meritorious.

M. E. FITZGIBBONS exhibits pairs of Wharf Piles covered with a silicious solution, applicable as an external coating to prevent the attacks of the "toredo navalis," so destructive in its effects upon all timber constructions within the reach of the ocean within the warm, temperate and torrid zones. The specimens exhibited had been, according to representation, submerged six months, and showed no points of attack of the worm. Another specimen of the same timber, unprepared as above, showed damage by the "toredo." Solutions of silicia have been long used in England, in humid situations, where the effects of sulphurous smoke and other destructive atmospheric influences have caused damage to stone work, as an external application to prevent decay; but this is the first instance of which we have heard of the same having been applied to the protection of piling as above. The effect accomplished may be the hardening of the external surface next to the water, thus preventing the penetration of the worm; and if it will do so six months it may do so six years, with every probability of it being as durable at the end of that time as it was before, provided no external abrasion occurs to destroy the artificial hardened surface. We think the matter worthy of being tested in a more thorough manner as likely to be valuable in its results, it favorable, in the growing city of San Francisco on her temporary wharf improvements.

MR. FITZGIBBONS also exhibits specimens of Asphaltum Sidewalk, of good quality. Asphaltum sidewalks are popular when properly constructed. It does not appear, however, that they can be considered practically effective as thoroughly useful unless they can be made so that the material will not be made to run or become half liquid under ordinary degrees of summer heat of a temperate climate free from refracted heat, where the thermometer may stand 90° or 100° Fahrenheit. Asphaltum is formed of petroleum flowing through rocks, having a dessicating effect upon that material which produces it, and when petroleum is found convenient for commercial purposes, not filtrated as above named, it must be assisted by artificial means, such as boiling, so as to expel, carbonize and oxidize its inherent oil, etc., and the addition of absorbents not assailable or alterable by heat to form asphaltum sidewalks. The process of manufacture nearest attaining these results, whatever the natural state of the mineral, is the most successful. We think Mr. Fitzgibbons has succeeded in producing, by artificial means, in a very great degree of perfection, the results above named in the example before us, and is certainly entitled to an award of merit for his preparation to preserve timber work above named, and also the first Premium for asphalted sidewalk, notwithstanding there were no other competitors.

JOHN NESTER exhibits Brown's Patent Metallic Weather Strips, for doors and windows. We think they will do very well for the purpose intended. Being the subject of a patent, any award of merit on our part would be supererogatory.

PHIL. OTTO exhibits several specimens of Wood Patterns for casting or engraving, very good in workmanship and artistic deserving of honorable mention.

W. ALLEN—Scroll Sawing, of superior workmanship. Worthy of a Premium.

B. H. FREEMAN—Rosewood Vase, of superior workmanship. Worthy of a Premium.

PINKERTON & SHERMAN—Specimen of Machine Cut Picket Fence. There is, in reality, more merit in this product than at first sight would be considered. Its comparative economy of cost with that of turning does not appear, but the producing of forms of polygonal cross section instead of circular, as when turned, opens out a new means of decorative joinery, likely to be cheaply applicable when, as in this case, produced by machinery. We think Messrs. Pinkerton & Sherman are entitled to a diploma of first premium for the above, provided the machinery is of their own invention.

H. S. HUNTINGTON has a sample of very superior Sawed Shingles, which merit honorable mention.

Class XV.

Coopering, Wooden Ware.

COMMITTEE:

A. MUANOCH, WM. GUNN, G. ENGLEHARD.

Report:

The committee appointed to examine the samples of Cooper Work exhibited in competition, find that the large Wine Cask made by J. C. RUPENTHAL entitles him to an award for the best work. Premium.

ARMES, DALLAM & SKINNER exhibit a large variety of Wooden Ware, Tubs and Pails from their manufactory in this city. The manufacture of this indispensable class of wares has become one of our important established industries, and the samples here shown are, in all respects equal to any imported, and should be awarded a Special Premium.

L. VAN LAAK exhibits Brooms of superior quality, entitling them to highly honorable mention.

Class XVI.

Wool and Its Manufactures.

[Reports of this class are continued from last week's issue.]

SUB-DIVISION—Wool Packages.

COMMITTEE:

C. P. LOLOR, A. B. FORBES.

Report:

The undersigned, your committee, have examined specimens of Wool packed for shipment, on exhibition at the Industrial Fair, and beg leave to report:—

Two lots of Packed Wool were exhibited, one lot shown by Messrs. MCLELLAN & GRISSAR, the other by Messrs. CLARK & PERKINS. The bales shown by the first-named firm were loosely packed; iron hoops light, wooden battens narrow, while those by the last-named firm are packed in a very substantial, compact and tightly shape, the iron hoops stout and of good width, the wooden battens broad and well placed, affording great protection to the package in handling.

Wool, forming as it does one of the principal articles of export of our State, it is of great importance that it should be packed for transportation to a distant market in the most compact and substantial manner possible, the advantages gained being a saving in bulk, less susceptibility to damage and a decreased rate of freight. The importance of these points will be readily appreciated by those interested. As the bales exhibited by Messrs. Clark & Perkins possess those advantages, and are altogether in the most desirable shape and condition, doing great credit to the exhibitors, your committee therefore give them the Premium and award.

Respectfully submitted.

COMMITTEE:

C. J. DEMPSTER, JOHN MCALLISTER.

Report:

The undersigned, notified of appointment upon a committee for the examination of Wool and Wool Packages, visited the Exhibition several times, in expectation of meeting other members of the committee, but failing to do so, we do not feel authorized to offer more than an individual report. We found a fine assortment of domestic and foreign Wool. Fleeces and Samples, exhibited by Messrs. CLARK & PERKINS, and the same firm exhibit also samples of classified Wools, baled for shipment. The bales were compact, heavily hooped and battened, leaving nothing in this respect for the carrier to desire; indeed it may be questioned if any party but the carrier finds advantage in this extra heavy style of protecting the bale, as the extra weight adds to the cost of freight, while lighter bands and battens might sufficiently serve the purpose.

Messrs. MCLENNAN & GRISAR exhibited sample bales of Scoured and Graded Wool, well cleaned and assorted. (We cannot, with any confidence, express our opinion as to the success of this recent undertaking of this firm. It can only be determined by experiment and experience whether the scoured wool will carry on sea voyages with as little liability to injury as the wool protected by the natural oil, which is removed with the dirt in scouring.) The bales, though not so tightly packed as when the wool yet retains the grease and dirt, were well pressed and sufficiently secured for all the ordinary hazards of transportation. This firm was the earliest to engage here in the business of classifying and packing wool for shipment, and however the experiment of scouring and grading may result, the enterprise and energy shown deserve approbation.

Class XVII.

[Reports of this class were published in our issue of October 21.]

Minerals and Mineral Products.

COMMITTEE:

H. P. WAKELEE, JOHN N. BISNON, W. T. GARRATT.

Special Report on Process of Reducing Copper Ores.

The undersigned, comprising a committee of three, appointed to examine into and report upon the merits of a new process for the reduction of copper and silver with the "Fusible Hydrous Silicate of Alumina," invented and patented by JAMES T. MCDOUGALL, of the city and county of San Francisco, most respectfully report as follows.—

That your committee, being first satisfied of the patents by inspection of the letters patent and the accompany specifications duly attested, proceeded to examine into the process and its results, by bearing from the Patentee a very lucid explanation of the mode and manner of its working and by actual inspection of samples of reduced metals of a very superior quality, weighing from one-half an ounce to forty pounds, and the examination of various samples in the different stages of reduction. That your committee are perfectly satisfied with the simplicity, economy and perfectness of the process, and in view of its importance and value as an agent and auxiliary, not only to our commerce but to the rapid developments of the mineral resources of this coast, unanimously recommend that the highest premium be awarded to James T. McDougall for the said process.

Your committee have also examined Mrs. ELIZA P. HALL's Patent Volcanic Smelting Furnace for the smelting of ores (a detailed description of which accompanies this report), and it appears to be well adapted to effect an economical and thorough reduction of ores, and is worthy of the inspection of those interested in such processes.

DESCRIPTION.—The design of the Volcanic Smelting Furnace is so to combine ample arrangements for a powerful draft with a condensing apparatus for saving volatile portions of various metals, and a form of furnace most suitable for retaining an intense heat, that a greater economy of fuel and time may be realized, than has heretofore been the case. To this purpose, I adopt the elliptical or egg-shaped form of furnace, and of the blow-pipe on a grand scale. The introduction of the draft is at several different and opposite points, so as to concentrate the same, at once toward the middle of the fire and thus relieve the sides of the furnace of a great proportion of the heat, and intensify the same where it is most wanted; namely, in the mass of ore to be smelted. The melted mass is thus hurried towards the center and sent down, much like an eddy in water. The fire is continued into the interior of the condenser until it reaches half the height of the same, where it is surmounted by a Conical Cap, supported by columns at a sufficient height to allow the fumes to escape into the body of the condenser. The sieve is for the purpose of discharging a continuous shower of cold water into the condenser, by which the volatile metals in the fumes are precipitated to the bottom of the same, and thus saved for reduction.

The opening in the center of the sieve allows the draft to continue from the flue to the outer air. All the fumes are subjected to condensation without any loss of heat in the furnace; indeed, the heat is rather increased by being confined and thrown back by the cold water coming in upon the flue.

The boiler placed on top of the furnace is for the purpose of furnishing steam as an oxidizing agent, both above and below the fire. The jet of steam which is introduced at the bottom becomes super-heated by passing around the inside of the top of the furnace.

The Tuyres or draft-holes may be increased or diminished at pleasure. The draft may be supplied by one or more fan-blowers, worked by any power that is available. Not less than nine Tuyres should be used in a furnace of the capacity of five tons at a charge.

The principal fluxes made use of in this furnace, are limestone, carbonate of soda, salt, carbonate of potash and glass.

The fuel used is exclusively charcoal, of which two bushels are required to one bushel of ore. The ore is to be thoroughly mixed with the charcoal. That fuel is best which contains the most carbon, and thus charcoal, having a great affinity for sulphur, absorbs it from the smelting ore and leaves the metal free.

The fenches or supports forming contractions at the sides near the bottom of the furnace, are the points of greatest heat. It is best to set the draft tubes at an angle of from thirty to thirty-five degrees; first, that the ends of the tubes may not be stopped by the melting mass, and, second, to direct the greatest heat towards the bottom of the furnace in order to prevent the metal from chilling on its way out.

I have received letters patent for 1st. A Combination of parts for the reduction and saving of ores. 2nd. The condenser with the sieve at its top, through which a continuous shower of cold water is kept pouring for the purpose of condensing and precipitating the volatile portions of the metals escaping with the draft. 3rd. The fire cut-off, within the Condenser, and surmounted with the Conical Cap, to secure the condensation and precipitation of the volatile portions of the metals escaping with the draft.

ELIZA J. HALL.

Class XX.

Leather and Its Manufactures.

SUB-DIVISION III—Saddlery, Etc.

COMMITTEE:

W. H. BAXTER, HENRY JUDGE, J. M. JOHNSON.

Report:

MAIN & WINCHESTER exhibit, of their own manufacture, a very great variety of superb Harness, Saddles, Bridles and Martingales, Kersey Horse Dresses, Military Horse Equipments, Whips, Stocks, Lashes, etc., which for elegance of finish and richness of style defy competition with the world. Especial attention is called by your committee to the interest manifested by these gentlemen in contributing to the Exhibition, their productions showing conclusively that we are not behind (but under the circumstances ahead of) our older sister States in this line. Their harness consists of Double Buggy and Carriage, heavy and light; Single Buggy, do. do. Saddles.—Ladies' Quilted Hog and Buckskin best English Style Riding Saddles; Ladies' California Style Riding Saddles; Gents' best English Shafted Riding Saddle; Gents' Best English Rocky Riding Saddle; Gents' Best Texas Ranger and California Saddle. Bridles and Martingales.—Single and Double Rim, Brodoon, Snaffle, Pelham, Post and Race Bridles, with standing martingales to correspond. Kersey Horse Blankets and Dresses.—These goods are of their own manufacture and are most beautiful. The embroidery and style of finish must certainly gratify the most fastidious, the Kersey being made at the Mission Woolen Mills, which heretofore has been imported from England. In the Whip Department, they also exhibit, of their own manufacture, a large stock of Buggy, Carriage and Riding Whips, of assorted patterns and styles, as samples of their products in this line, which are worthy of an extended description. The buggy and carriage whips are of bare whalebone knotted (wrought handles), whalebone covered with cat-gut, with the maker's name elegantly worked in the handle. Some are mounted with silver and gold, from our own California and Washoe mines, and made especially for these goods on exhibition, the handles being of rosewood, malacca, ebony, ivory (plain and roped), mounted with pure silver and gold, elegantly wrought and chased and of various designs, representing dog and horse heads, fawns' feet, gold snakes, etc. The English hunting style of whips are of malacca and whalebone assorted, covered with cat-gut, mounted with massive silver dog and horse heads, hunting boat, etc. The riding whips present even a greater variety than the others, and are wrought in the same rich and varied style of those above described, all being made of whalebone in its natural state, which is far superior to that imported, which are boiled to obtain the oil the bone contains, thus rendering it brittle and much more liable to break. This being the pioneer manufactory in this line of industry, your committee recommend that a special Premium be awarded for these particular goods, and for Saddles and Harness, First Premium.

JOHN WILSON & SON exhibit a magnificent Fire Cap, of their own manufacture, with a pure silver front, with gold letters and figures richly chased and engraved, indicating the number of the company it is intended for. There is on exhibition also an imported cap, a very fine one, but this is superior. Premium.

KRETZ & CASBIE display, of their own manufacture, a fine variety of Concord style of Collars, superior to anything ever made in California, consisting of Stage, Express, Coach, Buggy and Team Collars. Premium.

ALEX. LOGAN exhibits a very fine Patent Leather Collar, of his own make, of a particular style, known as the "Kay" Collar. Premium.

TIBURCIO CARLOS exhibits an elegantly embroidered with silver and gold Mexican Saddle and Trappings, spurs and bits inlaid and chased with silver and gold, hair reins, cinchez, etc., of his own manufacture, exceeding in richness anything exhibited. Premium.

SENOR A. CAMPOS also exhibits a very good Mexican Saddle.

PEET & SON and others exhibit Mexican Saddles.

SUB-DIVISION I—Boots and Shoes.

COMMITTEE:

A. SCHUMACHER, WM. LUNSDEN, FRANCIS WORTH,
J. L. WILLCUTT, J. G. HEIN.

Report:

All the goods in this department of the Exhibition were of fine quality and workmanlike finish, and the committee, after careful inspection, report the following awards:—

GEORGE BURKHARDT, for the best Light Boots (Men's), Premium.

OBERMEYER & RAPPOLD, Men's Heavy Boots. Honorable mention.

THOMAS DOLLIVER, Ladies' Gaiters and Childrens' Shoes. Premium.

PETER DORN, Men's Riding Boot-Legs. Premium.

GEO. K. PORTER is entitled to a special Premium for six sample cases of common quality Boots and Shoes, which will compare favorably with imported goods of the class, and afford promise of success in this new branch of our home manufactures.

SUB-DIVISION II—Fire Hose, Leather Belting.

COMMITTEE:

E. A. WILSON, F. E. R. WHITNEY.

Report:

The committee report that there were two exhibitors of Fire Hose—M. N. COOK and H. MILLER. Each had samples of two classes of Hose—double and single riveted. They were tested by coupling two lengths of the same class, one of each maker's, with a blind butt on the end, and attaching the hose to Stoddart's steam pump. Mr. Miller's double riveted hose burst with a pressure of 170 pounds. The single-riveted hose was then tested in the same manner, Mr. Cook's bursting with a pressure of 165 pounds. This test was so decidedly fair that the committee have no hesitation in recommending a Premium to Mr. COOK, for A 1 Double-Riveted Hose, and to Mr. MILLER a Premium for A 1 Single Riveted Hose, and regret that there was no Eastern-made hose in competition, as the test was unusually severe, and we have no hesitation in saying (if within our province) that the necessity does not exist for our own corporation, or others in the State, to import in this line to the injury of our own mechanics.

HENRY MILLER is the only exhibitor of Belting, and the samples shown are fully equal, if not superior, to any of Eastern manufacture. The large double belting used for driving the machinery at the Exhibition was furnished by Mr. Miller, and though no competition was made in this line, we regard Mr. Miller entitled to a Premium for excellence in this important branch of manufacture.

WM. VEEZ exhibits several sections of Section Hose and Leather Blunderbuss, which are entitled to most honorable mention.

SUB-DIVISION IV—Trunks, Valises, Traveling Bags.

COMMITTEE:

JOHN FITZPATRICK, E. A. HUDER, E. DOWLING.

Report:

The display in this department does great credit to the enterprise and proficiency of the two exhibitors, who represent this branch of our manufactures in the Exhibition. The variety, quality and style of work shown, would not be surpassed in any city. After a careful examination of the different articles, we have arrived at the following decisions:—

JAMES LONGMORE, S. F., has a beautiful Sole Leather Trunk and Valise, both of which are made in the very best manner and elaborately ornamented (the locks, riveted buckles, clamps and loops silver plated). He should receive the first Premium.

MESSRS. STEELE & Co., S. F., have a very fine Sole Leather Trunk and Valise, exceedingly well made and nearly equal to the first named. This firm also exhibit a splendid Ladies' Saratoga Trunk, complete in all its provisions. This Trunk and the superior Traveling Bags they exhibit entitle them to a Premium.

HOME FINANCES.

We have little to note in financial circles worthy of especial comment. The excitement of the past few days pending the election has had the effect to restrict operations, and no little dullness has prevailed. Some little activity among borrowers is observed to-day in adjusting the usual settlements on steamer-day, but apart from these requirements, there has been, throughout the week, a trifling demand for money. Bankers rates still rule at 1½ per cent. per month, but in the absence of legitimate inquiry and in view of the plethora of capital now seeking investment it is not likely that this figure can be long maintained. Capitalists seem disposed to loan with more freedom upon good mining stock collaterals, and at a fair margin from current market value, money can be readily obtained upon this description of security at about 1½ per cent. per month. Loans predicated upon first class city real estate have been negociated at 1½ per cent, and even lower rates are reported.

Some funds have been sent hither recently from the East for loan purposes and also for investment, and a large accession of means from abroad is looked for, the ensuing fall.

Receipts of treasure from the interior, since Saturday last, amount to $1,100,000; about three-fourths of this sum came from the northern mines and from Nevada. Bullion is in full supply for the steamer, and gold bars are selling at 840@845, silver rauges at ½ per cent. to 2 per cent. premium. Currency Bills on the Atlantic are selling at 120@125 per cent. premium on gold. Telegraphic transfers at 5@5½ per cent. premium, and drafts payable in coin at 3@3½ per cent. premium. Bankers Sterling may be quoted at 483½@483¾.

Legal Tender Notes are in good demand at 46@46½ cents. Some $70,000 were sold at the Board of Brokers this week at from 42½ to 45 cents.

LAUNCH OF THE CAMANCHE.—Everything is in readiness for the launch of this iron-clad on Monday next. Preparations for the accomodation of thousands of spectators expected to be present have been made. To-morrow morning—Sunday—the Rev. B. J. Lowe will preach a sermon from the deck of the steamer.

THE amount of tobacco planted in Connecticut this season is larger than ever before, and the yield is unprecedented. Hundreds of farmers have this year for the first time planted tobacco, and where the plants were set out before the rains which followed the long spell of dry weather, the crop is very heavy. The whole Connecticut river valley teems with richly laden fields of tobacco.

In one of a lot of old army canteens purchased by a hardware speculator in Memphis, a roll of $2,000 in greenbacks was found.

EASTERN FINANCES.

We are in the receipt of commercial and financial advices from the East, to the 13th of October. The same monotony, to which we alluded in our last, still prevailed at that date in trade and commerce, and there were no indications of an immediate improvement. The signs of the times pointed to continued inactivity, at least until the excitement incident to the Presidential canvass shall have passed off. The movements and counter-movements of political parties seemed to be absorbing quite as much attention as military operations in the field. Gold had been fluctuating between 195 @205 the second week of October, and most holders of merchandise, especially of foreign products, were inclined to meet the views of buyers. Large stocks of Western produce had been sold at auction in New York for the most they would bring, in consequence of the panic at Chicago, which had acted as a salutary warning to both bankers and dealers in breadstuff. Western banks had been drawing heavily upon the East in order to strengthen themselves against future contingencies.

Rates for commercial paper were ranging at from 12 to 15 per cent. per annum for first class names, and much higher for ordinary. A number of failures had occurred at New York, and most firms with foreign connections were looked upon with distrust. Affairs abroad, especially in England, were supposed to be in a critical condition, and at the date of our latest advices—October 3d—a severe panic was looked for. A large number of bankers, merchants and others, had been compelled to succumb to the crisis, and more failures were anticipated. Throughout France and other portions of Europe there were symptoms of pressure in commercial circles, and rates of discount for money were advancing.

CARMEN ISLAND ORE.—Messrs. Downer & Swain, of this city, have placed upon our table several fine specimens of grey copper and silver ore from a mine on Carmen Island, accompanied by a certificate from J. T. McDongal to the effect that he has smelted two lots of ore (from the same mine) by his patent process, one of which, consisting of one pound of ore, yielded a brick, which—assayed by Riehn, Hemme & Co.,—yielded at the rate of 32 per cent of copper, to the ton of 2000 pounds of ore, and silver to the amount of $420. The other lot consisted of ten pounds of ore and yielded at the rate of 45 per cent in copper and $100 in silver to the ton of 2000 lbs. The mine from which these specimens were taken is well defined, and about four feet thick. The company has about 50 tons of ore on the surface, which will soon be forwarded to this city. Several tons are expected up on the next steamer. The mine is located within three quarters of a mile of ship landing, which adds greatly to its value. Ships for the Eastern States or Europe may anchor or load at this landing.

This island is about 20 miles long by about three in width, located in the lower portion of the Gulf of California, nearly opposite the port of La Paz, and distant only about seven miles from the main land. Recent explorations have fully settled the question, as to the permanency of the mines, and no doubt can now be raised as to its value and importance as a mining district. Quite a number of promising mines have already been opened. Several of which are about as well developed as those upon the adjoining main-land, and are undoubtedly a continuation of them. There are already about a dozen mines being worked to a greater or less extent on the Island, some of which are developed to a depth of nearly one hundred feet.

FLOY FAVORITE'S correspondence from the new State of Nevada, in to-day's issue, will be found of lively interest. We desire to receive regular communications from her gifted and experienced pen.

OUR exchanges have been so taken up with the political excitement of the past week that they have failed to furnish us with the usual mining items for to-day's issue.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment, Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE
Arizona Cons., 20c	Nov 19—Dec 3*
Amador Cons., Lander co., $4	Nov 21—Dec 6
Antelope, Esmeralda, $25	Dec 6—Dec 26
Arroyo de los Gatos, 10c	Dec 10—Jan 10
Ariatic, Flowery, $1	Dec 10—Dec 26
Arbitrios, Chihuahua, $2	Dec 10—Dec 24
Alameda Coal, $1	Nov 2—Nov 19
Bay State, Turnback, 25c	Dec 10—Dec 27*
Blue Ledge, Kelsey, $1.25	Nov 5—Nov 21*
Butte, Humboldt, $1	Nov 7— Nov 19
Bajazett & Golden Era Cons., $5	Sale Nov 19 Virginia
Big Canon, Tuolumne co., $3	Nov 9—Nov 22
Baja California, San Antonio 25c	Nov 9—Nov 21
Baltic, Virginia, $10	Levied Oct 12
Buckeye, D. G., $3	Nov 21—Dec 3
Boston Copper, El Dorado co., 50c	Nov 29—Dec 13
Burlington, Napa, 50c	Dec 12—Dec 25
Big Blue Lead, Cove, $2	Dec 5—Dec 17
Crown Point Ravine	Annual Meeting Nov 21*
Charter Oak, Santa Catalina, 20c	Oct 29—Nov 12*
Caledonia T. & M	Annual Meeting Nov 14*
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Cortez, Lander co., $1	Nov 7—Nov 22
Cortez	Special Meeting Nov 11
Chicago & Detroit, Amador co., $1	Nov 19—Dec 3
Calaveras Iron Mountain Copper	Annual Meeting Nov 21
Colorado	Annual Meeting Nov 14
Comstock, San Antonio, 60c	Adv Nov 12
Capitola, Santa Clara, 25c	Nov 14—Nov 26
Capitola	Special Meeting Nov 14 San Jose
California, Virginia, $12.50	Dec 7—Dec 22
Copp, Humboldt, $3	Nov 10—Nov 25
Coral, Amador Dis., 50c	Dec 6—Dec 17
Consolacion, Sinaloa, $1	Dec 10—Dec 23
Columbia, Tuolumne, $2	Dec 10—Dec 28
Chandler, Lyon co., 50c	Nov 25—Dec 7
Diamond, Santa Catalina, 20c	Oct 29—Nov 12*
Del Norte Comstock, 45c	Dec 5—Dec 17
De Soto, Star, $2.50	Oct 22—Nov 9
Diamond, Copper, Del Norte co., 75c	Oct 31—Nov 15
Dacota, R. R., $1	Nov 18—Dec 5
Daney, Lyon co., $2	Dec 10—Dec 27
Evening Star, Humboldt	Annual Meeting Dec 3*
Emilia, Mexico., 25c	Dec 3—Dec 21
El Dorado, Silver Mountain, 50c	Oct 28—Nov 12*
El Tesoro, Lower Cal., $4	Nov 15—Nov 30
El Taste, Mexico, $2.50	Nov 3—Nov 15
Eureka Cons., Arizona, 50c	Nov 10—Nov 26
El Alamo de San Antonio, 50c	Nov 5—Nov 15
El Dorado, Virginia, $2	Dec 5—Dec 21
Eureka Coal, Alameda, 20c	Nov 17—Dec 2
Empire T. & M., Humboldt, $2	Nov 29—Dec 17
Empire T. & M	Annual Meeting Nov 16
Ethan Allen, R. R., $1	Dec 5—Dec 19
Franco Americana, San Antonia, $1	Nov 23—Dec 9
Fairview, R. R., 50c	Nov 5—Nov 25
George Washington No. 2	Annual Meeting Nov 17*
Good Hope, Alpine, 25c	Dec 3—Dec 17*
Gobernadora, Lower Cal., $1	Dec 5—Dec 17*
Green, Gold Hill, $1	Oct 26—Nov 12
Gov. Seymour, R. R., $5	Nov 12—Nov 24
Guadaloupe del Aguajito, Sonora, 50c	Oct 29—Nov 12
Green, San Bernardino, 75c	Nov 7—Nov 19
Guasaparis, Mexico, $25	Nov 4—Nov 15
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Great Central, Weaver, 25c	Nov 28—Dec 9
Gold Canon Cons., G. H	Annual Meeting Nov 16
Germanio Mina Prieta	Special Meeting Dec 9
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
Hale & Norcross, Virginia, $25	Dec 10—Dec 28
I X L, Alpine co., $3	Nov 25—Dec 9
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jewel, D. G., $1.50	Nov 10—Nov 22
Jewett, G. H., $1	Nov 26—Dec 13
Josephine	Annual Meeting Nov 21
Keokuk, Clayton 10c	Nov 5—Nov 19*
Kentucky Copper, Madame Felix, 50c	Nov 26—Dec 10
Kohler Brothers, San Antonio, $1	Nov 19—Dec 2
La Candelaria, San Dimas, $5	Dec 10—Dec 24*
La Libertad, Cacachillas, $1	Nov 19—Dec 3*
Loomis, Lander co., 25c	Oct 29—Nov 14*
Las Churcas, $50	Nov 17—Nov 28
La Fernandez, Hermosillo, Mexico, $7	Dec 5—Dec 20
Las Cruzeeitas, San Xavier, $6.25	Nov 14—Nov 26
London Quartz, Siskiyou	Nov 5—Nov 24
La Soledad, San Dimas $1	Oct 24—Nov 5
La Esperenza, Arizona, $5	Nov 5—Nov 21
Libertad, Ures, $5	Nov 1—Nov 15
La Figaro, 32c	Nov 4—Nov 14
Lady Bryan, Flowery, $5	Dec 6—Dec 20
La Blanca, Ures, $2.50	Dec 7—Dec 19
Mammoth, Silver Mountain, 50c	Oct 29—Nov 12*
Mammoth, Silver Mountain, 50c	Sale Nov 21*
Mina Rica de Las Flores, Calaveras so., $1	Oct 25—Nov 14
Monster Cons., 30c	Adv Nov 14
Mc Elroy, Lyon co., 50c	Nov 25—Dec 7
Melones and Stanislaus, Calaveras co., $2.50	Nov 28—Dec 12
Musidora, San Antonio, 50c	Nov 26—Dec 10
Maxwell Creek, Mariposa	Special Meeting Nov 15
Noble Grand, Inyo, 10c	Nov 12—Nov 30*
North Star, Santa Catalina, 20c	Oct 29—Nov 12*
Napa, Silver Mountain, 30c	Nov 19—Dec 5*
New Era, Cop., Tuolumne co., 25c	Nov 10—Nov 26*
Nuestra Senora de Guadaloupe, Mex. $5	Dec 7—Dec 23
New Year's Diggings, Tuolumne co	Nov 5—Nov 16
North Potosi, Virginia, $12.50	Nov 22—Dec 10
Nacosari, Sonora, $1.50	Oct 29—Dec 1
New Hope, Lander co., $2	Oct 27—Nov 19
North Star, R. R., $1	Dec 12—Dec 23
Nevada, J. G., $10	Levied Oct 26
Oxford Beta, Esmeralda, 50c	Dec 10—Dec 28*
Ontario, R. R., 25c	Nov 19—Dec 3*
Open Sesame, Clayton, 50c	Nov 15—Dec 5
Ophir of the Colorado	Annual Meeting Nov 21
Palma, Sonora, 25c	Oct 29—Nov 19*
Providence, Nevada co., $1	Oct 22—Nov 5*
Pena Silver, Lower California, $3	Aug 24—Jan 31*
Planet, Arizona, $1	Oct 22—Nov 10
Peninsula, San Antonio, $10	Nov 11—Nov 22
Pride of the West, Silver City, $3	Nov 7—Nov 21
Providential, R. R	Annual Meeting Nov 9
Rose Matilda, Santa Catalina, 20c	Oct 29—Nov 12*
Ruba, R. R., $1	Nov 12—Nov 30*
Rose, Mariposa, 50c	Oct 29—Nov 7*
Real del Monte, Esmeralda	Sale Nov 14
Rosario & Carmen, Sinaloa, $1	Oct 29—Nov 10
Richland, R. R., $3	Nov 17—Nov 29
Rancheria, San Antonio, 50c	Nov 25—Dec 6
Richland	Annual Meeting Dec 5
Refugio, Chihuahua, $2.50	Dec 5—Dec 17
Stars & Stripes, 10c	Nov 12—Nov 26*
Santa Cruz, Petroleum, 12½c	Dec 3—Dec 17*
Simpson & Bosselle, Carson Valley, 20c	Oct 27—Nov 14*
St. Paul, Lander co., 50c	Oct 15—Nov 7*
Steamboat, Star, $1	Nov 19—Dec 5*
Scott Mining & Exp., Humboldt co., 33⅓	Nov 8—Nov 2-*
Sisters & Augusta, Lander co., 15c	Adv Nov 8*
Salinas, Monterey, co., 20c	Oct 15—Oct 29*
Stanislaus Copper, 50c	Nov 16—Dec 2
San Lorenzo, Santa Cruz, 50c	Oct 22—Nov 5
Santa Cruz, Lower California, $2	Nov 4—Nov 15
Sonoma Ledge, H. H	Annual Meeting Nov 8
Santa Rosa de Ures, Mex., 50c	Nov 8—Nov 26
San Carlos Ex. & M., Inyo, $2	Nov 9—Nov 24
Sierra Valley, Plumas co., $1	Dec 10—Dec 24
Superior, copper, Plumas, 75c	Nov 19—Dec 6
Stephen A. Douglas, R. R., $1.50	Oec 8—Dec 23
Sides	Special Meeting Nov 21 Virginia
St. Louis, R. R	Annual Meeting Nov 9
Southern Light, R. R., $5	Sale Nov 25
Stephen A Douglas	Annual Meeting Dec 6
Tallulah, Sierra, $2.50	Dec 10—Dec 24*
Table Mountain Copper, Calaveras co., $1.25	Oec 3—Dec 22
Troy, R. R., $4	Nov 21—Dec 3
Tellurium, Amador co., $1	Nov 2—Nov 16
Triunfo	Special Meeting Nov 5
Tresoro & James River Cons., R. R., $4.50	Dec 3—Dec 19
United States, Virginia, $1	Oct 31—Nov 16*
Utah, $12.50	Dec 12—Dec 29
Union Copper No. 2	Annual Meeting Nov 19
Union Copper	Annual Meeting Nov 7 Crescent City.
Vealch, Lander co., $2	Nov 3—Nov 18
Ventana	Annual Meeting Nov 14
Wilson, Garden Bar, 50c	Dec 3—Dec 17*
Walker, Lander co., 25c	Oct 29—Nov 14*
White & Murphy, Virginia, $4.50	Nov 10—Nov 25
Well Partridge, Arizona, 25c	Oct 28—Nov 12
Waitt Cons., Arizona, 15c	Oct 27—Nov 15
Whitman, Lyon co., $7.50	Oct 29—Nov 15
Williams, Alpine co., 50c	Nov 4—Nov 12
Yankee Blade, R. R., $5	Nov 25—Dec 13
Yuba, 50c	Oct 29—Nov 18

*Those marked with an asterisk (*) are advertised in this journal.

LOOK OUT FOR "FALLING STARS."—Professor Silliman has communicated the following which we publish as a matter of general interest. Many will doubtless act upon the suggestion :—

VIRGINIA, Nov. 10.—Astronomers anticipate a recurrance this year of the November meteoric shower of 1833; the mornings from the 11th to the 15th are all likely to show an unusual number of meteors, specially the 12th and the 14th. The best time of observation is from half past one o'clock, A. M., onward. The radient point is in the Constellation Leo. Observers in California, Nevada, and the Pacific Coast, generally, are requested to report their observations to Professor Silliman Jr., San Francisco, for the *American Journal of Science*, where they will be published for the good of science. B. SILLIMAN, JR.

EFFECT OF MARRIAGE.—Doubtless you have remarked with satisfaction how the little oddities of men who marry rather late in life are pruned away speedily after marriage. You have found a man who used to be shabbily and carelessly dressed, with a glaring yellow silk pocket-handkerchief, and a huge shirt-collar frayed at the edges, broken of these things, and become a pattern of neatness. You have seen a man whose hair and whiskers were ridiculously cut, speedily become like other human beings. You have seen a clergyman who wore a long beard in a little while appear without one. You have seen a man who used to sing ridiculous sentimental songs leave them off. You have seen a man who took snuff copiously, and who generally had his breast covered with snuff, abandon the vile habit.

A wife is the grand wielder of the moral pruning knife. If Johnson's wife had lived, there would have been no hoarding up of bits of orange peel; no touching all the posts in walking along the streets, no eating and drinking with disgusting voracity. If Oliver Goldsmith had been married he would never have worn that memorable and ridiculous coat. Whenever you find a man whom you know little about, oddly dressed, or talking ridiculously, or exhibiting any eccentricity of manner, you may be tolerably sure that he is not a married man. For the little corners are rounded off, the little shoots are pruned away in married men. Wives generally have much more sense than husbands, especially when the husbands are clever men. The wife's advices are like the ballast that keeps the ship steady. They are like the wholesome, though painful, shears, snipping off little growths of self-conceit and folly.

ELECTION RETURNS.—San Francisco has been gaily decorated with national flags since the result of the Presidential election, on Tuesday, became known. California has given from 16,000 to 20,000 majority for Lincoln and Johnson. New Jersey and Delaware are the only States known to have gone for McClellan.

DETAINED.—The Pacific Mail steamship Golden Age will be detained until Monday next. The detention is at the request of many of the bankers, who have been delayed in their preparation for the shipment of treasure.

TO CORRESPONDENTS.—We have received a communication from "F. A. H.," which will appear next week. Several items of interest which have been furnished us by a friend from Como, are unavoidably postponed until next week.

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

ATWILL & CO'S

Washoe Agency—Commercial, Real Estate and Mining,

AT VIRGINIA CITY, NEVADA.

ATWILL & CO. continue to give prompt and faithful attention to all Orders and Commissions forwarded to them. Having been in the State since April, 1860, they are well informed of the value of every kind of property, either Real Estate or Mining Interests, as also of almost every firm or person doing business.

ATWILL & CO Collect Notes, Debts, Assessments, etc. etc; Receive Merchandise on Consignment; attend to Mining [illegible] Transactions negotiated for Real Estate, Mortgages and Mining Stocks; Money Loaned and Advanced on Goods consigned for sale at Auction or Private Sale. Regular Sales of Real Estate, Mining Stocks and Merchandise, every THURSDAY, at Auction; also every description of Notarial Business attended to. Commissioner for California and most of the Atlantic States.

ATWILL & CO.,

20-3m No. 62 South C street, Virginia City, Nevada.

HATS, HATS.

The Largest Assortment

—OF—

HATS AND CAPS

—IS AT—

Meussdorffer's Hat Manufactory,

635 and 637 Commercial Street,

Between Montgomery and Kearny,

SAN FRANCISCO,

WHICH HE OFFERS FOR SALE

WHOLESALE AND RETAIL.

To Prospectors.

THE Directors of the San Francisco PACIFIC METALLURGICAL WORKS offer the following inducements to Prospectors:

NOTICE.—Knowing it will benefit our country to have it well prospected, we agree, if any party will forward us samples of minerals of any kind for assay, express paid, inclose TWO DOLLARS for the same, to return them a correct assay, with the best method of working, and feasibility of having the same worked in this city.

WORKS—North Beach. OFFICE—511 Sacramento street. Box 511, Post Office, San Francisco. [v9-20tf

Volcanic Smelting Furnace.

PERSONS desiring information as to the Use and Economical properties of this Furnace, and intending to make use of the same, when satisfied of its superiority over all other means of reducing ores and separating metals from the sulphurets, can obtain all needed explanation and advice in regard to the same, and the terms of sale of rights to use the same, on application to Col. J. D. Stevenson, or Mrs. E. J. Hall, Proprietress, 633 Third street, San Francisco.

Drawings may be seen at the office of Col. J. D. Steveuson, No. 614 Merchant street.

The time required for reducing ores by this Furnace is from three to eight hours, and the amount of fuel only one-tenth as much as is consumed by other processes.

The process of condensation is applied to this Furnace which will save all those portions of precious metals which usually escape in a volatile form.

The attention of all interested in the subject is requested to examine the important results obtained by this process.

Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.

v9-20tf MRS. E. J. HALL, Proprietress.

DIMPLES.—Dimples are the perpetual smiles of nature—the very cunningest device and lurking place of love. When earth is dimpled by dells and valleys, it always seem to laugh; when the ocean is dimpled by the breeze, it sparkles with joy beneath the sunshine of heaven. We cannot look for frowns on a dimpled face; frowns and dimples will not associate together. How soft, how roguish, how beautiful are the dimples in the elbows and shoulders, the pretty hands and feet of the rosy babe. Mothers dote upon these darling dimples, and delight to kiss them. But perfectly enchanting dimples, at least to the eyes of an enthusiastic young man, are those which come peeping out of the cheeks around "sweet seventeen," when sweet seventeen essays some arch-provoking sally, peeping out and flying away the moment after coming and going with the most bewitching coquetry.

A NOTABLE DEATH.—The late English mails bring full particulars of the death of Captain Speke, the celebrated African explorer. It appears that he was suddenly killed on the 15th of September by the accidental discharge of his own gun, while shooting in the neighborhood of Corsham, Wilts. The charge passed through his chest close to his heart, and he died in ten minutes. His age was 38 years. The remains were conveyed to his father's home at Ilminster. It is understood that Captain Speke, at the time of his death, was preparing for another expedition in the direction of the Nile's source.

DEPARTURE.—Mr. Austin, Superintendent of the Pacific Iron Works, of San Francisco, and lately on a visit to this city, left us by this morning's stage to resume his duties at the Bay. Mr. Austin was the designer and manufacturer of the engine and other machinery of the Midas mill, now building in Telegraph Cañon. The fine work that we have seen evinces his ability as a machinist and engineer. —*Reese River Reveille, Nov.* 1.

WOOL GROWING.—Collinsville, in Solano county, has raised and shipped more wool this season than any other township in the State of the same number of inhabitants. The cultivation of the tule land is a perfect success. The drought throughout the State has proved a benefit in this place. Its corn, potatoes, wheat, barley and onions, cannot be beat in any other location.

THE President is reported to have said, in a recent conversation, that "the reason why we have had no more military successes was because it was 'diamond cut diamond, West Point against West Point; that our military school was the best in the world as would be seen if the graduates should ever be on one side against any foreign enemy."

EDITORIAL CHANGE.—The Rev. Stephen Hilton, recently arrived in California, has succeeded the Revs. Cheney and Sawtelle in the editorial management of the Evangel, a Baptist semi monthly published in this city.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

MINING LAWS AND FORMS.
Third Edition revised and enlarged.
Compiled by H. B. CONGDON.
THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.
Published by H. H. BANCROFT & CO.
10

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Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 418 Market street, San Francisco. n7-tf

Owen's River Canal Company.
CAPITAL STOCK.....$1,000,000
10,000 Shares.....$100 per Share.
A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.
Full Paid and Unassessable Stock,
Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.
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Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON
TRUSTEES:
R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg
Office of the Company 328 Montgomery Street. 1tf

Professional Cards.

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NOTARY PUBLIC,
—AND—
Commissioner of Deeds for the Territory of Nevada and Arizona,
AND FOR THE
STATES OF MASSACHUSETTS AND MAINE.
Office, Montgomery Block, 626 Montgomery Street,
10v8-2m SAN FRANCISCO.

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

T. C. SANBORN & CO.,
MR. T. C. SANBORN having resumed business at the Stock Exchange will, from this date, attend to orders for the purchase or sale of Mining Shares and other Securities.
613, corner Montgomery & Merchant sts.
San Francisco, October 22, 1864. 18v9-tf

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money
BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. E. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

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Mechanical & Architectural Draughtsman,
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Drawings of Models made for parties applying for patents at Washington or London. mar23-tf.

N. LOMBARD INGOLS,
Accountant and General Factor,
310 & 706 Montgomery Street, and
Room No. 24, Government House,
Corner Washington and Sansome Streets, San Francisco.
Address Box 2128, Post Office, San Francisco. [18v9

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MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

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Steam and Mechanical Engineer, Designs furnished and Drawings made for Engines, Mills, Water Wheels, Mining Machinery, etc., etc. Agent for McKenzie's Patent Cupola and Blower.
At the Golden State Iron Works,
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LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.
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TEETH extracted without pain by the use of an apparatus wherewith no Drugs are used. Being a local agent applied to the gums only, no fear need be entertained, as it is sure and safe. All operations appertaining to the Dental Art performed in a skillful manner. Teeth inserted in every style.
DR. E. BELLE, Dentist.
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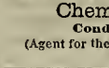
G. F. DEETKEN,
MINING ENGINEER.
HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.
Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.
My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 405 Montgomery street. 15-tf
San Francisco, October 1st, 1864.

Evening Instruction in Anylitical
Chemistry and Assaying,
Conducted by Thomas Price.
(Agent for the Swansea Ore Importers in California.)
HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20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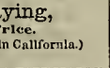
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DENTISTS,
[Successors to W. H. Irwin.]
No. 205 Third Street, near Howard,
18-v9 SAN FRANCISCO.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

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BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
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Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. [2-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

JOHN DANIEL,
(SUCCESSOR TO O. GORI)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

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ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
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THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

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(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
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BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

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Gold Quartz suitable for Cutting Jewelry.
By FRONTIER & DEVIERCY.
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Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
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GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ SCROLL SAWING DONE TO ORDER. ☜
Fremont St., between Market and Mission, San Francisco. 3-3m

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.
Henry's Repeating and other Rifles.
CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.
Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**
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Manufacturers of every description of
PAPER BOXES,
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☞ All orders promptly attended to ☜
F. STAMPFLI. [16] H. MANNECK.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

REVOLVING
IRON AND WOOD SHUTTERS
—FOR—
Buildings and Safes,
Manufactured by
ALEXANDER GRAFTON & CO., LONDON.
TO BE HAD OF
BROCK JOHNSON,
No. 28 Government House, corner of Washington and Sansome Streets, San Francisco,
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Three to Five Shillings per Superficial Foot, Including All Winding Gear Ready for Fixing.
Every Description of Brass Sash Bars and Stall Plates Manufactured to Drawings and Specifications, from Three Shillings per Foot run. 16-tf

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WRINGERS, STANDARD SOAP COMPANY'S MANUFACTURES,
And every accessory to cleanliness, at
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Metallurgy.

G. E. MOORE,
Assayer and Analytical Chemist,
Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.
REFERENCES—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!
Promptness and Accuracy Secured,
BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!
J. H. CHURCHILL, M. A.,
Consulting Chemist, [from Europe.]
No. 308 Front St., S. E. corner of Commercial Street.
Refer to the Editors of this Journal.
☞ "HINTS FOR PROSPECTORS" free by post. 1tf

S. W. HOWLAND,
COPPER CRUSHER AND SAMPLER.
All Work done at the Shortest Notice.
No. 24 California Street,
Between Davis and Drumm,
In the Rear of Thomas' Planing Mill,
16-q SAN FRANCISCO.

EUROPEAN
METALLURGICAL WORKS.
Bryant Street, Between Third and Fourth, San Francisco.
THE Proprietors having recently added to this Establishment the latest and most approved Machinery for the Reduction and Testing of ORES of all sorts—either in large or small quantities—are prepared to test Ores by such process as may be ascertained best suited to their chemical character, after a careful analysis being first made. Assays, either in the humid or dry way, made of all Minerals. Also, Refining and Cupellation attended to.
☞ Particular tention paid to the Smelting of Copper and Silver Ores.
S. P. KIMBALL J. R. MURPHY.
14-3m

A New and Valuable Book.
PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.
This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.
Price—post paid—Cloth $6; Sheep $7.
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HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
GEO. B. HITCHCOCK & CO.,
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NATHANIEL GRAY,
General Furnishing Undertaker,
641 Sacramento St., corner of Webb, San Francisco. 1

Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.
JARVIS JEWETT, AGENT.
629 Washington Street, San Francisco, Cal. 10v8-1m

How to Read Shoulder Straps.—The rank and "arm" of military officers are designated as follows: The shoulder straps of a major-general bear two silver embroidered stars, one at each end of the strap. A brigadier-general has one silver star only. A colonel has a silver embroidered sprend eagle; a lieutenant-colonel has two silver embroidered leaves, one at each end of the strap; a major has two embroidered gold leaves, similarly placed. A captain has two gold bars at each end of the strap; a first-lieutenant one gold bar at each end; a second-lieutenant no bar at all. The cloth of the strap, by its color, distinguishes the "arm" of the service. For general and staff officers, it is dark blue; for artillery, scarlet; for infantry, sky blue; for riflemen, green; and for cavalry, orange color. Non-commissioned officers are indicated by "chevrons" or stripes on the coat sleeve, in the form of a letter V. Corporals wear two stripes; sergeants three; orderly-sergeants have a lozenge or diamond-shaped figure within the angle of the chevrons. Sergeant-majors have the three stripes of a sergeant completed into a triangle, base uppermost.

Profits of the Diamond Trade.—It would appear from the following paragraph that experienced dealers in diamonds can not only make an exceedingly close calculation as to value of diamonds, but that they are also enabled to make a large profit out of the trade in those precious stones:—An executor, in London, not long since, had to dispose of certain diamonds. He held the receipts for the money paid for them by the testator. One diamond cost $2,500 and another $1,000. Two diamond merchants in London were separately consulted (without the knowledge of each other), and each valued the diamonds within a few pounds of the same amount. The diamond which cost $2,500 was valued at $900, and it was admitted to be a very fine one. The one which cost $1,000 was valued at $350.

The Whitworth Rifles of the Southern Soldiers.—A correspondent with Sherman's army in Georgia, makes the following remarks about Confederate fire-arms:—"The Whitworth rifle greatly in use by the rebel skirmishers and sharpshooters, is a weapon to be much feared, as persons nearly one mile and a half from the rebel skirmish line have been wounded when they thought themselves safe from anything except solid shot and shell. One soldier was standing upon a log, crossing a creek about one mile and a quarter from the nearest rebel line of rifle pits, where I was talking to him, when one of these fatal messengers came crashing through both his thighs, and with this mortal wound he sank into the water. These bullets break the bone of a man's limb like a solid shot from a cannon. Rebel deserters say that each division of the rebel front is furnished with about fifty of these rifles, which are used in their skirmish line. The inventor of these guns is the same as that of the Whitworth rifled cannon."

Vote of San Francisco.—The remarkably large vote of the city on Tuesday, viz: 21,026, surprises nearly every one. Some six weeks ago Mr. Langley, pretty good authority, stated that the vote would reach twenty thousand, which opinion was combated at the time as extravagant. But he gave his reasons, one of which was the great increase of names in his "Directory" for this year over that of four years ago, some ten or eleven thousand. But the vote has exceeded even his estimates by a thousand. The reasons for so large an increase are several: the return of miners from the Territories, the return and voting of soldiers, immigration, natural zation, and the general increase in the population of the city.—*Call.*

A Famous Swimming Match recently took place in the British Channel between Mr. Herschell of the French navy and Capt. Saunders, an Englishman. The course was five measured miles at sea, with rather a high sea running. The Frenchman took the lead at first and kept it up for a long time; but was ultimately passed by Capt. Saunders. The distance was accomplished by the winner in one hour fifty-six minutes and twenty-eight seconds.

The Panama Company made their usual quarterly dividend of 5 per cent., payable Oct. 6. Seventy-five per cent. of the earnings of this prosperous concern are in gold, and we understand the directors have recently made the salaries of all their New York employees equal to the rates they were receiving in a gold-paying currency before the year 1861, so as to equalize their remuneration with the agents and other servants of the company on the Isthmus and the Pacific coast.

As the eagle dips his wings in the crystal spring, to beautify and strengthen them for his upward flight, so should the young go to the fountain of literature and science to adorn and strengthen their minds, that they may be qualified to rise to a sphere of usefulness in the world.

Miscellaneous.

BLASTING

POWDER.

EDWARD H. PARKER,

No. 224 California Street,

Agent of the

Hazard Powder Company.

WM. T. COLEMAN & CO.,
70 WALL STREET,
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Buy and sell, on commission, state and city bonds, Bank and Railroad Stocks, and other prime securities.
Buy and sell Exchange on California, Oregon and Western Cities.
Grant Letters of Credit, available in any part of the United States.
Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.
Receive consignments of produce from California and Ports in the Pacific.
Make advances upon approved merchandise consigned to our San Francisco house.
Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.
Buy and sell and charter Vessels for all trades.
AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.
Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. the par value is always required.
We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention.
WM. T. COLEMAN & CO.,
70 Wall street, New York,
18v8 And California and Front streets, San Francisco.

Advance Made on Copper Ores,

Wool, Hides, Whale Oils, etc., consigned to our friends in New York, Boston or England.
WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,

Payable in coin or in currency—for sale, in sums to suit, by
WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco.

IMPORTANT DISCOVERY
— IN THE —
Photographic Art.

Jacob Shew's
CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.

[PATENT APPLIED FOR.]

The undersigned would announce to the public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a

SOFTNESS, CLEARNESS AND DELICACY OF TONE

unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.
In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.
☞ The public are invited to examine specimens at my Gallery. ☜
JACOB SHEW.
6-tf 315 Montgomery street, near Pine.

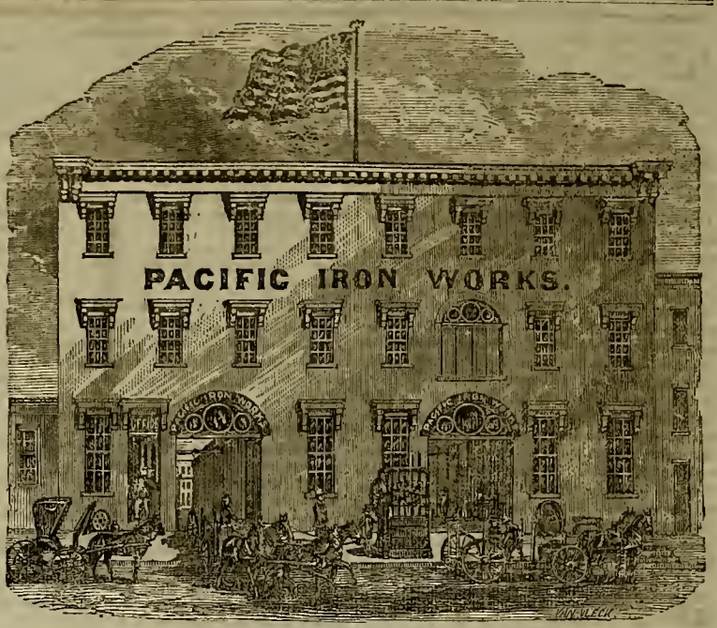
RAILROAD HOUSE.
316, 318 & 320 Commercial Street,
SAN FRANCISCO.

The Undersigned respectfully notifies his Patrons, and the Public generally, that he has assumed the entire charge of above popular House, and having had it thoroughly renovated, he flatters himself it will compare favorably, in point of comfort and cleanliness, with any House in the city. It is his intention to make it a First Class

Family Hotel.

Being conducted on the European plan, it is not only the CHEAPEST RESPECTABLE HOTEL, but the most convenient as guests can choose their own hours of eating. The Restaurant is now conducted by G. V. DAWSON, Esq., formerly of Sacramento, late of Marysville, whose name is a sufficient guarantee of the best of living.
The Railroad House Coach conveys passengers to the hotel FREE. Barber Shop, Bath Rooms, Steam Baths, etc., connected with the House.
13-q C. L. ROSS, Proprietor.

Scientific and Mining Journal.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*



THE PACIFIC IRON WORKS,

First & Fremont Sts., between Mission & Howard, San Francisco.

The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated

Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c. Orders respectfully solicited.

GODDARD & COMPANY.

Machinists and Foundries.

VULCAN IRON WORKS CO.,
[ESTABLISHED 1850.]
No. 137 and 139 First Street.
IRON FOUNDERS, STEAM BOILER MAKERS AND
STEAM ENGINE BUILDERS.

The Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Lathe to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.

MACHINERY

Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.

Quartz Stampers, Shoes & Dies,

Warranted to be made of the very hardest and toughest Iron.

RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.
A Published list of the Patterns of these Works will be sent on application.
MANUFACTURERS OF
JONVAL'S TURBINE WATER WHEELS,

The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

D. B. HINCKLEY, WM. R. WORTH, WM. A. FIELD
FULTON
FOUNDRY AND IRON WORKS.
Hinckley & Co.,

MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,

Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

The undersigned proprietors are prepared to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

Every description of Iron and Brass Machinery, the Best and Most Economical, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL, And Quartz Machinery, Printing Presses,
— AND —
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,

N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABLISHMENT on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

JOHN F. GALLAGHER..... .....JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.

ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

THE FIRST DISCOVERY OF GOLD ON THE FEATHER RIVER—GEN. BIDWELL.—The Butte county (Oroville) *Record* remarks :

The first gold was, in an early day, discovered on Feather river, on the bar, at Hamilton, in Butte county, by the old pioneer and Unioo staudard bearer of this district—Gen. John Bidwell. He was the first white settler to explore and thoroughly "prospect" this wild, mouutainous and appareutly barreo region. Bidwells Bar, once a great miuing point, and for several years the county seat of Butte, was discovered by him. Is was by thus adventuring, and by the willing labor of his own hands upon the rough sand bars of Feather river, that he accumulated sufficieot means to purchase and commence the improvement of his present great farm. By years of industry, close attention to business and good fioanciering, he has secured the finest aod most valuable property in the State. His farm is under the highest cultivation, his extensive orchard and vineyard are of the choicest selection, and he has one of the most magnificently constructed flouring mills in the State. Iu fact, Gen. Bidwell was the first to develop the mineral and agricultural resources of Butte—to open up her roads to trade and wealth—and by his liberality and progressive spirit has won the respect and esteem of all.

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It it a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

1852. 1864.

TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1853.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

Serial Romances in the Golden Era.

The most popular Novels of the present day—

"THE DOCTOR'S WIFE," by Miss Braddon.

"OUR MUTUAL FRIEND," by Charles Dickens; published as Serials, from week to week, in THE GOLDEN ERA, from advance sheets, simultaneously with their appearance in the English and Atlantic Periodicals.

Among the Contributors to the GOLDEN ERA are all the prominent writers of Literary Repute in California, and on the Pacific Coast; also correspondents and contributors of distinguished talent in the Atlantic States and Europe; including "Orpheus C-Kerr," Fitz Hugh Ludlow, G. B. Densmore, "Mark Twain," Dan De Quille, Florence Fane, Miss Emma Hardinge, Sarah E. Carmichael, Annie E. Fitzgerald, "Occasia Owen," Alice Mason, William Simpson, Chas. F. Stoddart, "Ina," H. C. Williston, "Albion," "Fairfax," Bonnevel, Mary Kyle Dallas, Margaret Hosmer, and many other accomplished writers of Fiction, Romance, Novels and Stories, Poetry, Essays, Sketches, etc., etc., comprising an array of Talent and Genius unapproached by any Literary Journal in California, the Atlantic States or Europe.

The proprietors of the GOLDEN ERA announce the receipt of advance Sheets of Miss M. E. Braddon's New Novel,

The Doctor's Wife,

The most brilliant effort of the celebrated author of "Aurora Floyd;" "The Outcasts;" "Three Times Dead;" "Lady Audley's Secret;" etc., etc.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

THE GOLDEN ERA, One Year.....Four Dollars.
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THE TWO GREAT SERIALS,

"OUR MUTUAL FRIEND,".....by Charles Dickens.
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"THOUGHTS AND THINGS,"

APPEAR WEEKLY IN THE GOLDEN ERA,

Read "Thoughts and Things" in the GOLDEN ERA.

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Parties (living remote from localities where agents are located) forming a club of five yearly or half-yearly subscribers, and forwarding the subscriptions (by letter registered and postage paid) to the office of publication in San Francisco, will be entitled to an additional copy of The GOLDEN ERA for the term of one year, or to retain the equivalent in cash.

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SUBSCRIBERS will be careful in writing as plainly and fully as possible, the direction of papers to be sent to any part of California, the Atlantic States, or elsewhere.

Now is the Time to Subscribe.

TO ADVERTISERS!

Best Advertising Medium—The "Golden Era" is the oldest Weekly Journal in California, and indisputably enjoys by far the largest circulation in the city of San Francisco and in the interior of the State.

THE GOLDEN ERA

Is universally read in every city, town, village, and mining and agricultural precinct in California, and offers unusual and unequaled advantages to those who desire to bring their business prominently before the community. Only a limited space is devoted to advertising. All advertising pages are also largely occupied with fresh and interesting reading matter, and no advertisement can escape attention. The charges for advertising are not as large, proportioned to the benefits derived, as those of other papers. Liberal terms will be made with those who advertise for three or six months, or by the year.

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POSTAGE on the GOLDEN ERA, to Mail Subscribers, in California and throughout all the States and Territories of the Union, per quarter, (3 months).... 5 cts. To be paid quarterly, in advance, either at the Office of Mailing or Delivery.
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BROOKS & LAWRENCE,
GOLDEN ERA BUILDING,
543 Clay st., near Montgomery, San Francisco.

Machinery.

BLAKE'S

QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. Idaho City. E. TYLER. Michigan Bluff. WM. P. BLAKE. San Francisco. I-3m

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST In friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT,

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address
SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $60 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE
Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S
Self-Regulating Windmill.

This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 15

Hudson's Improved Pump,

(Specimen on Exhibition in the Pavilion,)

Plumbing and Gas Fitting in all its Branches.

A. J. SMITH,
No. 33 Webb Street. 9-d1af

FARRAND'S
Oscillating Amalgamator,
RECEIVED THE
ONLY PREMIUM
AWARDED FOR AMALGAMATORS
At the Recent Industrial Fair
OF THE
Mechanics' Institute of San Francisco.

Committee of Awards.

O. BELDEN, O. GOAN, W. T. GARRATT, GEO. JOHNSON, H. P. WAKELEE, C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, while the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulphurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,
R. L. OGDEN, Agent, SAN FRANCISCO.
S. E. corner Montgomery and California streets.
v9-19

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. I-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.] HEPBURN & PETERSON.
nov8 3m*

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of Iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons desiring the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,
At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
15-1m

Domestic Produce.

The *Evening Bulletin* is advised by an old resident in the Southern part of the State that the crops of corn, hay, barley, beans and potatoes are large, particularly in the counties of San Bernardino and Los Angeles. They were early warned of short crops in the northern part of the State, whence they had formerly received large supplies, and went immediately to work, plowing, planting and irrigating, consequently they have raised this year large crops of grain and hay. The southern corn crop of this year, as above stated, is said to be equal to the entire aggregate of the ten past seasons, contracts for which have been made in the field at 1½c ₱ lb in bulk, the buyer furnishing the sacks. The corn now arriving is of last year's surplus; but the Cur-lew's cargo, yet to arrive, is of the new crop. The barley crop south is also much larger than that of any previous year, and sells (below) at 2c ₱ lb; while hay is very plentiful and cheap. Heretofore, nearly all the hay consumed in the southern counties came from here; now the tide has turned, and they have a very large surplus, which sells at San Bernardino for $5 ₱ ton and at Los Angeles for $7 ₱ ton in trade barter from the stores. From Santa Clara county we hear of a single farmer refusing 4c ₱ lb for his entire wheat crop, estimated to be worth, at this price, $63,000. This, be it remembered, is not this year's crop of wheat, but one held over from previous seasons. We have no doubt that there are many other farmers in our own State, but especially in Oregon, who will he able to unearth thousands of tons of wheat, long since buried, waiting for this very harvest of big prices to arrive. Now we will see who will sell, and who are disposed to hold until New Yorkers and Chileans run away with their markets, as in years gone past.

"Mining and Scientific Press."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

QUICKSILVER

FOR SALE BY

S. F. BUTTERWORTH,

Corner Front and Jackson Streets,

v9-19 SAN FRANCISCO.

For Sale Cheap,

A Boiler and Engine, in complete order, of the capacity of **Twenty-five Horse Power.**

19 Inquire at this office.

KELLOGG'S PATENT

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October 29th, 1864. San Francisco.

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THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF

NOVEMBER, 1864.

Nov. 3—GOLDEN CITY. ... .Capt. Wm. F. Lapidge.
Nov. 12—GOLDEN AGE.....Capt. E. S. Fransworth
Nov. 23—CONSTITUTION.....Capt. J. T. Watkins.

From Folsom street Wharf,

At 9 o'clock A. M., Punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. H. FORBES, Agent P. M. S. Co.,
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Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

COMMENCED

ON THE FIRST OF JULY, 1864,

WITH

An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

The Proprietors of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the Press during the past six months. By abl of the accumulating patronage now being properly bestowed upon tha

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to provo our appreciation such marked favor hy rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the Mining and Scientific Press substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,
An Economizer for Mining Advertisers,
Reliable Reporter for Shareholders.
Faithful Monitor for Stockdealers,

An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes,

fact, upon the Pacific Coast. We shall give accurate and quent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies, Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the Press can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
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FOR ADVERTISING

Our terms are very reasonable. Mining Companies are especially favored by our rates, and careful attention is given to the publication of Mining Notices.

Office in Government House, Nos. 11 and 56, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

Our Patent Agency.

The Patent Agency of the Mining and Scientific Press has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of Letters Patent from the United States and foreign Governments cannot be over-rated, and the Proprietors of the Press, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

Inventors and Inventions.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Invention is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Clorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignorant of the joys of victory. —[Dumas.

Mining Companies and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

Old Father Bushnel, of Vermoot, used to say that the best criticism he ever received on his preaching was from a little boy who sat at his feet, looking up into his face, as he was preaching in a crowded house. As he was going on very earnestly, the little fellow spoke out, "You said that afore." It is thought that some other preachers of long sermons may be open to the same criticism.

A young man in Wisconsin was recently stung on the wrist by a bee, and died twelve hour after.

Advertising Circular.

The Proprietors of the Mining and Scientific Press would call the especial attention of Mining Secretaries, Trustees and Shareholders, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The Press enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the Press is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the Press, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the Press or some other paper.

6th. Many copies of the Press are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the Press, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

Last, but not Least.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal.* Published in this, the greatest mining field of the world, we desire that the Press shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 11 & 56 Government House, Corner of Washington and Sansome streets, San Francisco.

New Mining Notices.

Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, Cal.

Notice.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 20th day of Augnst, 1864, and No. 10, levied on the 14th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Asst.	No. Certificate.	No. Shares.	Amt.
H Rothschild	9	37	2	$10
H Rothschild	10	37	2	10
M Waizmana	9	101	3	15
M Waizmann	10	101	3	15
Wm Striby	9	97	1	5
Wm Striby	10	97	1	5
Ephran Fiedler	9	84	1	5
Sophran Fiedler	10	84	1	5
C Merkle	9	90	1	5
C Merkle	10	90	1	5
Ad Schuppert	10	11	5	25
Conrad Lindner	10	53	1	5
Conrad Lindner	10	7	2	10
Gotll Behreus	10	32	1	5
John Locher	10	1	3	15
A H Beschormann	10	93	2	2
A H Beschormann	10	103	8	8
A Fenkhausen	10	62	1	5
Marianna Bootz	10	71	5	5
Jos Wands	10	75	1	5
Adam Bootz	10	80	1	5
Dan Althaus	10	88	1	5
Jacob Mello	10	84	2	10
John Daumeister	10	98	1	5

And in accordance with law and an order of the Board of Trustees, made on the 14th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 26th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

E. J. PFEIFFER, Secretary.
20 Office, S. W. Corner, Post and Dupont Sts.

Bay State Gold and Silver Mining Company, Turnbuck District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 9th day of November, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 16th day of November, 1864, in United States gold coin to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 27th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.
Office, S. E. Corner of Second and Howard streets, San Francisco. nov12-20-4

Evening Star Gold and Silver Mining Company, Trinity District, Humboldt County, N. T.

The Annual Meeting of the Stockholders of the above company, for the election of Trustees to serve for the ensuing year, will be held at the office of the Company, No. 710 Sansome street, on Saturday, the 3d day of December, 1864, at one o'clock, P. M. By order of the Board of Trustees.

29-3 N. DUPERU, Secretary

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Township No. 8, Calaveras County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Louis M Hickman	36	35	$14 00
Louis M Hickman	36	50	20 00
Louis M Hickman	37	54	20 00
Louis M Hickman	38	15	6 00
Wm Graham	45	150	60 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 3.7 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 28th day of November, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

RALPH EMERSON, Secretary.
Office, No. 540 Clay street, San Francisco. 20

Noble Grand Mining Company, Inyo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 6th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
S D Holly	1 2	100 ea	$20 00
S B Holly	3	50	5 00
S B Holly	4	20	2 00
S B Holly	5	10	1 00
S B Holly	6	5	50
S B Holly	7	3	30
J P Hamilton	23	100	10 00
J P Hamilton	24	50	5 00
J P Hamilton	25	20	2 00
J P Hamilton	26 108 to 112	10 ea	6 00
J P Hamilton	27 113 to 122	5 ea	5 50
J P Hamilton	28	3	30
Dexter Witter	0	100	10 00
Dexter Witter	10	50	5 00
Dexter Witter	11	20	2 00
Dexter Witter	12 93 to 97	10 ea	6 00
Dexter Witter	13 98 to 107	5 ea	5 50
Dexter Witter	14	3	30
Mrs S S P Eastman	127	5	50
J S Keifer	128	4	40
M C Smith	129	4	40
M M Sixsmith	130	4	40
A Z Valleau	92	10	1 00

And in accordance with law and an order of the Board of Trustees, made on the 6th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the Secretary, on the 30th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. O. WOOD, Secretary.
Office, No. 240 Montgomery street, cor. of Pine. 20

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, Nev.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of November, 1864, an assessment (No. 9) of 50 cents per share was levied upon the Capital Stock of said Company, payable on the 9th day of November, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on the Saturday the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.
Office, Corner Broadway and Sansome streets, San Francisco, California. nov12-20-4

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras County, California.

Notice.—There is delinquent upon the following described stock, on account of Assessments levied on the 21st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
Ran Dean	not issued	150	$15 00
J W Griswold, Sr	"	150	12 50
Joseph Heen	"	150	15 00
Edward Cornillus	"	150	15 00
Smith Gildersleeve	"	75	7 50
Rob McDonald	"	150	15 00
B F McDonald	"	150	15 00
Conrad Hyser	"	150	15 00
Augustus Shriver	"	150	15 00
Samuel Brimmer	"	150	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the hotel of J. A. Black, on Saturday the 26th day of November, 1864, between the hours of 11 o'clock, A. M. and 1 o'clock P. M, of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. J. FINDLEY, Secretary pro tem.
Office, Rock Creek, Calaveras County, Cal. 20-3

Enlarged.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

A DECISION CONCERNING THE LIABILITY OF INDIVINUAL MEMBERS OF AN INCORPORATION, TO THE COMPANY'S CREDITORS.—A suit was decided in the County Court of San Francisco, on Thursday of last week which involves an interesting question to mining and other stockholders. The suit was brought by George A. Johnson and others, assignees of a claim against the Cosette Silver Mining Company, of which the defendant, John B. Delabigne, was a stockholder, to recover the sum of $180.13, being defendents proportion of the debt. Delabigne had refused to pay any part of the debt, alleging as a reason that his stock had previously been sold out by the company for delinquent assessments, and that his liability for any of the company's indebtedness ceased at that time. He also maintained that if liable at all, it was only in the nature of a suretyship and that plaintiff must first exhaust all his remedies against the company, and that until this was done no action could be maintained against him for any portion of the company's debts. Judge Cowles based his decision in the case upon the rule laid down by Judge Cope, of the Supreme Court of California, in the case of the Mokelumne Hill Canal Company *vs.* Woodbury, 14 Cal 265, establishing the doctrine that an individual incorporator does not stand in the relation of a surety to the creditors of the company, but his responsibility is that of a principal debtor, and it commences with that of the corporation and continues during the existence of the indebtedness. Nor is it in any case contingent merely, but absolute and unconditional. It has frequently been held that members of a corporation who are answerable persoually for the company's debts, stand in the same relatiou to the creditors of the corporation as if it was a copartnership only. Jvdgment was rendered in favor of plaintiffs for $180.13 with interest from date, at one and a half per cent per month until paid, in gold coin.

A NEW silver mine, of aunsual value, has been lately discovered in Sweden. At a foot below the soil the vein is so rich that heavy blocks of silver have been found.

Mining Notices--Continued.

Arizona Consolidated Mining Company, Enreka District, Arizona Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of October, 1864, an assessment of 20 cents per share was levied upon the Capital Stock of said Company, payable immediately, in United States gold coin, to the Secretary, at the office of the Company, No. 723 Montgomery Street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. G. FRENCH, Secretary.

Office, 723 Montgomery street, San Francisco. 17-4

Blue Ledge Gold and Silver Quartz Mining Company, Kelsey District, El Dorado county, California.

NOTICE.—There are delinquent upon the following described stock on account of Assessment levied on the 5th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
Ayer, Joseph Y	1001	3	$3 75
Albert, Lewia	1175 1847	22	27 50
Andersoa, Johu Jr	1415	1	1 25
Acker, Valentine	1374	5	6 25
Atchinson, B M	2347 2346	15	18 75
Adsit, L B	2397 2396	20	25 00
Brockway, S H	1390	10	12 50
Brpiuer, Frederick	1380	10	12 50
Burr, W W	774	10	12 50
Blohm, Peter	836	10	12 50
Byxbee, John F	840	5	6 25
Byxbee, R G	842 843	20	25 00
Boyd, James T	872	10	12 50
Brattlcovich, Luca	897	5	6 25
Briggs, B F	2429 2428 1573	22	27 50
Bell, Robert	1148	1	1 25
Barstow, J	1343	5	6 25
Beatty, John	1555	3	3 75
Brown, Henry S	2748 2747 1747	35	43 75
Bomeister, Sarah J	1749	5	6 25
Bachelder, R G	1769	25	31 25
Bloomer, T	2631 1981	10	12 50
Bomeister, M F	2011	2	2 50
Bosquet, Andrew	2559 2558		
	2067 2066	55	68 75
Bowden, C S	2549 2548	10	12 50
Boden, John H	2611 2610 2609	25	31 25
Bluxome, J	2572	5	6 25
Brigham, M L	1366	8	10 00
Bowley, H L	2844 2843	25	31 25
Buquetti, A	2838	20	25 00
Cbalmers, George	248	10	12 50
Chalmers, Robert	1358 1356		
	1354 1352	30	37 50
Curtis, Johu	961	10	12 50
Casas, F B de laa	695	5	6 25
Cobb, Walter	1403 810	10	12 50
Chandler, Rich D	2606 2547	53	62 50
Cleary, Thos J	1123	5	6 25
Chamberlain, J P	1135	5	6 25
Chapman, Jamea	1453	10	12 50
Cantiu, J P	2779 25-2	20	25 00
Corlett, Wm	1813 1811 1809	25	31 25
Clark, Rodney	2395	10	12 50
Cook, Francis	2493	10	12 50
Carpenter, C A	2512 2511	5	6 25
Charles, T C	2908 2558	13	16 25
Carter, Mrs H A R	2640	1	1 25
Cbadbourne, Joseph	2769	20	25 00
Cantin & Everett	2905 2904	23	28 75
Dow, Martin	793	10	12 50
Davis, Luther	518	25	31 25
Davison, R G	851	15	18 75
Decker, Martin	1236 1234		
	1121 747	25	31 25
Dager, J W	2319	30	67 5
Downer, Thos P	2013 1613	10	12 50
Day, Henry	1382 1232	5	6 25
Dougherty, B	2577 2576	13	16 25
Darling, John E	1627 2626	15	18 75
Derby, E M	2735 2734 2733		
	2732 2731	80	100 00
Elkers, L	942	10	12 50
Eldridge, J O	1025	5	6 25
Edward-, I B	1285 1269	10	12 50
Ellerbortt, H D	2472 1463	40	50 00
Eaglemeyer, Geo	17 3	8	10 00
Everett, A F	2718 2569	20	25 00
Ekiof, L	2705	5	6 25
Edwards, Chas W A	2800 2799		
2798 2797 2796 2795 2794			
2855 2854 2852 2851		160	200 00
Fogg, P S	1833	1	1 25
Foy, John J	2468 1059	15	18 75
Foster, W W	2605	5	6 25
Flannegan, Edward	2676	5	6 25
Graves, Edward S	18-5	5	6 25
Grant, M E	2014	10	12 50
Gallego, Francisco	1779	5	6 25
Gerry, F F	1757	5	6 25
Goldmaa, J A	2451	10	12 50
Gifford, Thomas	2662 2264	15	18 75
Gill, H B	2582 2581	10	12 50
Godfrey, Christopher	2715 2712		
	2711	60	75 00
Giuste, Joscpb	2144	5	6 25
Hannegna, Robert	3 0	5	0 25
Haywood, Z B	1409 1057	7½	9 37
Hobbs, Gilmore & Co	1485	15	18 75
Hulbert, H P	1255	5	6 25
Haljie, Henry	1253	5	6 25
Haskill, E P	1257	5	6 25
Hulse, DeWitt	1661 1571 998	25	31 25
Henderson, John	2583 1619		
	1597 1577	59	73 75
Hall, Edwd L	2526 2089 2087	20	25 00
Hall, George	1447	2½	3 12
Hotchel, H	2608 2607 1625	45	56 25
Hopper, J H	1647	10	12 50
Harris, Isaiah	1703	4	5 00
Hamman, W H	1737	5	6 25
Hayles, Nahun	1845	10	12 50
Heath, R W & Co	2322	10	12 50
Hamblin, Chas C	2198 1901	9	11 25
Hinkley, Daniel	2158 1957	20	25 00
Huff, Harry Stevens	2126	1	1 25
Hunter, W H	2332 2331	30	37 50
Huff, O B	2655 2654 2584	50	62 50
Huff, Wm B	2591 2589	25	31 25
Harrington, J C	2622	10	12 50
Hayden, M	2638 2637 2636	30	37 50
Hawkhurst, W	2661 2660	30	37 50
Harding, John	2795	25	31 25
Hughes, Matthew	1364	8	10 00
Hayden, C W	2793	10	12 50
Ingoldsby, L D	2478 2476	25	31 25
Isaacs, C J	1935	2	2 50
Johnson, Joseph M	2507 2505	15	18 75
Johasou & Reay	1639 1-59		
	1357 1355	43	53 75
Jenkins, J S	2314	5	6 25
King, John	1825 1707 1133	35	43 75
Kern, Samuel T	1029	5	6 25
Kern, Johu	2178 1459		
	1143 1141	40	50 00
Kimball, M C	1755 1763 1715		
	1617 1583	40	50 00
Kleinhaus, John	2180 2179		
	2208 2207	20	25 00
Koch, Edward	2 57	4	5 00
King, J C	2746	10	12 50
Kennedy, Ts H	2830 2829 2824	80	100 00
Lewis, F R	1014 1012 577	16	20 00
Lowell, N R	724	1	1 25
Lyle, F B	833	5	6 25
Lustig, Isig	937	5	5 25
Lyman, Charles	2617 1581	15	18 75
Lewis & Co	1177	5	6 25
Leonard, E W	2030 2029	29	35 25
Lovell, Wm	2546	20	25 00
Lloyd, Jno S	2768 27-7 2760	25	31 25
Marshall, James W	1368 131	29	36 25
Miller, George	1326 1324 1322		
	1320 1316 1314 1334	110	137 50
Marble, Mrs A L	839	5	6 25
Mabler, Henry	1154 951	5	6 25
Morrison, Gorge H	2354 2001		
	1015	20	25 00
Maxfield, E F	1159	10	12 50
Meade, Jno F	1529	5	6 25
McLeau, Peter	1251	10	12 50
Myriek, Joseph	1587	10	12 50
Marsh, N F	1651	5	6 25
Manchester, Benjamin F	2197	6	7 50
Moffitt, George	2 51	5	6 25
Merrill, Aun's	2644 2291	15	18 75
McKee, Wm R	2329	20	25 00
Montagnie, J E de la	2742 2724		
2722 2721 2716 2650 2345		86	107 50
Monobau, Wm	2531	10	12 50
McDonald, W	2473 2413	10	12 50
Mitchell, Jas C	2669 2603	20	25 00
Moron, Benj	2745	5	6 25
Nickols, R J	1271 1255	15	18 75
Murdock, A H	2770	5	6 25
Newhall, Wm M	1055 1063 1061	13	16 25
Norton, Chas B	1579	10	12 5-
Nickols, Maria C	1287	5	6 25
Nelson, James	1392	30	37 50
Neal, Wm W	2621 2620	40	50 00
O'Hara, Henry	1077	5	6 25
Olpherts, Robert	2755	20	25 00
Pouncil, J T	827 581 580	7	8 75
Phelan, George E	709	5	6 25
Pinkerton, W C	1389 1139 1137		
	746	25	31 25
Poole, J H	1615	10	12 50
Parker, John	1162	1	1 25
Partridge, R R	1771	25	31 25
Prosser, W J	1240 1238	10	12 50
Partridge, J R	2464	10	12 50
Parker, R A	2592	5	6 25
Post, V B	2850 2849 2848 2847		
2846 2845 3842 2841 1388		173	216 25
Phelan, J G	2756	10	12 50
Perkins, J G	2893	5	6 25
Ryder, J T	949	5	6 25
Robinson, D N	2486	2½	3 12
Rice, Wm	2911 2910 2601 2916		
	2915	30	37 50
Ring, Peter	2589	10	12 50
Shepard, A J	542	10	12 50
Sheldon, John P	2293 1411	5½	6 87
Shoemaker, J W	1239	25	31 25
Sonneoberg, Louis B	933 932	8	10 00
Shirek, Saml	1249	5	5 25
Sudden, Robert	2210 2209 2026		
	1763	33	41 25
Sage, Louis P	1333 1331	30	37 50
Selleck, Silas	1513	5	6 25
Storer, Elizabeth A	1114	2	2 50
Smith, C P	2017	3	3 75
Stevens, T H	2082 2081 2078		
2052 2041 2039 2411 2223			
	2218	172	215 00
Simmons, N	2226 2255 2156	10	12 50
Schaffer, H H	2551 2550 2549		
2276 2275 2273 2272 2643			
2556 2555 2554 2553 2552		176	220 00
Swain, Isaac	2390 2389	30	37 50
Shaw, S A	2474	5	6 25
Strauss, L	2521	10	12 50
Swain, Ann T	2649 2648 2547		
	2046 2645	35	43 75
Sherwood, George E	2667	10	12 50
Smith, W	2690	5	6 25
Smith, E	2869 2868 2867 2866		
2855 2858 2879 2878 2877			
2874 2872 2870 2885 2884			
2883 2882 2881 2880		230	287 50
Swain, R R	2900 2899	50	62 50
Sparrow, S J	2901	20	25 00
Tobin, M E	652	10	12 50
Taft, James	1-97	10	12 50
Taylor, John F	1527 1201	20	25 00
Turner, A J	1445	2½	3 12
Tracy, T F	1065	10	12 50
Treat, Mrs M H	1539	26	32 50
Teitman, A C	2753 2752 2751		
2750 2286 2898 2771 2754		149	186 25
Travers, M	2827 28-6 2817	80	100 00
Travis, G W	2562	10	12 50
Taylor, Oliver	2892 2890	15	18 75
Vroom, P G	2355 1186 1191 7-9	40	50 00
Van Pelt, P	10.C 1008	16	20 00
Van Dewater, W H	2064	5	6 25
Wright, Henry C	180 176	30	37 50
Williams, Abner	1306 976 975	30	37 50
Winter, H A	222 217	10	12 50
Weller, S B	1216	3	3 75
Weller, E	1434	10	12 50
Wetherbee, C H	1459 1413 725	42	52 50
Wetherbee, C H & Isaac Cook	811	5	6 25
Willcutt, James	856	10	12 50
White & Bauer	1045	2	2 50
Werthy, E	1475 1091	5	6 25
Winter, Daniel	1113	10	12 50
Wilson, N I	1259	5	6 25
Wilkins, Mrs F A	1649	10	12 50
Wright, Susan	1725 10	-	12 50
Worthley, T R	2010	5	6 25
Warner, Ab'm	2666	10	12 50
Wood, H H	2673	5	6 25
Wiedsor, Wm	2801 2786 2778		
2777 2774 2-38 2837 2836			
2834 2833 28-2 2804 2802		255	831 25
Wilson, L	2815	50	62 50
Zoller, John A	2642	10	12 50

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., 327 Montgomery street, San Francisco, on the 21st day of November, 1864, at 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

V. B. POST, Secretary.

Office, Room 15 northeast corner Montgomery and Jackson streets, San Francisco, 19-3t

Caledonia Tunnel and Mining Company, Gold Hill District, Nevada Territory. Office, No. 8 & 10, Government House, corner Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Caledonia Tunnel and Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 14th, 1864, at 2 o'clock P. M. of that day.

16-5 J. M. BUFFINGTON, Secretary.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Nevada Territory. Office, Nos. 8 & 10 Government House, corner of Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annaal Meeting of the Stockholders of the Crown Point Ravine Gold and Silver Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 21st, 1864, at 2 o'clock P. M. of that day.

oct29-18-td J. M. BUFFINGTON, Secretary.

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Territory of Nevada; office, corner of Washington and Sansome streets San Francisco.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 28th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Sarah V N Lovett	41	6	$30 00
David C Lee	86	6	30 00
D Lachman	75 75 77 78 79-ea	10	250 00
D Lachman	80	8	40 00
D Lachman	81 82 83 84-ea	5 20	100 00
Isaac Livingston	39	5	25 00
Isaac Livingston	40	2	10 00
J H Muller	74	2	10 00
J H Marston	412	12	50 00
M O'Brien	34	2	10 00
Chas Patton	393	12½	62 50
W J Prince	72	6	30 00
John Pendleman	87	10	50 00
Jas B Richardson	88	5	25 00
A S Stacy	71	6	30 00
J A Wright	90	16	80 00

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on the 16th day of November, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

oct29-18 J. M. BUFFINGTON, Secretary.

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment (No. 4) of twenty-five cents per share was levied upon the capital stock of said Company, payable on or before the 28th day of November, 1864, in United States Gold and Silver Coin, to the Secretary, at the office of the company in San Francisco, or to HENRY MORRIS, in Markleeville. [*Delinquents will be held for accruing costs after the 28th of November.*]

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [19-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment of $1 per share was levied upon the Capital Stock of said Company, payable on the 5th day of November, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 3d day of December, 1864 will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco.

nov5-19-4

Keokuk Gold, Silver and Copper Mining Company. Location, Clayton Mining District, Contra Costa County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
F F Carrique	60	20	$2 50
J R Thompson	332	25	2 50
D C Peterson	340	25	2 50
D C Peterson	341	25	2 50
G S Harmon	364	50	5 00
G S Harmon	365	50	5 00
Geo F Sharp	425	200	20 00
B M Hartshorn	not issued	200	20 00
John Fricker	375	45	4 50
John Fricker	432	10	1 00
Hinckley & Co.	382	40	4 00
A F Hinchman	213	60	6 00
A F Hinchman	225	50	5 00
A F Hinchman	236	50	5 00
E Beat	502	25	2 50
G W Peterson	505	500	50 00
J Leavitt	217	50	6 00
J Leavitt	218	50	6 00
Michael Butler	319	50	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. B. WINEGAR, Secretary.

Office, No. 22 Front Street, San Francisco. 19-3t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of November, 1864, an assessment of $5 per share was levied upon the assessable capital stock of said company, payable immediately in United States Coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-5

La Libertad Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 26th day of July, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 3d day of September, 1864, in United States Gold and Silver Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. 17-4t

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, R W	not issued	15	$7 50
Byam, H S	6 22	32	16 00
Carlisle, H B J, estate,	not iss'd	22 2-3	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fido, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harucy, C	not issued	125	62 50
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 76 77		80	40 00
Payne, S S	9	5	2 50
Richardson, S	19 20	20	10 00
Tanner, O	6 2	1	1 00
Whitton, M S	bal	7½	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Wyson, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many, shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. [14

POSTPONEMENT.—The above sale is postponed until Monday, December 5th, 1864, at the same hour and place. By order of the Board of Trustees.

17-6 J. WARREN CLARK, Secretary.

Napa Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an Assessment of thirty (30) cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of October, 1864, in United States gold and silver coin to the Secretary, or to S. A. HAWKINS, Superintendent, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 3d day of December, 1864, to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco. Sale at the office of the company, at 1 o'clock P. M 17-4

Owens River Canal Company.—Annual Meeting.

Notice is hereby given, that the regular Annual Meeting of the Owens River Canal Company, for the election of officers for the ensuing year, and the transaction of any other business that may come before the meeting, will be held at the Office of the Company, Room No. 2, second floor, No. 302 Montgomery street, corner Pine, at 7½ o'clock, in the evening of Saturday, the 28th day of November next.

T. L. BIBBINS, Secretary.

San Francisco, Oct. 25th, 1864. 18-td

Ontario Mining Company, Little Miami Ledge,

Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. Cramer, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets San Francisco, Cal. 19-4t

Puima Silver Mining Company, District of Ures, Sonora, Mexico.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W. F. Leland	167	35	$8 75
Sarah J Wyman	28	5	1 25
B B Phillips		20	1 25
J H Stone		20	5 00
George Sawyer	51	10	2 50
Leonard Noyes	35	10	2 50
Ellen M Burns	75	10	2 50
A Chrisler	91	10	2 50
S B Watson	84	10	2 50
Mrs C McDougall	17	25	6 25
J W Sargent	33 to 40	60	15 00
Geo K Phillips	149	15	3 75
Lewis Whiting	163	1	25
A J Ralston	166	15	3 75
Elmira C Hogden	88	5	1 25
Edward Tompkins	10	100	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

CEO. L. FAULKNER, Secretary.

Office, No. 411 Clay street, San Francisco. oct29-18

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kauli	3	33 1-3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2-3	80
Estate of J J Todd	10	16 2-3	50
C A Purrington	11	16 2-3	50
R G Jacobs	32, 137	39 1-3	119
J J Corrigan	153	31	93
J F Dorland	80	8 1-3	25
F G Norman	92, 170	14 2-3	44
Chas E Drownell	118, 130, 140	15 2-3	47
Miss M A Philips	54, 55, 56, 66		
	67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2-3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1-2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	152	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palache	99, 100, 145	29 2-3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moora	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
E G Mathews	182, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1-3	25
S C Peck	123	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Suhlett	169	2	6
W H Daxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Postponement.—Tha above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Rose Gold Mining Company, Mariposa County, California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of September, 1864, the several amounts set opposite tha names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J H Terwilliger	balance 29	66	$16 50
Hill Hope	26	625	312 50
C E Fraser	14	625	312 50
Joseph White	32	200	100 00
J Vanderhoof	balance 34	67	16 75

And in accordance with law and an order of the Board of Trustees, made on the 26th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Cobb & Sinton, 406 Montgomery street, San Francisco, on the 7th November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of the sale.

A. BUETELL, Secretary.

Office, 205 Battery street, and corner of California street, San Francisco. oct 29-18

Postponement.—The above sale is hereby postponed until Thursday, the 17th day of November, 1864. By order of the Board of Trustees. A. BUETELL, Secretary.

Removal.—The office of the above named Company has been removed to No. 624 Market Street, San Francisco. 19-2

Rose Matilda Mining Company, Charter Oak Mining Company, North Star Mining Company, Diamond Mining Company, Santa Catalina Island.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 13th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

ROSE MATILDA MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	40	64	$13 60
O D Baldwin	42	32	6 80
A Dodge	11 19	5 ea	2 00
A Dodge	22 24 26	10 ea	6 00
A Dodge	27	11	2 20
A Dodge	108	70	15 20
W Diggins	not issued	136	27 20
Mrs A Hewett	93	10	2 00
P Ide	75	145	25 00
C Rhine	41	34	6 80
P Rogers	116	5	1 00
N A Tyler	72	5	1 00
Jos Taylor	118	25	5 00
E H Wood	117	15	3 00

CHARTER OAK MINING COMPANY.

Names.	No. Certificate.	No Shares.	Amount.
C F Briggs	32	48	$9 60
O D Baldwin	34	24	4 80
A Dodge	12 17	5 ea	2 00
A Dodge	18	6	1 20
A Dodge	92	41	8 20
W Diggins	not issued	96	19 20
Mrs A Hewett	78	5	1 00
P Ide	61	91	18 20
C Rhine	33	24	4 80
P Rogers	98	5	1 00
N A Tyler	58	5	1 00
Jos Taylor	101	25	5 00

NORTH STAR MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	59	72	$14 40
O D Baldwin	41	36	7 20
A Dodge	12 10 21	10 ea	8 00
A Dodge	17	5	1 00
A Dodge	24	14	2 80
A Dodge	105	64	12 80
A Dodge	not issued	5	1 00
W Diggins	not issued	144	28 80
Z Floyd	42	144	28 80
John Hill	44 45 46	10 ea	6 00
John Hill	47	14	2 80
John Hill	48 49	50 ea	20 00
C Rhine	40	30	7 20
P Rogers	110	5	1 00
N A Tyler	71	5	1 00
Jos Taylor	113	25	5 00

DIAMOND MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
C F Briggs	29	44	$8 80
O D Baldwin	31	22	4 40
A Dodge	10	5	1 00
A Dodge	16	10	2 00
A Dodge	17	10	2 60
A Dodge	81	38	7 60
W Diggins	not issued	88	17 60
Z Floyd	32	88	17 60
John Hill	34	8	1 60
John Hill	35	10	2 00
John Hill	36	20	4 00
John Hill	37	50	10 00
Mrs A Hewett	70	5	1 00
C Rhino	30	22	4 40
P Rogers	88	5	1 00
N A Tyler	52	5	1 00
Jos Taylor	89	25	5 00

And in accordance with law, and an order of the Board of Trustees made on the 17th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the office of the Secretary, on the 12th day of November, 1864, at hour of 12 o'clock, M. of said day, to pay said delinquent assessmenls thereon, together with costs of advertising and expenses of the sale.

A. G. WOOD, Secretary.

Office, 240 Montgomery street, S. E. corner of Pine.

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz Coanty, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of October, 1864, an assessment (No. 9) of twelve and a half (12½) cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at his office, No. 53 Montgomery Block, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 2d day of Decembar, 1864, will be advertised as delinquent on Saturday, the 3d day of December, 1864, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessmeat thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. FELL, Secretary.

Office, No. 53 Montgomery Block. nov5-19-4

Scott Mining and Exploring Company, Humboldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 28th day of September, 1864, tha several amounts set opposite the names of the respectiva shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
G Drouaiictte	24	50	$16 67
L Carter	179	10	3 33
Emmely Morehouse	156	5	1 67
P Mathison	158	10	3 33
Steve A Rendell	176	10	3 33
Steve A Rendell	160	5	1 67
C C Farmer	177	5	1 67

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomry street, San Francisco, on the 23d day of November, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. nov5-19-3

Simpson & Roscelle Mining Company—Mines Located in Carson Valley Mining District.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Anderson, J B	217	10	$3 00
Bodell, M B	222	5	1 50
Bedell, B N	223	10	3 00
Bowker, C C	184	10	3 00
Boyle, Peter	153	10	3 00
Datenian, A L S	133	10	3 00
Bonney, O	30 ..1-ea 25	50	15 00
Bonney, O	32 34-ea 10	20	6 00
Donney, O	190	8	2 40
Donney, O	210	5	1 50
Chevallier, I. E	167	5	1 50
Chevallier, Margaret	134	3	90
Cagwin, H A	189	5	1 50
Cornwall, J	304	5	1 50
Curtis, Tyler	307	10	3 00
Cook H	338	10	3 00
Carrean, G 354 355 356	357-ea 5	20	6 00
DeGrove, H W	46 47-ea 50	100	30 00
DeGrove, H W	48 49-ea 25	50	15 00
DeGrove, H W	52 54-ea 10	20	6 00
DeGrove, H W	315	5	1 50
Driver, A T	312	5	1 50
English, James	248	5	1 50
Echlin, J A	275	10	3 00
Fischer, Theodore	271	5	1 50
Fischer, Theodore	273	10	3 00
Fulton, John	270	5	1 50
Goff, Hannah J	278	5	1 50
Goff & Robinson 280 to 285 inc-ea	5	30	9 00
Goff & Robinson	287 288-ea	5	15	4 50
Goff & Robinson 291 292 294	295	20	6 00
Goulit, T H	300	10	3 00
Hartwell, C N 148 149 150		15	4 50
Hudson, John G	183 297-ea 5	10	4 50
Hogle, G T	237	10	3 00
Harter, D	270	15	4 50
Heintze, Sedonia	272	5	1 50
Ivens, C H	209	10	3 00
Jackson, Wm T	159	7	2 10
Jackson, Wm T	166	5	1 50
Johnson, J G	194	5	1 50
Jackson, Wm	308	15	4 50
Keith, Wm H	127	10	3 00
Knowles, J W	247	10	3 00
Kincaid, R	316	5	1 50
Keith, A H	344	10	3 00
Lampman, Charles	360	20	6 00
Lambert, Henry	151	3	90
McKillican, D R	107	50	15 00
McKillican, D R	121	5	1 50
Manley, B	136	10	3 00
Manley, B	137	5	1 50
Murray, James	156	10	3 00
McConkey, S	274	5	1 50
Moore, Charles	300	10	3 00
Magee, T W	3 7	5	1 50
Maxwell, A	329	5	1 50
Menot, Baptist	337	10	3 00
Organ, Thos	206	5	1 50
Osgood, C H	330	10	3 00
Osgood, C H	331	15	4 50
Pearson, R C	265	10	3 00
Perry, Chester	296	5	1 50
Perry, Anson	297	5	1 50
Paine, Moses	310	5	1 50
Peltier, Andra	358	5	1 50
Rogers, J H	195 196-ea 20	40	12 00
Rogers, J H	197	30	9 00
Richber, C	343	5	1 50
Simpson, E	73 75-ea 100	200	60 00
Simpson, E 239 240 241 243	244-ea 5	25	7 50
Simpson, E	245	10	3 00
Simpson, E	240	11	3 30
Simpson E	317	5	1 50
Simpson, E	321 320-ea 10	20	6 00
Simpson, E	323	25	7 50
Stiles, A L	193	5	1 50
Seely J	238	10	3 00
Sigsbee, J L	302	5	1 50
Spear, Asa	303	5	1 50
Severance, James	328	5	1 50
Smith, J T	334	5	1 50
Shaw, G H	335	20	6 00
Timson, Wm	234	5	1 50
Taggard, J A	277	10	3 00
Van Every, A J	1	50	15 00
Van Every, A J	278	5	1 50
Wright, Nellie B	173	5	1 50
Weiland, F	214	10	3 00
Watkins, J T	359	10	3 00

And in accordance with law, and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 14th day of November, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

T. L. BIBBINS, Secretary.

Office, No. 302 Montgomery street, San Francisco. [18

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Companies, held on the 19th day of September, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Companies, payable on the First day of October, 1864, in United States gold or silver coin to the Secretary, at the office of said companies, or to Jonn Moffet, Superintendent, at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday the 29th day of October, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 19th day of November, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. September 20th, 1864. 13-4t

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Tuesday, November, 8th, 1864. By order of the Board of Trustees.

18 L. C. DODGE, Secretary.

Postponement.—The advertisement of delinquent stock on the above assessment, is postponed until Saturday, the 19th day of November, 1864, and the sale thereof is postponed until Monday, December 5th, 1864. By order of the Board of Trustees. 19 L. C. DODGE, Secretary.

Steamboat Silver Mining Company, Star District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 18th day of October, 1864, in United States gold coin, to the Secretary, or to Jas. S. Maclean, Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTNAM, Secretary.

Office, Northeast corner Jackson and Front streets, San Francisco. 17-4

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday the 26th day of November, 1864, and the sale thereof until Monday, the 12th day of December, 1864. By order of the Board of Trustees.

19 S. O. PUTNAM, Secretary.

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of November, 1864, an assessment of $2.50 per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-4

United States Mining Company, Virginia District, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 30th day of September, 1864, the several amounts set opposite the namca of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Helen E Ambrose	635	2	$2 00
John F Alexander	198	10	10 00
A I Burke		2	2 00
J L Dennett	62 63 64 65		
	66 67-ea 5	30	30 00
J G Dloomer	14	50	50 00
J G Bloomer	15 15-ea 25	50	50 00
J G Bloomer 17 18 19	20 21-ea 10	50	50 00
J G Bloomer 22 23 24	25 27-ea 5	25	85 00
J W Brooks	71 72-ea 5	10	10 00
Joseph Coulter	146	3	3 00
S M Collins	232 233-ea 10	20	20 00
John S Collins	234	20	20 00
J Case	2 9	5	5 00
A H L Dias	11	5	5 00
Wm Feil	441	10	10 00
C G Funk	554 556 557-ea 10	30	30 00
M Foley	200 201 202-ea 10	30	30 00
C H Fisher	248	8	8 00
C B Goodrich	69	4	4 00
J G Gentry	147	1	1 00
David Hunter	319	10	10 00
Conrad Hutz	29 30 31-ea 10	30	30 00
James Hughes	91	8	8 00
Josiah Heacock	56	2	2 00
G W Hardy	171	1	1 00
W H Hardy	172	1	1 00
J H Knapp	393	4	4 00
J H Knapp	394 395-ea 2	4	4 00
W B Knox	383 394 395-ea 10	30	30 00
A C Knox	74	2	2 00
John Keyes	162	5	5 00
Fred A Korn	41 42-ea 5	10	10 00
Fred A Korn	43	2	2 00
W D Knox	214	10	10 00
Runice Lockwood	396 397-ea 2	4	4 00
Frank Long	70	4	4 00
C H Lounsberry	145	20	20 00
D Lachman	250	8	8 00
F A Marston	211	10	10 00
D J Monroe		15	15 00
R A Merrill	370 371 541-ea 10	30	30 00
W J Miller	376	10	10 00
W J Miller	377	20	20 00
J H Muller	36 37 38-ea 5	15	15 00
D W Miller	178	3	3 00
Wm Murdock	210	2	2 00
Jas McDrido	92	7	7 00
Eli McCarty	197	2	2 00
Henry Nutt	220	20	20 00
J W North		10	10 00
Wm Neely	61	5	5 00
D J Perkey		10	10 00
Porter & Collins 54 55 56	57-ea 10	40	40 00
G W Prescott, Jr	570 571-ea 1	2	2 00
G W Prescott, Sr	9 10-ea 8	16	16 00
E J Parker	75	4	4 00
J M Pollard	95	2	2 00
John Prince	131	20	20 00
John Penniman	179	5	5 00
I. D Roe		30	30 00
E C Sessions		40	40 00
J B Sutherland	399	4	4 00
J B Sutherland	400 401-ea 2	4	4 00
Simon Schlewecks	27	4	4 00
Simon Schlewecks	28	2	2 00
J W Scott	73	3	3 00
Joseph Swift	206	10	10 00
R Schnores	44 45-ea 25	50	50 00
E Schnores	47 48 49-ea 10	30	30 00
Peter Taylor	76 77-ea 5	10	10 00
Wm Truesdale	78 79-ea 5	10	10 00
C Walker	225 226-ea 6	12	12 00
C Walker	355	30	30 00
C Walker	600	35	35 00
G A Weed 5 6 7	8-ea 10	40	40 00
T K Wallis	12	2	2 00
R S Weight	80	2	2 00
Crayton Winton	242	50	50 00
Crayton Winton	243	10	10 00

And in accordance with law and an order of the Board of Trustees, made on the 30th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 16th day of November, 1864, at tha hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Covernment House, corner Washington and Sansomo Streets, San Francisco, Cal. oct29-18

Wilson Copper Mining Company, Gardea Bar District, Placer County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 31st day of October, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 1st day of November, 1864, in United States gold and silver coin, to Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco. nov5-19-4

A NEW LOCOMOTIVE.—The Nevada *Gazette* says that Mr. L. Shankland, of Montezuma Hill, in Nevada county, has just completed a working model of a new locomotive which he claims will drive a train of cars up an incline of 1000 feet to the mile. Mr. Shankland has been at work upon the machine for several years and has just brought it to perfection.

INFINITE toil would not enable you to sweep away a mist, but by ascending a little you may often overlook it altogether. So it is with our moral improvement; we wrestle fiercely with a vicious habit, which would have no hold on us if we ascend to a higher moral atmosphere. It is by adding to our good purposes, and nourishing the affections which are rightly placed that we shall be able to combat the bad ones,

THE NEW BRIDGE which is to span the Ohio river between Cincinnati and Covington will cost $1,500,000, and in length will exceed the Niagara bridge some feet. It will be suspended ninety feet above high water, enabling the largest steamers to pass under without difficulty.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with a general report of the Executive Committee, will appear in due time.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.
Office, 11 Government House, corner Washington and Sansome streets, San Francisco.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be witheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enabled to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analogous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on prosenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, prosecuting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new forms of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 years and 6 months	$10
On every application for a design, for seven years	15
On every application for a design, for fourteen years	30
On every caveat	10
On every application for a patent	15
On issuing each original patent	20
On filing a disclaimer	10
On every application for a re-issue	30
On every additional patent granted on a re-issue	30
On every application for an extension	50
On the grant of every extension	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C.	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges an appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,
Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

BY AUTHORITY OF THE STATE OF CALIFORNIA.

Having fully complied with the law by a deposit of $525,000 bonds of the State of California and the United States

BIGELOW & BROTHER,

GENERAL INSURANCE AGENTS,

FIRE, MARINE AND LIFE INSURANCE,

Capital Represented.....$15,000,000.

California Deposit..... $525,000.

Office Northwest corner Sacramento and Montgomery streets, and Northwest corner Front and California streets.

LIFE, MARINE AND FIRE COMPANIES,

HARTFORD FIRE INSURANCE COMPANY, Assets	$1,500,000
HOME INSURANCE COMPANY, of New York, Assets	3,400,000
SECURITY INSURANCE COMPANY, of New York, Assets	2,000,000
PHŒNIX INSURANCE COMPANY, of New York, Assets	1,000,000
ARCTIC INSURANCE COMPANY, of New York, Assets	600,000
WASHINGTON INSURANCE COMPANY, of New York, Assets	600,000
CONNECTICUT MUTUAL LIFE INSURANCE COMPANY, of Hartford, Conn.	

Policies issued on Freights, Cargoes, and Treasure, from and to All Parts of the World. Voyage War Risks taken on Hulls.

Fire Insurance Policies issued on all kinds of Insurable Property in the Country or City. Losses Payable in Gold Coin of the United States.

We represent the Oldest and Best Companies in the United States, and offer as favorable terms as any agency on this Coast.

Losses paid immediately on adjustment.

BIGELOW & BROTHER,

17 6m General Agents.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS.]

Industrial Drawing Academy.

No. 408 Pine Street, near Montgomery.

Open for pupils every Evening from 7 to 10 P. M. Architectural and Mechanical Drawing classes now forming. Parties wishing Drawings executed by practical Draughtsmen in either of those branches may have it done by calling at the Academy.

12-3m P. BELLE.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,
Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.

Manufacturer of Brass, Zinc, and Anti-Friction or

Babbet Metal Castings:
CHURCH AND STEAMBOAT
BELLS,
TAVERN AND HAND BELLS AND GANGS,

FIRE ENGINES, FORCE AND LIFT PUMPS,

Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,

HYDRAULIC PIPES AND NOZZELS

For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."

☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

BRANDRETH'S PILLS.

This Medicine often Cures when all others have failed. They prevent Apoplexy; they Cure Diseases of the Heart and Nervous Diseases, and as a

Purgative and Bilious Pill,

They have not their equal in the World. Employed according to directions, accompanying every box of new style, they produce

Great Purity of the Blood and the System Generally,

Causing only the removal of vitiated matters which have become useless or injurious, and securing in the reconstruction of diseased parts of nothing but sound and healthy materials.

BY THE USE OF BRANDRETH'S PILLS

OCCASION

The Actual Decrease of the PRINCIPLE OF DEATH, and an Increase of the Vivifying, the Life Principle.

B. BRANDRETH,
294 Canal Street, New York.

W. F. BRANDRETH,
Office at Crane & Brigham's, San Francisco.

By sending $1 in coin to the above address, five boxes of pills will be sent to any part of this coast or the Interior, Free of charge. 16-3m4c8p

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS, And Patent Solicitors. | SAN FRANCISCO, SATURDAY, NOVEMBER 19, 1864. | VOLUME IX. Number 21.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE
Ashland, Arizona, 50c	Dec 17—Jan 3*
Arizona Cons., 20c	Nov 19—Dec 3*
Amador Cons., Lander co., $4	Nov 21—Dec 6
Antelope, Esmeralda, $25	Dec 6—Dec 26
Arroyo de los Gatos, 10c	Dec 10—Jan 10
Ariatic, Flowery, $1	Dec 10—Dec 27
Arbitrios, Chihuahua, $2	Dec 10—Dec 24
Alameda Coal, $1	Nov 2—Nov 19
Alemania, San Antonio, $1	Dec 9—Dec 19*
Blue Ledge, Kelsey, $1.25	Nov 5—Nov 21*
Blue Ledge	Removal*
Bay State, Turnback, 25c	Dec 10—Dec 27*
Bella Vista, Cuscalillas, 65c	Dec 17—Dec 31*
Bella Vista	Annual Meeting Dec 1
Butte, Humboldt, $1	Nov 7— Nov 19
Bajazett & Golden Era Cons., $5	Salo Nov 19 Virginia
Big Canon, Tuolumne co., $3	Nov 9—Nov 22
Baja California, San Antonio 25c	Nov 9—Nov 21
Baltic, Virginia, $10	Levied Oct 12
Buckeye, D. G., $3	Nov 21—Dec 3
Boston Copper, El Dorado co., 50c	Nov 29—Dec 13
Burlington, Napa, 50c	Dec 12—Dec 25
Big Blue Lead, Cove, $2	Dec 5—Dec 17
Colorado, Arizona	Annual Meeting Dec 26*
Crown Point Ravine	Annual Meeting Nov 21*
Caledonia T. & M	Annual Meeting Nov 14*
Crown Point Ravine, Gold Hill, $5	Oct 29—Nov 16*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Cortez, Lander co., $1	Nov 7—Nov 22
Chicago & Detroit, Amador co., $1	Nov 19—Dec 3
Calaveras Iron Mountain Copper	Annual Meeting Nov 21
Comstock, San Antonio, 60c	Adv Nov 12
Capitola, Santa Clara, 25c	Nov 14—Nov 26
Capitola	Special Meeting Nov 14 San Jose
California, Virginia, $12.50	Dec 7—Dec 22
Copp, Humboldt, $3	Nov 10—Nov 25
Coral, Amador Dis., 50c	Dec 6—Dec 17
Consolacion, Sinaloa, $1	Dec 10—Dec 23
Columbia, Tuolumne, $2	Dec 10—Dec 28
Chandler, Lyon co., 50c	Nov 25—Dec 7
Caledonia T. & M	Special Meeting Nov 21
Crown Lead, Mariposa, $1	Dec 19—Dec 31
Cinco Senores, Mexico, $2	Dec 21—Jan 9
Cordillera, Chihuahua, $1	Dec 14—Dec 24
Columbia	Special Meeting Dec 3
Del Norte Comstock, 45c	Dec 5—Dec 17
Diamond, Copper, Del Norte co., 75c	Oct 31—Nov 30
Dacota, R. R., $1	Nov 18—Dec 5
Dios Padre, Sonora, $3	Nov 12—Lec 12
Daney, Lyon co., $2	Dec 8—Dec 27
El Toro, Sinaloa, $2	Dec 17—Dec 31*
Evening Star, Humboldt	Annual Meeting Dec 3*
Emilia, Mexico., 25c	Dec 3—Dec 21
El Tesoro, Lower Cal., $4	Nov 15—Nov 30
El Taste, Mexico, $2.50	Dec 18—Dec 30
Eureka Cons., Arizona, 50c	Nov 10—Nov 26
El Dorado, Virginia, $2	Dec 5—Dec 21
Eureka Coal, Alameda, 20c	Nov 17—Dec 2
Empire T. & M., Humboldt, $2	Nov 29—Dec 17
Etban Allen, R. R., $1	Dec 5—Dec 19
Franco Americana, San Antonia, $1	Nov 23—Dec 9
Fairview, R. R., 50c	Nov 5—Nov 25
Good Hope, Alpine, 25c	Dec 3—Dec 17*
Gobernadora, Lower Cal., $1	Dec 5—Dec 17*
Green, Gold Hill, $1	Dec 16—Dec 31
Gov. Seymonr, R. R., $5	Nov 12—Nov 24
Green, San Bernardino, 75c	Nov 7—Nov 19
Guasaparis, Mexico, $25	Nov 4—Nov 25
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Great Central, Weaver, 25c	Nov 28—Dec 9
Germania Mina Prieta	Special Meeting Dec 9
Golden Ark, Mariposa, 10c	Dec 3—Dec 17
Great Western T. & M	Special Meeting Dec 10
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
Hale & Norcross, Virginia, $25	Dec 10—Dec 18
I X L, Alpine co., $3	Nov 25—Dec 9
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jewel, D. G., $1.50	Nov 10—Nov 22
Jewett, G. H., $1	Nov 26—Dec 13
Josephine	Annual Meeting Nov 21
Keokuk, Clayton 10c	Nov 5—Nov 19*
Reptucky Copper, Madame Felix, 50c	Nov 26—Dec 10
Kohler Brothers, San Antonio, $1	Nov 19—Dec 2
La Candelaria, San Dimas, $5	Dec 10—Dec 24*
La Libertad, Cacachilas, $1	Nov 19—Dec 3*
Las Churcas, $50	Nov 17—Nov 28
La Fermindez, Hermosillo, Mexico, $7	Dec 5—Dec 20
Las Cruzecitas, San Xavier, $6.25	Nov 14—Nov 26
London Quartz, Siskiyon	Nov 5—Nov 24
La Esperenza, Arizona, $5	Nov 5—Nov 21
Lady Bryan, Flowery, $5	Dec 6—Dec 20
La Blanca, Ures, $2.50	Dec 7—Dec 19
Lady Bell, Low Divide, 10c	Dec 19—Dec 30
La Palma, San Antonio, 50c	Dec 12—Dec 23
Mammoth, Silver Mountain, 50c	Sale Dec 5*
Monster Cons., 30c	Adv Nov 14
Mc Elroy, Lyon co., 50c	Nov 25—Dec 7
Meloues and Stanislaus, Calaveras co., $2 50	Nov 28—Dec 12
Musidora, San Antonio, 50c	Nov 26—Dec 10
Mina Prieta, Ures	Annual Meeting Dec 2
Musidora	Annual Meeting Nov 21
Noble Grand, Inyo, 10c	Nov 12—Nov 30*
Napa, Silver Mountain, 30c	Nov 19—Dec 5*
New Era, Cop., Tuolumne co., 25c	Dec 24—Jan 7*
Nuestra Senora de Guadaloupe, Mex. $5	Dec 7—Dec 22
North Potosi, Virginia, $12.50	Nov 22—Dec 10
Nacosari, Sonora, $1.50	Oct 29—Dec 1
New Hope, Lander co., $2	Oct 27—Nov 19
North Star, R. R., $1	Dec 12—Dec 23
Nevada, J. G., $10	Levied Oct 29
Oxford Beta, Esmeralda, 50c	De 10—Dec 28*
Ontario, R. R., 25c	Nov 19—Dec 3*
Open Sesame, Clayton, 50c	Nov 15—Dec 5
Ophir of the Colorado	Annual Meeting Nov 21
Palma, Sonora, 25c	Oct 29—Nov 19*
Pena Silver, Lower California, $3	Aug 20—Jan 31*
Peninsula, San Antonio, $10	Nov 11—Nov 22
Pride of the West, Silyer City, $3	Nov 7—Nov 21
Patrocinia & Dolores	Special Meeting Dec 12
Ruba, R. R., $1	Nov 12—Nov 30*
Real del Monte, Esmeralda	Sale Nov 21
Richland, R. R., $3	Nov 17—Nov 29
Rancheria, San Antonio, 50c	Nov 25—Dec 6
Richland	Annual Meeting Dec 5
Refugio, Chihuahua, $2.50	Dec 5—Dec 17
Rancheria	Special Meeting Dec 5
St. Clair Cons., R. R., $1	Dec 17—Dec 31*
Silver Prize, Silver Mountain, 15c	Dec 17—Dec 31*
Salamander	Special Meeting Nov 21*
Stars & Stripes, 10c	Nov 12—Nov 26*
Santa Cruz, Petroleum, 12½c	Dec 3—Dec 17*
Steamboat, Star, $1	Nov 19—Dec 5*
Scott Mining & Exp., Humboldt co., 33⅓	Nov 8—Nov 2.*
Sisters & Augusta, Lander co., 15c	Adv Nov 8*
Stanislaus Copper, 50c	Nov 16—Dec 2
San Lorenzo, Santa Cruz, 50c	Oec 17—Jan 2
Santa Rosa de Ures, Mex., 50c	Nov 8—Nov 26
San Carlos Ex. & M., Inyo, $2	Nov 9—Nov 24
Sierra Valley, Plumas co., $1	Dec 10—Dec 24
Superior, copper, Plumas, 75c	Nov 19—Dec 6
Stephen A. Douglas, R. R., $1.50	Dec.8—Dec 23
Sides	Special Meeting Nov 21 Virginia
Southern Light, R. R., $5	Sale Nov 25
Stephen A Douglas	Annual Meeting Dec 6
Santiago	Annual Meeting Nov 22
Sweet Vengeance	Quarterly Eeeting Dec 19
Star of Empire, Mariposa, 10c	Dec 2—Dec 10
Tallniah, Sierra, $2.50	Dec 10—Dec 24*
Table Mountain Copper, Calaveras co., $1.25	Dec 3—Dec 22
Troy, R. R., $4	Nov 21—Dec 3
Tellurium, Amador co., $1	Nov 2—Nov 26
Tuscarau, R. R., 50c	Dec 17—Jan 5
Tresoro & James River Cons., R. R., $4.50	Dec 3—Dec 19
Utah, $12.50	Dec 11—Dec 29
Union Copper No. 2	Annual Meeting Nov 19
Wilson, Garden Bar, 50c	Dec 3—Dec 17*
White & Murphy, Virginia, $4.50	Nov 10—Nov 25
Whitlatch, R. R., $5	Dec 16—Dec 28
Yankee Blade, R. R., $5	Nov 25—Dec 13

*Those marked with an asterisk (*) are advertised in this journal.

ASSESSMENT AND SALE LIST

OF CLAIMS IN

VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	*Date of Levy.*	*Ass't per foot.*
Crystal Peak W. D, M, L and M Co.	Nov 13	5 00
Daniel Webster	Oct 15	50
Hall	Nov 5	1 00
Hawkeye Original	Oct 22	2 50
Utah	Nov 12	3 00

Delinquent Sales.

Name of Company.	*Date of Sale.*	*Place of Sale.*
American Basin	Dec 10	Virginia
Branch Mint	Dec 3	Virginia
Cresus	Nov 23	Virginia
Croesus	Dec 14	Virginia
Dayton	Nov 21	Virginia
Daniel Low Coal Co	Dec 10	Virginia
Granada	Nov 26	Virginia
German	Dec 10	Virginia
Hawkeye Original	Nov 23	Gold Hill
Hall	Dec 5	Virginia
Kentucky	Dec 10	Gold Hill
La Plata Oro	Dec 3	Virginia
Milton	Dec 3	Virginia
Michigan	Dec 3	Gold Hill
Mary Ann	Nov 28	Gold Hill
Midas	Nov 25	Gold Hill
New Orleans	Dec 10	Virginia
Ponce de Leon	Nov 22	Virginia
Sunrise	Nov 21	Gold Hill
Uncle Sam	Nov 21	Virginia

San Francisco Jobbing Prices Current.

Flour, extra, ₱ bbl	12 00 @12 50
Do Superfine	11 00 @11 50
Corn Meal, ₱ 100 lb	4 00 @ 4 50
Wheat, ₱ 100 lb	4 00 @ 4 25
Oats, choice, ₱ 100 lb	3 15 @ 3 25
Barley, ₱ 100 lb	3 75 @ 3 80
Beans, ₱ lb	3 @ 4
Potatoes	2½@ 4
Hay, ₱ ton	35 00 @40 00
Live Oak Wood, ₱ cord	8 00 @ 0 00
Beef, on foot, ₱ lb	1 @ 4
Beef, extra, dressed, ₱ lb	2 @ 7
Sheep, on foot, ₱ lb	1½@ 2
Hogs, on foot, ₱ lb	4 @ 6
Hogs, dressed, ₱ lb	8 @ 9¼
Groceries, Etc.	
Sugar, crushed, ₱ lb	17½@ 18
Do China	12½@ 13
Coffee, Costa Rica, ₱ lb	23 @
Do Rio	21 @
Tea, Japan, ₱ lb	70 @ 72½
Do Green	50 @ 85
Hawaiian Rice, ₱ lb	12½@ 14
China do	8 @ 9½
Coal Oil, ₱ gal	55 @ 75
Candles, ₱ lb	18 @ 22
Ranch Butter, ₱ lb	50 @ 75
Isthmus do	35 @ 40
Cheese, California, ₱ lb	20 @ 25
Eggs, ₱ doz	75 @ 80
Lard, ₱ lb	18 @ 19
Ham and Bacon, ₱ lb	15 @ 19
Shoulders	10 @ 12

EASTERN FINANCES.

The Steamer Constitution, from Panama, places us in the receipt of Eastern mail advices to the 24th ult., at which date trade was begining to show some indications of improvement in New York and Boston. The new and important staple of petroleum had become a leading item of export, and shipments of gold abroad were also increasing. The latter was supposed to be owing to financial derangements in England and the falling off in shipments of breastuffs from New York. Money on Wall street had been in good supply and payments on the new $40,000,000 loan were being made without any difficulty. The first installment was payable one half cash and one half in one year certificates.

The import entries at New York, exclusive of foreign specie from January 1st to Oct. 20th, amounted to $181.000,000, showing an increase of some $35,000,000 as against same period of last year. The export clearanees of domestic produco and miscellaneous goods including foreign articles exported from the 1st of January to the 18th of October, amounted to (in currency). $180,000 000 against $142,000,000, same time last year. Exports of gold and silver from New York from the 1st of January to 22d October, amouuted to $36,000,000, as against $38,600,000 for a like period in 1863.

BULLION.—For the week ending November 12th, over four tons of bullion were shipped from Virginia City, worth, according to assay, $223,087.70.

HANSBROW AND REDDING'S HYDRAULIC ENGINE.—Arrangements are heing made to put one of these engines in operation, in Humboldt County, Nevada.

[Written for the Mining and Scientific Press.]

THE MINES OF THE SIERRA NEVADAS.

EDS. PRESS :—There appeared in the PRESS of July 16th a eommunication by Pundit, purporting to be a reply to "F. A. H." For the relief of "Pundit" I will venture the opinion that the great system of true fissure lodes, destined to eclipse all past mining experienee, existing at or near the western hase of the Sierra Nevada mountains, is already being prospected and successfully worked, too, at Brown's Valley and other points along the range. Notwithstanding he so confidently asserts that "fluids and solids expand but a fraetion of their respeetive bulks before being volatilized," the writer respectfully submits that he still must consider it an open question. I am eompelled to pass over his "reply" without further notice, as I will not be so irrelevant as to offer a reply to his shallow attempt at wit. He should at least show some respect for the snbject under discussion, even if he has none for the writer. In the meanwhile, if "Pundit" knows any facts at variance with the theory of the igneous formation of metallic veins, he will more uearly meet the requirements of fair diseussion by presenting them.

Are metal bearing veins of igneons origin? In considering this question I shall first attempt to show that the solid earth is the product of the ignition and combustion of the elements of which it is composed. "In the heginning God created the heavens and the earth; and the earth was without form and void. And *darkness was upon the face of the earth;* and the spirit of God moved upon the face of the waters; and God said *let there be light*, and there was light."

In the language of that great astronomer, the lameuted O. M. Mitchell, "it must be allowed that the further we advance, the deeper we penetrate the arcana of nature, the more emphatically does it declare the probability of the truth of the nebular cosmogony of the universe. How could this earth have been without *form* and *void*, if it had been already fashioned as a globe? How could it be void if its solid rocks already rihhed its sides, and its huge mountain ranges lifted their barriers to the clouds? The earth was without form and void. The matter for its future formation existed, but as yet no fashioning had been accomplished—all was without form. Primordial atoms filled the deep profound. God was the mighty center; Infinitude alone could the tell houndary. And darkness was upon the face of the deep; what deep? Surely not the ocean, for as yet there was none. It was the great deep of unfathomabls space; a deep so profound that uo line could fathom its profundities, no eye but God's could penetrate its dark domain." To-day the earth exists as a vast globe of solid matter, yet in the beginning the great Author of all things assures us that the earth was without form and void—in other words, matter existed in its elemeutary or gaseous state. It is a most significant fact that all solid matter may he expanded into invisible gas, through the agency of its imponderable properties—light, heat and electricity. When matter existed in its elementary state, darkness was upon the face of the deep. All the light and heat that has radiated into spacs from the beginning, was there latent in

combination with matter. Electricity, being a property of matter, was also latent; yet, unlike caloric, on being liberated, it is attracted by matter with a force varying inversely as the square of the distance. The absorption of the exact quantity of caloric and electricity that has been liberated from the beginning, by the matter of which our earth is composed, would again render it gaseous. The density of the sun, the only self-luminous body, whose specific gravity has been ascertained, is 1.4186—that of the earth being 5.6747. Just the amount of heat that would expand the earth to the density of the sun would render it self-luminous. The interior heat of the earth and the igneous rocks that form so large a portion of its crust indicate that it is an extinct sun. It is still a self-luminous body in our own era, and differs from the sun only in degree. At a late eruption of Mauna Loa the light emitted was such as to turn night into day, over a large area. It is easy to imagine the effect, supposing the earth were filled with volcanoes, and its interior heat was such as to sustain them constantly in action.

The earth is found to be composed of something over sixty elements, which, in the beginning, the Almighty declares were without form and void, and, according to known laws, these gases were mechanically mixed and equally diffused throughout space. When the elements chemically combined to form solid matter would the evolution of light and heat be the result? In considering this question I shall arrange and present a train of facts that are familiar to every student of chemistry. Oxygen combines with all the other elements (except perhaps fluorine). The combustion of bodies in oxygen is nothing but their combination with that element, the process, from the energy of the affinities, being attended by the evolution of light and heat. Of all the elements, oxygen is the most abundant; it forms 89 per cent., by weight, of all the water, and 23 per cent of the atmospheric air of our globe; exists in all rocks except rock salt, and constitutes at least one-third of the weight of the earth. When hydrogen is mixed with oxygen, the mixture takes fire on the approach of a flame, or when a spark of electricity is passed through it, and explodes violently, and water is the only result. Without water the operations of the chemist would come to a stand. The metals of the alkalies proper, potassium, sodium, and lithium, exist in abundance. These elements have such an affinity for oxygen that when brought in contact with water they instantly decompose it, with the evolution of light and heat. When the metals of the alkaline earths, barium, strontium, calcium, and magnesium, and the metals of the earths proper, thorium, aluminum, glucinum, zirconium and yttrium, are heated in air they burn with a vivid light and form oxyds. Most of the other metals take fire on being heated in air or oxygen and burn with intense heat. Some of them require the electric spark to cause them to combine with oxygen. The affinities of sulphur are powerful. With many metals, when heated with them, it combines, the combination being accompanied with the development of light and heat. In other words metals undergo combustion with sulphur, just as with oxygen or chlorine. Prof. Johnstone asserts that when silicon is heated in air or oxygen it burns, combines with oxygen, and forms silica. Silica consists of 48 per cent. of silicon, and 52 per cent oxygen. Silicon is the most abundant of all the elements except oxygen, of which the solid matter of our earth is composed.

From the foregoing train of facts the following truths are apparent:

First—The matter composing our earth in its elementary state is highly combustible.

Second—When the elements chemically combine, intense light and heat are evolved.

Third—The elements *are* thus chemically combined, and, consequently, the solid matter composing our earth is an igneous product.

"And the spirit of God moved upon the face of the waters," or, in other words, the laws of matter acted upon the elements and light was the result. A spark of electricity causes hydrogen and oxygen to combine and form water. In the beginning the elements were in a gaseous state, and according to known laws were mechanically mixed and equally diffused; consequently when oxygen and hydrogen, combined atoms of the alkaline metals, potassium, sodium, etc., were in contact with water. Such is the avidity of those metals for oxygen, that the atoms in contact with water would instantly burn with a continued flame. This continued flame would cause other atoms of oxygen and hydrogen to combine, thus extending the flame to the whole mass—the temperature increasing until all the elements combined or oxydized to form solid matter. Thus a fire started by a single spark of electricity would not cease to burn until the elements combined in every proportion and form that an elevated temperature will produce. Electricity is a property of matter. As the density of matter is the measure of its capacity for caloric, so also the density of matter is the measure of its capacity for electricity.

A given quantity of water, on being expanded into vapor, has power to render latent a definite proportion of electricity, which is set free on the vapor being condensed into water. Free electricity is attracted by matter and diffuses over it with the rapidity of light. Suppose there exists in space, held in its proper orbit by the laws of gravitation, a vast body of nebulous matter, composed of the elements in a gaseous state, in the same proportion as they are found to exist in our earth. In consequence of the intense cold of surrounding space, condensation would ensue, and sparks of free electricity would pass between bodies of the aggregating mass unequally charged as from cloud to cloud. The process of chemical combination would instantly commence, water would form, the alkaline metals would take fire as they combine with oxygen, and the temperature of the mass would continue to increase as the elements united, and the result would be a self-luminous body like the sun, with its atmosphere of burning metals.

In regard to the method (proposed in a former communication) of determining the order of the formation of the igneous rocks, I think the possible importance of the subject demands further attention. It is estimated by geologists that the crust of the earth is sixty or eighty miles in thickness. The order of the formation of that part only has been determined that has been re-formed since water rested upon the earth's surface. The aqueous rocks are supposed to average some eight or ten miles in thickness, resting on a foundation of igneous rocks, some sixty miles or more in depth. The igneous or granitic rocks are composed of mica, feldspar, quartz and hornblende, in which are found all the metals known to man. Of the order of the formation of the igneous rocks we know nothing. While our knowledge of the formation of the earth's crust is so incomplete, it is in vain that the baffled miner seeks the revelation of the geologists to solve the problem of the formation of metallic veins.

When our globe was one molten mass from center to circumference, matter arranged itself according to its specific gravity, the lighter earths and metals upon the surface, and those of greater density at greater depth, subject, however, to such modifications in density as are produced by an increase of temperature. We find the native metals and sulphurets, in a matrix of quartz, bodies differing greatly in specific gravity at common temperatures. If we admit that the elements of which our earth is composed combined at a high temperature, then an elevated temperature must have a tendency to equalize the specific gravity of such bodies, or they would not be found thus associated. It is a well known fact that rocks and metals do not expand equally with an increase of temperature. The fissures that were formed during the upheaval of mountain ranges, were filled with intrusive matter from different strata in a molten condition. At each successive upheaval the fissures were filled with matter from a lower, and consequently denser stratum, and thus each stratum is represented, the matter filling each fissure being identical in composition with the stratum of which it is a chimney. Now if we ascertain the exact composition and ratio of expansion, at an increased temperature, of all igneous rocks and metal bearing veins, it would furnish data by which the order of the formation of the igneous rocks might be determined to the entire thickness of the earth's crust.

Geology, in the present state of the science, treats only of the formation of stratified rocks. It leaves us entirely in the dark in regard to the order of the formation of such combinations as were produced at an elevated temperature. Mr. Easton very justly remarks that "it must be confessed the exponents of the science of geology have done very little to advance the interests of mining. Miners have looked to geologists to answer difficult questions, and to achieve successes, in view of their superior knowledge; but their achievements have failed to be commensurate with their pretensions, until the miner now is but too ready to scout and ridicule all the proffered aid of geology. What we need is practice and theory conjoined; geology, or rather geognosy, applied to mining. Mr. Easton makes a suggestion, which, to say the least, is a move in the right direction. He says: "It would be a grand help to mining if we had a geological map of the State, extending along the flank of the Sierra Nevada, with the space ruled into meridians, parallel with the axis of the mountains—say five or ten miles apart—and also ruled at right angles, checkerboard like, and the rocks across the various intersections of the meridians marked on the map, commencing at the summit with granite and gneiss and on a direct line to the valley all the geological changes noted." The subject is worthy of a State survey, and while the corps of observers are collecting data for such a map, they should also collect specimens of all igneous rocks and veinstone, so far as practicable. The exact composition, specific gravity and ratio of expansion at an increased temperature of all such rocks should be ascertained, with a view of determining their place in the formation of the earth's crust. It is thus that the gap in geology might be filled and the structure of the earth crust and of metallic veins might be reduced to a simple mathematical question.

There also recently appeared in your valuable journal a series of articles entitled "The Formation of Metallic Veins." As the author is evidently in error in some of his statements and positions, I shall briefly notice his theory. It should be remembered that science is *truth* demonstrated, and a theory at variance with a single fact in its ample range must fall to the ground. The writer of these articles (Mr. Miles) takes the position that metal-bearing veins are of aqueous origin—that they are an after formation, due to the metamorphosis (as he terms it) of the wall rocks. He assumes that such metals as are found in quartz veins exist in atoms, and are diffused through the wall rocks, and that they, together with quartz, are subjected to chemical action, dissolved and carried over by water, and precipitated, in some mysterious manner, by electricity. He says: "The degree of heat sufficient to give quartz a molten condition would precedently volatilize all metals in contact with it," and, consequently, a metal-bearing vein cannot be of igneous origin. According to such authorities as I have at hand, quartz fuses as readily as platinum. On being broken up like sand, it melts readily before a compound blow-pipe. Bansen and Kischhoff assert that many metals do not volatilize before a blow-pipe. They say that "for the obtaining of the peculiar spectrum of iron, platinum, copper, and most other metals, these metals must be exposed to a much higher temperature than that of a gas flame, to which they impart no color. This high temperature is best attained by the use of the electric spark. So great indeed is the heat developed by this agent that a single electric discharge, passed through a gold wire, dissipates the metal into vapor." Our author imagines that sulphurets are exceedingly difficult of production by artificial means—that they require the aid of electricity in their formation. Draper, Comstock and Gregory agree in saying that "sulphuret of iron may be formed by touching a bar of iron, at a glowing red heat, with a roll of brimstone. The compound will fall in drops. The natural and artificial sulphurets are composed of precisely the same definite proportions, viz: iron 28 and sulphur 16. When the temperature is sufficiently elevated, sulphur will readily ignite and combine with many other metals to form sulphurets. The writer believes quartz veins are of very slow formation, and that they are endowed with sulphurets and native metals by a sort of galvanic process. He seems to ignore, or not to be aware of, the significant fact, that sulphurets are the product of the ignition of metals with sulphur; that the oxyds of the noble metals may be reduced by heat, and that these bodies are found in a matrix, itself the product of the ignition of silicon with oxygen. And, furthermore, Gregory asserts that "silicon occurs in nature only in a state of combination with oxygen, as silicic acid or silica, which is the chief ingredient of all soils and all rocks, except limestone, rock salt and coal.

The writer in question fancies the internal heat of our globe is due to the earth currents of electricity. When we consider the following facts, it will be perceived how inadequate the earth currents of free electricity are to produce such a result:

First.—In case of a spherical body, the distribution of free electricity is entirely superficial, each portion of the sphere is electrified alike.

Second.—In the process of telegraphing, the earth is used to return the magnetic current, and thus complete the circuit.

Telegraphing has been performed, under favorable circumstances, across a space two thousand miles in width. A thin wire has capacity to conduct sufficient electricity to overcome or neutralize the earth currents, and that too without being sensibly heated, and yet the broad earth has the conducting capacity of many wires. Our writer believes in the wide and atomic distribution of all the useful metals in the earth, and that these metals are traceable to the fossiliferous or stratified system of rocks. He has a good deal to say about the existence of metals in sea-water and about their being aggregated in veins by electrical action. He thinks it "extremely doubtful if metals of any kind separately existed in veins until after the advent of organic life. The idea may be thought fanciful in regard to organic aid in the sedimentary concentration of metals; nevertheless it may be a beautiful principle in the animal economy that infinitesimal deposits of gold, silver and other metals are due to the vital processes of living laboratories in the ocean depths." Yes, these metals have been aggregated by animalculæ, deposited in fissure veins by electrical action, instead of being precipitated in strata! The waters of the ocean undoubtedly hold traces of every metal, in solution, with which it has been in contact, as some miles in depth of aqueous rocks have been precipitated since water rested upon the earth's surface. The waters of the primeval ocean were strongly impregnated with the alkaline metals, as they are of the least specific gravity, are present in all surface rocks and exist abundantly in granite. To the mediæval waters were added solutions of metals of greater density, as each metal in succession was exposed through the fissures to the action of water during the upheaval and formation of mountain ranges. Sea-water may be termed the liquor of the earth, flavored with every element with which it has been in contact. But every fact in inorganic chemistry points to the period when the heat of the earth was so great that no water rested upon its surface. Requiring a higher temperature than 212° F. before they volatilize. Where were the metals then?

In accordance with his theory, I suppose Mr. Miles would answer, "they were widely and atomically distributed through the surface rocks." Very well. When those surface rocks were in a molten condition would these metals, with a specific gravity so much greater than any rock, have been likely to have floated with them upon the surface?

I believe it is admitted by all geologists that the surface of the earth was once flat, otherwise the existence of aqueous rocks containing the remains of marine plants and animals, upon our loftiest mountain ranges, could not be accounted for. It is contended that the circumference of the earth was then much greater than it is now, in consequence of the expansive influence of a much higher temperature than it possesses at the present era. It is also maintained that the irregularities in the earth's surface are due to the contraction of the earth, by loss of heat, since the solid crust began to form. Now when the first upheaval took place, the molten matter that filled the seams or fractures, was intrusive, and properly belonged to a lower and, consequently, denser stratum. We find metal-bearing veins to be composed of quartz, which, as we have already seen, is the product of the ignition of its elements, silicon with oxygen, containing sulphurets, which are the product of the ignition of metals with sulphur and native metal, whose oxyds when once formed are reduced by heat alone—facts indicating their igneous origin. And then we find them enclosed within walls of stratified rock, containing the remains of organized life, showing that metallic veins are intrusive. F. A. H.

Forbestown, Butte county, Cal.

[The above communication was written and placed in type ere we received the melancholy news of the death of Mr. Edward A. Miles, to whom allusion is made, and who also was the author of the articles signed "Pundit." We doubt not that "F. A. H." will grieve with us in the death of our friend, which abruptly silences forever this friendly discussion of these studious and important subjects.—Eds. Press.]

Thoughtful Legislation.—By a law of the State of Maine, any person who shall, to the acceptance of the selectmen, place a trough by the roadside, into which a stream of water shall be constantly kept running, is entitled to an annual deduction from the amount of his yearly taxes.

Generally a ton of iron expended on a railroad is worth a hundred fold the value of the same metal used up in forty-four pounders, but there are times when the reverse is true.

Glass milk pans are in use in England. This vessel is found wholly exempt from the liabilities to acidity, or the injurious effects of the lead in earthern or tin pans.

A ponderous gold guard-chain has just been completed at a chain and jewelry manufactory in Springfield, for a man in New York, who has a fancy for "big things." It is four feet long, weighs a pound and a quarter, big enough to chain an ox with, and costs about nine hundred dollars.

(Written for the Mining and Scientific Press.)

Pueblo Silver District.

Messrs. Editors:—Having read in your issue of Oct. 29th an editorial about the Owyhee country, in which you stated some impressions which you derived from a conversation with Mr. W. M. Babb, in regard to the richness, prospects and future success of the Pueblo Mining District, I take the liberty to correct some of these statements, which corrections I think are warranted by facts which I have collected by personal observations.

You say, "These mines may probably become invaluable to the future for copper. The ore is *erubescite* and very rich, but the amount of silver is so small that they are practically valueless for the present." Mr. Babb, who spent the summer with Col. Drew's Oregon and Owyhee Expedition, passed through Pueblo on his way to Owyhee, and did not stop there with us but two days, which was not long enough to make a thorough test and practical examination of the hundred different ledges on the mountains. I rode in company with him down to the chloride series, at the south end of the mountain, where we were getting out rock for Weir's quartz mill, and he there examined the different series of ledges, which, I believe, were the only ledges he visited, except the Powell lode, located above the Trojan Spring and near the quartz mill. He took some fine specimens of ore from the Carolina series, Pueblo, Constellation and Godfrey series; but many other series of ledges where rich specimens are found he did not examine. A geologist thus hastily passing over so large a mineral district, fifteen miles long, could not, in so short a time, make a practical test, so as to form a very correct idea of the width of the mineral veins and the extent and richness of the district.

Having spent four months prospecting and examining Pueblo Mountain, I think I have had a better opportunity than Mr. Babb to form a correct opinion of these mines, and I can speak from actual knowledge concerning the style and richness of the ore, as I helped to get out and furnish the quartz mill with rock from the different series of ledges—the Pueblo and the chloride series.

The geological formation of Pueblo Mountain is a little remarkable—slate, limestone and granite seeming to form a confused mass, sometimes the one and again the other predominating. It extends continuously about fifteen miles. The crest is sharp and regular, and rises about five thousand feet above the plain. This is the most regular mountain in the formation I have ever seen. It has the appearance of having been upheaved, by some volcanic force, in front of another mountain. All the ledges and out-croppings of granite, limestone, slate and quartz, preserve a parallel course the whole length of the range, and pitch to the eastward. I am persuaded that, taking the mines here generally, they can be worked to better advantage, with much less expense, and with greater relative profit, than any mines found elsewhere, even if the facilities are not so good as in other districts. There are many rich mines in other districts which have only paid expenses of working from the commencement, owing to the large expenditures in thoroughly developing the mine, by sinking shafts, running tunnels, etc., to find the ledge. But this is not the case with Pueblo mines. They can be traced for miles by their out-croppings, and will pay for working from the top. Sufficient work has been done upon many of the ledges to set the matter entirely at rest, and every day's observation, while I was there, enables me to speak with some degree of certainty, and also serves to strengthen the conjecture in my mind that many of the ledges here will prove to be permanent, and become invaluable for copper.

On quite a number of these ledges considerable work has been done, and many tons of ore taken out, crushed and concentrated, and there is no doubt of its richness, when reduced to bullion. From some of the assays I made at Pueblo, I found some of the ores to vary from $25 to $500 per ton. Among the ledges I examined the following, which I judge to be the most promising: Pueblo series, Chloride, Coralinn, United States, Franklin, Zodiac, Constellation, Morning Bell and Godfrey series. The formation in which these ores occur are plutonic and metamorphic rock. These rocks, stretching along in belts from the base to the summit, are in many places interstratified with layers of micaceous schist, associated with quartz, magnesian, limestone, fluor spar and granite. In this district the general character of the ores differs in their combinations with minerals of other districts. Base metals are rarely found in these mines, which will render the rock easier to be worked and reduced to bullion. Argentiferous copper rock from the croppings is the base of these mines, or, more properly a belt of continuous copper veins, running in a northerly and southerly course, which can be traced by their out-cropping the whole length of the mountain. A majority of the ore thus far taken out is not erubescite; only small specimens are found of that mineral in Pueblo.

All copper ore is either sulphurets, oxyd or carbonates. Sulphurets of copper—the form in which the metal is most commonly found in California—is a dense mass of metallic crystals, of dark or light yellow color, according to its degree of richness, and losing its luster on exposure; whilst in Pueblo much of the ores contain black and gray oxyds, as well as native copper, in the form of wire, and has a pale, brassy color. Black oxyd abounds near the surface, and so far down as they have reached sulphurets predominate, and are of greenish tint, purple and blue color. The sulphurets obtained from the Pueblo series and the Godfrey series are the richest I have ever seen. A shaft has been sunk on the Chloride series, about ten feet, and from the surface to the bottom of the hole the rock is rich in gold, silver and copper, which assays $27 in silver, $185 in gold and $312 in copper to the ton, making a total of $524 to the ton, and as we descended the ledge is improving. The above statement is the assay receipt of the average working test of three tons of rock from the Chloride series, made last month, by a practical assayer in San Francisco.

This belt or zone of copper is grouped into clusters of well-defined and distinct ledges, lying in a true mineral formation, the mountain bearing a high metamorphic character, while in the vicinity of the veins porphyritic greenstone crops out near the summit, in bold relief, enclosing micaceous schist, with quartz as the mineral gangue. The minerals in these veins show extensively along the whole range or belt, with a width of from one to two hundred feet, the ore consisting of sulphurets, carbonates, oxyds and pyrites of silver and copper, though the sulphurets show a large per centage of silver in the Godfrey series, some assays being as high as from $500 to $1000 per ton, in silver, whilst the copper will average from thirty to forty per cent.

After a thorough examination in this vicinity, and the different assays made, I consider these mines, if properly worked, would be, at the present time, more remunerative than any other mines I have seen in this Territory, and I may safely add are as good, if not better, than any others yet discovered upon this continent.

Grove K. Godfrey.

Shasta, Nov. 5th, 1864.

The Wood Supply of Washoe.—The Virginia City *Union* has the following:

Firewood consists altogether of pine and cedar and is brought from Washoe Valley, and the surrounding hills. Nut pine wood brings $16 per cord, delivered, and $1 less is charged for cedar. The teams bring from two to seven cords at a load. Including a space of less than twelve miles square about Virginia, there are few if any places in creation of like size where as much wood is consumed. Many of our mills consume from six to ten cords per day, and the numberless engines used in hoisting works, saw and planing mills, and other purposes, use a proportionate quantity. Most of the wood that is consumed in the mills of Gold Cañon comes from Palmyra district and El Dorado Cañon, where the mountain slopes are plentifully covered with the nut pine, and from that section hundreds of cords are daily taken. In fact a constant stream of teams are on the road. It is the best wood in the territory to burn, and for stove wood it is hardly to be excelled anywhere in the world. The trees are all small, low and scrubby, yielding but little wood—only about a cord and a half or less to the tree; therefore, in a very few years we shall be short of that kind of fuel.

There is plenty of wood, however, on the Sierras, and in a few years a railroad will be bringing it to us in any quantity. One noticeable feature in the wood traffic is what we see every day on the streets, but to a stranger it has quite a novel and comical appearance, viz: Jackasses, with big lords of firewood on their backs, and driven by Chinamen. These domestic little animals (the donkeys) come in patiently from the hills every day with their load, and supply principally the Chinese quarter of the city. A couple of large iron hooks, on each side of the pack-saddle receive the wood, which is piled high above the donkey's head and secured with a rope. These little animals carry from one to two hundred pounds each of wood, and are found very useful in going into places and along steep declivities inaccessible to wagons.

The Times on Farragut's Victory.—The London *Times* of September 17th, in summing up the results of Admiral Farragut's victory, says:

We think the reader will admit that this is a most extraordinary battle, and, perhaps, the most wonderful part is the comparative impunity with which it appears that wooden ships can still engage an iron-clad. It is obvious to surmise that the result might have been different if the Tennessee had attacked her antagonists with shell instead of with rifle bolts, which merely cut clean holes through their sides; but it is also clear that "ramming" cannot be tried, as it was in Hampton Roads, if ships can only so move as to elude the ram. What destroyed the Congress and the Cumberland was that they were mere sailing vessels, and could not evade the shock, whereas Farragut's vessels, by aid of their screws, escaped fatal damage, and at last, being fourteen to one, actually bent their great antagonist at his own proper game. In fact, the Tennessee was literally hustled into surrender. Her crew were knocked off their feet every five minutes, and were no longer fit for fighting, though their ship was substantially uninjured. Finally, what are we to think either of Confederate plating or Federal guns, when such enormous pieces fail to produce any effect on armor at ranges measured, not by yards, but by feet or even inches? These are questions which will be asked with considerable interest, and the battle in Mobile Bay will, perhaps, add one more lesson to those which we have received from the American war.

Results of Calculation.—There are many persons who cannot, or will not, appreciate the harmony and beauty of natural laws, the reason being, we suppose, that they are incapable of following the calculations necessary for their elucidation, and thus, by avoiding all the trouble, the result brings no pleasure to them. Where can anything more beautiful be found, and in what fact can you find a greater demonstration of the harmony of the universe, than that the same law which governs the motion of the planets, also controls a falling stone? The same force which binds the rocks together also keeps in contact the particles of skin on our hands. The universe and all things in it obey a system or code of laws which cannot be broken. It may appear extraordinary when we state that there is nothing violent or irregular in nature! The upheaved rocks of former ages have all been unheaved gradually, and in obedience to a controlling power; even apparently capricious earthquakes always move and ever will progress in a definite and given path around the globe; and the eruption of a volcano can be calculated to a nicety. Storms can be prognosticated, hurricanes predicted, and a comet's appearance prophesied; all these wonders are the result of hard and dry figures, the consequence of great calculation. Who, in future, will not have a great respect for arithmetic?

Fishes Traveling by Land.—Dr. Hancock, in the "Zoological Journal," gives a description of a fish called the "flat head bassar," that travels to pools of water when that in which it has resided dries up. Bose also describes another variety, which is found in South Carolina, and, if our memory serves us well, in Texas, which, like the "flat head," leaves the drying pools in search of others. These fishes, filled with water, travel by night, one with a lizard-like motion, and the other by leaps. The South Carolina and Texas varieties are furnished with a membrance over the mouth, by which they are enabled to carry with them a supply of water, to keep their gills moist during their travel. Guided by some peculiar sense, they always travel in a straight line to the nearest water. They do without the aid of memory, for it has been found that if a tub filled with water is sunk in the ground near one of the pools which they inhabit, they will, when the pool dries up, move directly toward the tub. Surely this is a wonderful and merciful provision for the preservation of these kind of fish; for, inhabiting as they do, only stagnant pools, and that too, in countries subject to long and periodical droughts, their species would, but for this provision, become extinct.

The Ebb and Flow of Beauty.—Beauty makes its own fashions when it comes; and we must remember that it is not at once a beauty. People are continually being disappointed in children in this respect; cherubs grow up into ogres—mouths widen most portentously about fourteen years old; dimples about that time often vanish, and noses then can lengthen, or crook, or even snub; and it is fortunately the same the other way too—that faces ugly in the cradle may quite change by twenty. Some people's beauty comes very late indeed, and those who have been repugnant in their youth and maturity may look splendid in old age. Gray hairs and white beards become some folks wonderfully; a few wrinkles, also, greatly improve certain faces; and one old lady of our acquaintance we never dreamed was beautiful until we saw her in spectacles.—*Victoria Magazine.*

Mining Ideas in New York.

A New York correspondent of the Humboldt *Register*, writes to that paper as follows:

It is generally conceded here, and elsewhere that I have heard the subject spoken of, that the mines of Humboldt are not surpassed in richness and extent by any in the known world; yet your county languishes, and hundreds of men owning thousands of feet are compelled to leave, and also don the fruits of two or three years of prospecting, in search of a more remunerative field of labor—unable longer to make a bare subsistence in the land of sage brush. Whilst this is true of Humboldt, there are many less favored localities much further advanced in the progress of development. The reasons for this are chiefly: 1st, certain combinations of interested influences, at Virginia, and other localities, kept in use to disparage the Humboldt mines; and 2d, an unfortunate system of organization for working your ledges, which has obtained among yourselves at home. To overcome the first obstacle, will require a combined effort to collect and present to the public reliable statistics of the number, extent and richness of your mines. The great desideratum with you is, how to obtain capital for the development of your mines; and to do this, capital must be made to understand the situation. The second difficulty to which I allude is the system of organizing companies and issuing stock subject to assessment, and relying on the sale of such stock to open and develop your mine and put improvements thereon. The concurrent testimony of all experienced men with whom I have conversed on the subject, is, that while one mine might be successfully worked in that way, a hundred would fail—as it is utterly impossible to get capital from abroad to aid you whilst the holders of your mining stocks are liable to be sold out any day for delinquent assessments.

The plan adopted by the people of Colorado has been the salvation of their country—has made them prosperous in the extreme. Wherever a ledge has been found with reasonable prospects of being a paying mine, there has been no difficulty experienced in obtaining an abundance of capital to fully prove its quality and extent; but it is not done by incorporating in Colorado and issuing assessable stock, to be sold in a market where there is no capital.

The most approved plan, so far as my information on the subject goes, is: First, when a ledge is found showing reasonably fair prospects, the owners agree upon a certain amount of the claim—say one-half, if necessary, to be set apart as a working capital, to be put into the hands of the Trustees of the company when organized, to be sold from time to time as work progresses, to defray the expenses—leaving the remaining one-half unassessable. By this plan, as the work progresses, if the developments are satisfactory, the stock will improve in price before the whole is expended. The stock not set apart should not be issued until the Trustees could see their way clear for funds for operative purposes; this to prevent the stock from being huxtered in the market, to the injury of the stock held by the company, until the same is disposed of.

In support of the foregoing views, it will only be necessary to state the fact that assessable stocks in this market, though the mine may be rich as Crœsus, will not sell for a penny a foot—whilst unassessable stocks in Colorado and other places with no great recommendation, sell at fair prices. The reasons for this difference are obvious to one familiar with the condition of things here. There are tens of thousands of persons here, not professional stock dealers, who, having money to spare, would invest in good mines and take chances on their final success. The stock not being subject to assessments, they can lay it away and bide events; but if subject to assessments, the holder may be called upon at any time for further contributions, when he may be ill able to spare the funds—must constantly keep an agent near the company's place of business, or else his stock may be sold for assessments; and, finally, having no voice in the control of the company's affairs, he has no security against onerous assessments being levied for the purpose of "freezing out outsiders." These objections are removed by adopting the unassessable plan.

Sansum Copper Mine.—Mr. Phillips, who is in charge of the works at the Sansum Copper mine, came down last night. He reports that they have followed the vein of ore forty-eight feet down, and have got out several tons of ore containing from eighteen to twenty per cent. of copper. The quality of the ore is steadily improving, and Mr. Phillips thinks that fifty tons of twenty per cent. ore could be got out for shipment in a very short time. We hope the company will send a sample of their ore to England, as that will be the most effectual means of proving to home capitalists that our mineral resources offer remunerative fields for their investments.—*Victoria Colonist, 7th inst.*

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Nov. 19th, 1864.

We have no important change to note in the condition of the money market. The demaud is fair for the season, and rates are ranging from 1½@2 ₱ cent. per mouth in bauk. Sau Francisco seems to be making rapid progress, and every material interest flourishing. Wealtb is accumulatiug, and money is becoming more abundant.

Receipts of bulliou from the iuterior during the week amonnt to $1,000,000.

Gold bars are selling at $830@840, and silver is ranging at 2 ₱ ceut. disconnt to 3 ₱ cent. premium.

Since Saturday last the share market has continued to exhibit the same characteristic features prevalent for a month past. Most leading stocks are steadily maintained, at current quotations, and a good deal of confidence is felt in their futnre. The average yield of all the claims on the Comstock so far during the month exceed that of a like period last month. Speculative shares have fluctuated materially, and for the most part were dealt in at declining rates.

Legal Tender Notes were sold to the extent of $46,700, within a range of 43c, seller 60 days, and 48c cash, closing at 47½c bid, 48c asked. Since the 15th inst., gold has declined at New York from 240 to 216.

Pacific Insurance Co. has met with sales at $116, at which rate 110 shares changed hands. This company is said to be doing a large and profitable business.

State Telegraph is higher, and was sold at 40. San Francisco Gas Co. declined to 80. Spring Valley Water Works is enquired for at 50 ₱ cent. on nmount paid in. California Steam Navigation is held at 77 ₱ cent ($770). and Califoruia State Bonds at 78.

Savage has not been dealt in during the week, and was offered yesterday at $1850. Thc main shaft in this mine has nttained a depth of 365 fect. Betwccn the second and third levels tbe distance is 50 feet, and betwecn the third and fourth, 95 feet, the former runniug north 200 feet to the Gould & Curry line, and containing 113 fect of good ore. The floor of the third level expands to 135 feet in length, about one-half of which has been taken out. For the past two months the mine has yielded some 30 tons of shipping ore, valued at $1,500 per ton, and about 10 tons daily of No. 1, valued at $200, and 150 tons daily, worth some $50. A drift from the bottom of the shaft extends 200 feet north, and from this a drift driven 80 feet to the west has penetrated a large body of fine ore, which is said to increase in metal as work advances. That portion of the mine lying between the third and fourth levels has, thus far, heen comparatively unexplored, but indications lead to the supposition that tlic chimney is widening at about the same ratio as in the levels above. The ore met with in the 80-ft. drift westward is said to be lying west of any ever yet found of equal richness in this claim.

Gould & Curry was less active than nsual, nntil yesterday. 21 feet have been sold, declining from $1,385@$1,390 to $1,360, then rallying to $1,400, and closing at about $1,475 bid, buyer 30 days. The yield of this claim for the current month is said to be ratber more encouraging than for some time past.

Chollar has been active, with little or no variation in pricc, and 32 feet were sold at from $990 to $1,000. The new hoisting aparatns of this company, will, it is thought, he in successful operation to-day. Some 150 tons of ore daily can now be readily taken from the mine which will give employment to an additional number of mills. The lode in tbe south mine coutinues to disclose good ore in length aud width, ns work progresses.

Yellow Jacket, declined from $967@$970, buyer 30, to about $900 cash and was held yesterday afternoon at $950, within which range 12 feet were sold. In sinking from the 280 feet level and in running north aud south the rich pay seam is said to be widening and otherwise improving.

Potosi is firmly held and 10 fect were sold at $800. A decision from his Honor, Judge Mesick, in the suits of this company with the Bajazet, is momentarily expected.

Crown Point is unchanged and has met with no sale during the week. At the close $700 was hid and $800 asked.

Belcher changed hands at $750 per foot and is now offered at $800. Empire Mill & Mining Company is in better favor, and five shares were sold at $550 per share. The company in this city, are in the receipt of regular shipments of bullion and these are fully up to the average of the past two months.

Hale & Norcross is in less request, opening at $850, receding to $510, rallying to $675, again declining to $510, then advancing to $565, seller 30, and selling yesterday at $520@$545, buycr 30. No less than 132 feet have changed hands at this range of prices. The ore found in the 500 feet level did not prove to be of much valne, but at a greater depth recent developments are thought to indicate the existence of a permanent lode of pay ore.

Opbir has been dull and inactive, dcclining from $475, buyer 30, to $425, and closing at $420, bid, and $425, asked. This Company are obtaining some good ore, abovc the scventh level.

Uncle Sam rose from $275 to $300; steadily declined to $200, and closed yesterday at nbout $200 bid, some 39 feet have been sold. Overman fell from $140 to $128, rallied to $140, and was held ycsterday at $135, within which range 31 feet were dealt in.

Bullion has been actively dealt in and 346 feet were sold, declining from $190 to $165, rallying to $185, receding to $160, rising to $170, buyer 30, and closing at $168. This mine adjoins the Chollar and Potosi on the south. At a depth of 500 feet a drift running north 100 feet met with ore similar to that found in the Chollar mine but work was suspended by the company until the title to the Corser ground could be obtained; this secured, activc operations have now been resumed. Recent developments show, it is said, very flattering prospects.

Burning Moscow still maintains its supremacy at the Board, and 3725 shares have changed hauds during the week, advancing from $47 to $72, receding to $58, sellcr 30, then selling at $70, again declining to $45, sellcr 20, aud $40, seller 60, then rising to $58, buyer 30, and closing yesterday at about $47½.

Nevada, J. G., has been in some demand and rose from $34 to $45, buyer's option, and closed at $44. Some 260 shares were sold.

Imperial was sold at from $148½ to $146@$145. Sierra Nevada was dealt in at $50, $45@$41, then rose to $45 bid. Antelope was sold at $80, and Real del Monte at $22.

Wide West declined from $20 to $14; Golden Age & Empire from $17 to $10; Bajazet from $26 to $23; Sheba from $55 to $40, and Daney from $25 to $22½.

Josephine, Copper, is in good demand at $45 bid—none offering.

The aggregate sales since Saturday last amount to $536,935 25.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount. Outstandiag.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
Uaited States Bonds, 7 3-10	—	—	$ 139,996,950	Feh. Aug. April and Oct.	U. S. Treasury	1864	
Legal Tender Notes	48	49					
California State Boads, 7s, 1857	—	78	3,620,500			1867	
San Francisco Bonds, 10s, 1851		100	1,352,600	May aad November	Sau Francisco	1871	
San Fraacisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Francisco City aad County Boads, 6s, 1858	61	64	1,133,500	Jaauary and July	San Francisco	1888	
Saa Francisco School Boads, 7s, 1854			42,000	May and November	New York	1866	
San Fraacisco School Bonds, 10s, 1860		100	59,500	Jaauary and July	New York	1870	
San Fraacisco School Bonds, 10s, 1861		100	20,000	Jaauary and July	New York	1870	
San Fraacisco City aad Couuty Bonds, 7s, 1862	71	74	300 000		Sau Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s	43	50	440,000				
Marysville Bouds, 10s	70	75					
Stockloa City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	200,000				
Santa Clara County Boads, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Matco Couuty Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Askod.	No. of Shares.	Incorporate Val. ₱ share.	Amouat Paid per share.	Dividends.	Remarks.
California Steam Navigatioa Co	—	77	2,500	$1,000		2 ₱ ct. ₱ month on capital stock	Dividend of 3 ₱ et. paid Oct. 15.
State Telegraph Co	39	42	25,000	100		$1 ₱ share quarterly	
Sau Francisco Gas Co	70	80	20,000	100		1 ₱ ct. ₱ mouth oa capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ anuum on capital stock	
San Francisco City Water Works	46	—	4,000	500	Full Paid	$2.50 per share	
Spriag Valley Water Co	50	—	3,000	1,000		$450	Assmn't of $10 ₱ sh levied Nov. 4.
Virginia aad Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co	20	30	8,000	100	$100		
Omnibus Railroad Co	106	—	10,000	100	41 ₱ ceat.—$41.	½ ₱ ct. ₱ moath on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach aad Mission Railroad Co		95	10,000	100	88 ₱ cent,—$38.		
San Francisco aad San Jose Railroad Co			20,000	100	Full Paid		
California Buildiag, Loan aud Saviags Society			2,500	100	Full Paid	1½ ₱ cent ₱ mouth	Dividead payable May and Nov.
South Sau Fraacisco Homestead and R. R. Ass'n.		75	500	300		$172	$10 per share now due.
Firemaa's Fund Insurance Co	—	—	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insuraace Co	116	—	7,500	100	Full Paid	$6 per share paid quarterly	
Saa Francisco Insurance Co	—		300	500	Full Paid	1½ ₱ cent ₱ moath	Surplus fund $75,874.
Merchants' Mutual Marine Iasuraace Co			100	5,000	10 ₱ cent		90 per cent. in demand notes.
Califoraia Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Boak of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Maaing Co. (Mt. Diablo)				200	600		
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4 000	26			
Bolliaghum Bay Coul Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ moath on capital stock	39th dividend paid.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, November 12.

$10,000 Legal Tender Notes at 43 per ceat, s 60.
$ 5,000 Legal Tender Notes at 43¾ per cent, s 30.
$ 5,000 Legal Tender Notes at 44 per cent, s 30.
$1,700 Legal Tender Notes at 43½ per cent.
$ 5,000 Legal Tender Notes at 46 per cent, Monday.
4 shs Gould & Curry at 1385 per foot, r w.
4 shs Gould & Curry at 1390 per foot, r w.
8 shs Hale & Norcross at 850 per foot.
2 shs Hale & Norcross at 840 per foot.
10 shs Hale & Norcross at 800 per foot, s 30.
2 shs Hale & Norcross at 840 per foot.
2 shs Hale & Norcross at 830 per foot.
12 shs Ophir at 475 per foot, b 30.
10 shs Sheba at 55 per foot.
3 shs De Soto at 18 per share.
100 shs Amador, R. R. at 6½ per share.
4 shs Imperial at 148 per share.
3 shs Imperial at 148½ per share.
10 shs Imperial, 147 per share.
5 shs Sierra Nevada at 50 per share.
5 shs Sierra Nevada at 45 per share.
7 shs Baltic at 30 per share.
10 shs Nevada, J. G. at 34 per share.
20 shs Burning Moscow at 46 per share.
90 shs Burning Moscow at 47 per share, r w.
20 shs Burning Moscow at 46 per share, r w.
100 shs Burning Moscow at 47 per share.
30 shs Burning Moscow at 44 per share, s 30.
10 shs Burning Moscow at 46½ per share, r w.
30 shs Burning Moscow at 46½ per share.

AFTERNOON SESSION.

2 shs Hale & Norcross at 780 per foot, s 30.
4 shs Hale & Norcross at 800 per foot.
12 shs Hale & Norcross at 750 per foot, s 30.
24 shs Ophir at 455 per foot.
20 shs Sheba at 55 per foot.
4 shs Uncle Sam at 275 per foot.
2 shs Uncle Sam at 300 per foot.
14 shs Uncle Sam at 280 per share.
10 shs Bullion, G. H., at 190 per share.
5 shs Bullion, G. H., at 185 per share.
10 shs Buckeye at 5½ per share.
10 shs Caledonia Tunnel at 12 per share.
15 shs Overman at 140 per foot, b 30.
10 shs Burning Moscow at 48 per share.
10 shs Burning Moscow at 49 per share.
60 shs Burning Moscow at 50 per share, r w.
40 shs Burning Moscow at 51 per share.
20 shs Burning Moscow at 48 per share, s 10.
10 shs Burning Moscow at 49½ per share.
Amount of sales.....$67,316 25

Monday, November 14.

12 shs San Francisco Gas at 80 per cent.
2 shs Yellow Jacket at 975 per foot.
5 shs Overman at 128 per foot.
4 shs Hale & Norcross at 650 per foot.
2 shs Hale & Norcross at 625 per foot.
6 shs Hale & Norcross at 600 per foot.
2 shs Hale & Norcross at 600 per foot, r w.
4 shs Hale & Norcross at 600 per foot, b 30.
10 shs Hale & Norcross at 500 per foot, r w.
2 shs Hale & Norcross at 510 per foot.
10 shs Sheba at 45 per foot.
10 shs Sheba at 46 per foot, r w.
4 shs Gould & Curry at 1380 per foot.
8 shares Chollar at 1000 per foot.
4 shs Chollar at 995 per foot.
60 shs Ophir at 460 per foot.
10 shs Imperial at 147½ per share.
20 shs Imperial at 146½ per share.
10 shs Imperial at 146 per share.
37 shs Caledonia Tunnel at 13 per share.
5 shs Bullion, G. H., at 180 per share.
10 shs Bullion, G. H., at 175 per share, r w.
9 shs Bajazet & Golden Era at 26 per share, b 3.
10 shs Nevada, J. G. at 38 per foot, b 10.
20 shs Nevada, J. G. at 36 per share
5 shs Golden Age & Empire at 16 per share.
10 shs Golden Age & Empire at 16½ per share.
5 shs Golden Age & Empire at 17 per share.
210 shs Burning Moscow at 58 per share.
50 shs Burning Moscow at 59 per share.
20 shs Burning Moscow at 59½ per share, r w.
20 shs Burning Moscow at 60 per share.
10 shs Burning Moscow at 58 per share, s 30.
10 shs Burning Moscow at 59 per share, b 5.
20 shs Burning Moscow at 58 per share, s 5.
5 shs Burning Moscow at 56 per share, s 5.
10 shs Burning Moscow at 6 ½ per share, b 30.
25 shs Burning Moscow at 57½ per share.
20 shs Burning Moscow at 57 per share.
10 shs Burning Moscow at 57 per share, s 10.
10 shs Burning Moscow at 57½ per share, r w.

AFTERNOON SESSION.

4 shs Hale & Norcross at 675 per foot.
12 shs Ophir at 460 per foot.
4 shs Empire Mill & Mining at 550 per share.
5 shs Bullion, G. H., at 177½ per share.
5 shs Bullion G. H. at 175 per share.
6 shs Bullion, G. H., at 170 per share.
15 shs Bullion, G. H., at 165 per share.
10 shs Bullion, G. H., at 170 per share, r w.
5 shs Nevada J. G., at 39 per share, b 10.
10 shs Nevada, J. G. at 38 per share.
10 shs Nevada, J. G., at 40 per share, b 10.
15 shs Antelope at 80 per share.
5 shs Imperial at 146 per share.
2 shs Uncle Sam at 280 per share.
10 shs Golden Age & Empire at 15½ per share.
10 shs Burning Moscow at 58 per share.
20 shs Burning Moscow at 60 per share, 6 ds.
15 shs Burning Moscow at 60 per share.
15 shs Burning Moscow at 61 per share, r w.
45 shs Burning Moscow at 61 per share.
20 shs Burning Moscow at 61½ per share.
10 shs Burning Moscow at 62 per share.
10 shs Burning Moscow at 62½ per share, r w.
20 shs Burning Moscow at 63½ per share.
55 shs Burning Moscow at 63 per share, r w.
10 shs Burning Moscow at 62 per share, s 10.
20 shs Burning Moscow at 63 per share.
Amount of sales.....$ 84,994 00

Tuesday, November 15.

3 shs State Telegraph at 40 per cent.
4 shs Hale & Norcross at 650 per foot, s 30.
8 shs Hale & Norcross at 650 per foot, b 30.
2 shs Hale & Norcross at 640 per foot.
2 shs Hale & Norcross at 600 per foot, b 30.
6 shs Hale & Norcross at 550 per foot.
5 shs Hale & Norcross at 575 per foot.
8 shs Hale & Norcross at 560 per foot.
22 shs Hale & Norcross at 560 per foot, r w.
8 shs Hale & Norcross at 565 per foot.
6 shs Hale & Norcross at 570 per foot.
10 shs Hale & Norcross at 565 per foot, r w.
20 shs Daney at 25 per foot.
50 shs Sheba at 45 per foot.
4 shs Gould & Curry at 1360 per foot.
1 sh Yellow Jacket at 960 per foot, s 40.
5 shs Yellow Jacket at 970 per foot, b 30.
8 shs Chollar at 990 per foot, r w.
55 shs Bajazet and Golden Era at 25 per share.
5 shs Wide West at 19 per share.
20 shs Wide West at 20 per share.
10 shs Overman at 135 per foot, r w.
5 shs Real del Monte at 22 per share, r w.
6 shs Uncle Sam at 260 per foot, b 30.
10 shs Nevada, J. G., at 45 per share, b 10.
15 shs Bullion, G. H., at 170 per share, r w.
10 shs Caledonia Tunnel at 14 per share.
75 shs Burning Moscow at 69 per share.
25 shs Burning Moscow at 70 per share.
30 shs Burning Moscow at 71 per share.
10 shs Burning Moscow at 71 per share, r w.
15 shs Burning Moscow at 72 per share.
15 shs Burning Moscow at 71½ per share.
30 shs Burning Moscow at 70 per share, s 10.
10 shs Burning Moscow at 70 per share, s 15.
20 shs Burning Moscow at 69 per share, r w.
10 shs Burning Moscow at 59 per share, s 30.
20 shs BurningMoscow at 58 per share, s 30.
10 shs Burning Moscow at 68 per share.
10 shs Burning Moscow at 65 per share, s 10.
20 shs Burning Moscow at 70 per share, b 16.
10 shs Burning Moscow at 67 per share, b 3.
10 shs Burning Moscow at 67½ per share, b 3.
30 shs Burning Moscow at 68 per share, s 10.
10 shs Burning Moscow at 71 per share, b 15.
10 shs Burning Moscow at 71 per share, b 10.

AFTERNOON SESSION.

80 shs Daney at 25 per foot.
2 shs Hale & Norcross at 550 per foot.
10 shs Hale & Norcross at 510 per foot.
12 shs Hale & Norcross at 530 per foot.
2 shs Hale & Norcross at 520 per foot.
10 shs Hale & Norcross at 510 per foot.
2 shs Hale & Norcross at 525 per foot.
10 shs Caledonia Tunnel at 15 per share.
15 shs Caledonia Tunnel at 14 per share.
5 shs Caledonia Tunnel at 13 per share.
10 shs Wide West at 20 per share.

50 shs Wide West at 19½ per share.
20 shs Wide West at 17⅝ per share.
25 shs Wide West at 18 per share.
10 shs Lady Bryan at 3 per share.
10 shs Parmon at 8 per share.
101 shs Burning Moscow at 68 per share.
75 shs Burning Moscow at 69½ per share.
10 shs Burning Moscow at 68 per share, s 30.
1 shs Burning Moscow at 70 per share, b 10.
40 shs Burning Moscow at 70 per share, r w.
40 shs Burning Moscow at 70 per share.
10 shs Burning Moscow at 69 per share.
Amount of sales.....$98,086 00

Wednesday, November 16.

12 shs Ophir at 425 per foot.
48 shs Chollar at 998 per foot.
16 shs Chollar at 998 per foot.
4 shs Gould & Curry at 1370 per foot.
8 shs Hale & Norcross at 525 per foot.
5 shs Hale & Norcross at 530 per foot.
2 shs Hale & Norcross at 510 per foot.
10 shs Potosi at 980 per foot.
34 shs Dancy at 22½ per foot.
1 sh Yellow Jacket at 965 per foot, b 30.
1 sh Yellow Jacket at 967½ per foot, b 30.
1 sh Overman at 140 per foot.
1 sh Bullion, G. H., at 177½ per share.
10 shs Bullion, G. H., at 172½ per share.
5 shs Bullion, G. H., at 169 per share, b 30.
15 shs Bullion at 171 per share.
5 shs Bullion, G. H., at 171 per share, r w.
21 shs Golden Age & Empire at 13 per share.
30 shs Burning Moscow at 68 per share, r w.
50 shs Burning Moscow at 68½ per share, r w.
10 shs Burning Moscow at 65 per share, b 30.
10 shs Burning Moscow at 67 per share.
13 shs Burning Moscow at 66 per share.
1 shs Burning Moscow at 63 per share, s 10.
10 shs Burning Moscow at 64 per share, b 30.
10 shs Burning Moscow at 64 per share, r w.
10 shs Burning Moscow at 63 per share.
10 shs Burning Moscow at 62½ per share.
10 shs Burning Moscow at 62 per share.
55 shs Burning Moscow at 62½ per share, r w.
75 shs Burning Moscow at 62 per share, r w.
25 shs Burning Moscow at 61 per share, r w.
40 shs Burning Moscow at 60 per share.
20 shs Burning Moscow at 61 per share.
20 shs Burning Moscow at 60½ per share.
20 shs Burning Moscow at 60 per share, r w.
50 shs Pacific Insurance Co at 116 per cent.
$10,000 Legal Tender Notes at 13 per cent, s 30.
$ 5,000 Legal Tender Notes at 44 per cent, 20 days.

AFTERNOON SESSION.

10 shs Hale & Norcross at 550 per foot.
2 shs Hale & Norcross at 565 per foot.
10 shs Bullion, G. H., at 180 per share, b 30.
10 shs Bullion, G. H., 171 per share.
10 shs Sierra Nevada at 45 per share, b 30.
10 shs Parmon at 9½ per share.
10 shs Caledonia Tunnel at 12 per share.
40 shs Nevada, J. G. at 45 per share, b 30.
17 shs Bajazet & Golden Era at 23 per share, b 30.
10 shs White West at 15 per share, r w.
10 shs White West at 15 per share.
10 shs Wide West at 15½ per share.
19 shs Burning Moscow at 61 per share.
20 shs Burning Moscow at 62½ per share.
20 shs Burning Moscow at 61 per share, r w.
10 shs Burning Moscow at 61½ per share, b 3.
50 shs Burning Moscow at 61 per share.
10 shs Burning Moscow at 53 per share.
20 shs Burning Moscow at 58 per share, r w.
10 shs Burning Moscow at 56 per share, s 15
10 shs Burning Moscow at 54½ per share.
10 shs Burning Moscow at 60 per shares, b 30.
40 shs Burning Moscow at 55 per share, s 15.
Amount of sales.....$94,932 00

Thursday, November 17.

4 shs Gould & Curry at 1375 per foot.
6 shs Hale & Norcross at 540 per foot.
10 shs Hale & Norcross at 530 per foot, s 30.
2 shs Yellow Jacket at 980 per foot, r w.
4 shs Sheba at 40 per foot.
20 shs Chollar at 998 per foot.
12 shs Chollar at 1000 per foot.
10 shs Sides at 80 per foot.
5 shs Bullion, G. H., at 180 per share, b 30.
5 shs Bullion, G. H., at 169 per share.
5 shs Bullion, G. H., at 167½ per share.
5 shs Bullion, G. H., at 165 per share.
20 shs Bullion, G. H., at 165 per share, b 6.
10 shs Bullion, G. H., at 160 per share, b 6.
5 shs Uncle Sam at 215 per foot.
10 shs Wide West at 15 per share.
10 shs Wide West at 14 per share, r w.
10 shs Golden Age & Empire at 10 per share.
1 sh Empire M. & M. Co. at 550 per share.
2 shs Burning Moscow at 55 per share, r w.
10 shs Burning Moscow at 52 per share, r w.
10 shs Burning Moscow at 51 per share, r w.
20 shs Burning Moscow at 50 per share, r w.
50 shs Burning Moscow at 50 per share.
35 shs Burning Moscow at 48 per share.
80 shs Burning Moscow at 47 per share.
50 shs Burning Moscow at 52½ per share, b 30.
20 shs Burning Moscow at 46 per share, r w.
5 shs Burning Moscow at 46½ per share.
30 shs Burning Moscow at 43 per share, s 30.
20 shs Burning Moscow at 50 per share, b 20.
10 shs Burning Moscow at 50 per share, b 3.
90 shs Burning Moscow at 48½ per share.
10 shs Burning Moscow at 49 per share, r w.
10 shs Burning Moscow at 45 per share, s 20.
10 shs Burning Moscow at 45 per share, s 30.
20 shs Burning Moscow at 51 per share, b 30.
10 shs Burning Moscow at 50 per share, b 15.
10 shs Pacific Insurance Co. at 116 per cent.

AFTERNOON SESSION.

50 shs Pacific Insurance Co. at 116 per cent.
3 shs Belcher at 750 per foot.
10 shs Buckeye at 2¼ per share.
40 shs Bullion, G. H., at 160 per share.
10 shs Bullion, G. H., at 170 per share, b 30.
10 shs Nevada J. G., at 38 per share, s 30.
10 shs Burning Moscow at 43½ per share.
10 shs Burning Moscow at 44 per share.
50 shs Burning Moscow at 45 per share.
10 shs Burning Moscow at 46 per share.
20 shs Burning Moscow at 47 per share.
10 shs Burning Moscow at 46 per share, s 10.
10 shs Burning Moscow at 47 per share, s 10.
50 shs Burning Moscow at 51 per share, r w.
20 shs Burning Moscow at 50 per share, r w.
140 shs Burning Moscow at 50 per share.
10 shs Burning Moscow at 55 per share, b 30.
40 shs Burning Moscow at 49 per share.
20 shs Burning Moscow at 48 per share.
20 shs Burning Moscow at 52 per share, b 5.
20 shs Burning Moscow at 51 per share.
20 shs Burning Moscow at 48 per share, s 10.
100 shs Burning Moscow at 40 per share, s 60.
Amount of sales.....$87,605 00

Friday, November 18.

4 shs Gould & Curry at 1395 per foot.
32 shs Gould & Curry at 1400 per foot.
20 shs Gould & Curry at 1440 per foot, b 30.
12 shs Ophir at 432½ per foot.
12 shs Ophir at 425 per foot.
10 shs Sheba at 41 per foot.
2 shs Uncle Sam at 210 per foot.
5 shs Uncle Sam at 200 per foot, s 30.
5 shs Hale & Norcross at 545 per foot, b 30.
22 shs Hale & Norcross at 530@525 per foot.
10 shs Chollar at 1000 per foot.
10 shs Sierra Nevada at 41per share
30 shs Nevada, J. G., at 42½@42⅝ per share, b 30.
50 shs Nevada, J. G. at 40 per share.
20 shs Nevada, J. G., at 39 per share, s 15.
10 shs Nevada, J. G., at 39 per share, s 30.
70 shs Bullion, G. H., at 170@160 per share.
85 shs Wide West at 13½ per share.
10 shs Imperial at 145 per share.
20 shs Bajazet & Golden Era at 25 per share.
200 shs Burning Moscow at 50½@55 per share.
20 shs Burning Moscow at 49½@50 per share, s 30.
30 shs Burning Moscow at 58 per share, b 30.
20 shs Burning Moscow at 57 per share, b 10.
$ 5,000 Legal Tender Notes at 47 per cent, s 30,
$10,000 Legal Tender Notes at 48 per cent.

AFTERNOON SESSION.

35 shs Bullion, G. H., at 167½@168 per share.
12 shs Ophir at 420 per foot.
2½ shs Overman at 125 per foot.
15 shs Justice at 42 per share, s 30.
10 shs Jacks at 44 per share.
20 shs Wide West at 14¾ per share.
25 shs Wide West at 14 per share.
10 shs Burning Moscow at 50 per share.
30 shs Burning Moscow at 49 per share.
30 shs Burning Moscow at 48½ per share.
10 shs Burning Moscow at 48 per share, b 3.
50 shs Burning Moscow at 47 per share.
20 shs Burning Moscow at 48¼ per share.
10 shs Burning Moscow at 46 per share.
18 shs Buening Moscow at 47½ per share.
Amount of sales.....$104,602 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Monthly dividend ₱ ft.	Recent Assessments Per foot.	Total Ass'ts ₱ ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	25 00	30 00		July 23 $0; Oct. 12, $10.	45 00
Bajazet and Golden Era	4,000	1	4,000	500 00	23 00	26 00		July 30, $5. Aug. 3, $5.	18 25
Best & Belcher	224	4	896	500 00	—	800 00		May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	55 00	59 00		Jan 10, $15; June 24 $5	50 24
Burnside	2,800	1	2,800	500 00	—	5 00		Feb 10, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	750 00	800 00	$24		
Buckeye	3,000		2,800	100 00	2 00	3 00		Aug 15, $2, Oct. 21, $2.	23 20
Bullion, G. H.	2,560	1	2,500	200 00	165 00	170 00		Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—			July 12, $150 00	
Central	150	12	1,800	500 00	—	600 00		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	8 00	10 00		May 25, $3; July 12, $1½	19 50
Crown Point	600	4	2,400	1,000 00	725 00	800 00			100 00
Chas. Caney	1,800	1	1,800	300 00	—	15 00		Nov 30, $5; Mar 10, $3.	25 00
Chollar	1,400	4	5,600	800 00	1,000 00	1,000 00		Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	500 00	21 00	23 00		Sept 15, $10; Nov 7, $8.	66 00
Desert	2,200	1	2,200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—		Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	16	1,200	833 00	550 00	600 00	$25		
Gould & Curry	1,500	4	4,800	500 00	1,400 00	1,450 00	$50		
Grass Valley	4,200	1	4,200	500 00	—	00 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	525 00	540 00		July 18, $50; Sept. 13, $50.	425 00
Imperial	184		4,000	500 00	145 00	147 00	$7 50	Dec 22, $12 50 per share.	210 00
Iowa	1,200	1	1,200	1,000 00	—	12 00		Nov 18, $1; July 10, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	2 00	3 00		July 19, $3; Nov. 1, $5.	27 25
Lacerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	16 00	17 00		Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	500 00	30 00	40 00		July 20, $12; Oct 23, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00		Aug 0.$12½;Oct 18 $12½	140 00
North American	4,100	1	4,100	300 00	—	—		Mar 23, $20; Sept 2 $2.	
North Ophir	1,000	1	1,600	500 00	—	—		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	—	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	425 00	430 00	$48		
Overman	1,200	1	1,200	500 00	125 00	135 00		June 7, $30; July 7, $20.	
Potosi	1,400	2	2,800	500 00	760 00	800 00		Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	8 00	9 00	$5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	—	1,850 00	$75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	—		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	45 00	48 00		Mar 8, $5; May 16, $10.	96 00
Spanish No. 2	1,600	1	1,600	500 00	—	10 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	200 00	210 00		Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—		Mar 25, $10; Jun 18, $17½	27 50
White & Murphy	210	4	840	150 00	—	50 00		June 17, $20; Oct 0, $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	900 00	925 00		July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	60 00	—		Feb 10, $25; Sept 14, $25.	162 50
Bamboo	000	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	8 00			12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	—	12 00	$5		
Nevada	000	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	22 00	23 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,000	1	1,000	250 00	—	5 00		Jan 5, $3; Sept 20, $12½.	19 00
Wide West	2,600	1	2,600	500 00	14 00	15 00		Feb 15, $5; May 25, $5.	85 00

COSO DISTRICT.

Coso	26,000		3,000	600 00	—	—		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	—	—		Oct 10, $3; July 31, 50c.	12 00
San Carlos			2,500	100 00	—	—		Apr 14, $1½; June 0, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—		Sept 0, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	—	20 00		July 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	50 00	55 00		Mar 19, $10; Aug 12, $20	62 35

REESE RIVER DISTRICT.

Amador	1,400				—	—		May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oregon	800	2	1,600	500 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whitlatch	000	2	1,200	1,000 00	—	—		May 11, $10; June 25, $5.	16 00
Willow	2,800		1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 28, $1, Sept 5, $3,	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	— —		Feb 10, $30; Aug 23, $10.	150 00
Sradc Guadelupe	3,000	1	3,000	1,000 00	—	—			0 00
San Marcial	13,200	1	13,200	100 00	25 00	—			
San Nicholas	1,200	1	1,200	500 00	—	—		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00		Jan 16, $1½; Oct 5, $1¼	
Fellows	2,500	1	2,500	100 00	—	—			
Melones	3,000	1	3,000	50 00	6 00	9 00		May 4, 2½; June 30, $2½	
Napoleon	2,700	1	2,700	600 00	— —	80 00		Feb 13, $30; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	—	25 00		June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.	Oct. 10th.	Oct. 20th.	Nov. 1st.	Nov. 10th.
Gould & Curry.....per ft.	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300	$1,380	$1,610	$1,650	$1,335
Ophir	1,200	825	920	850	720	725	670	425	450	500	490	460	300	350	355	455	415	435
Savage	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,250	1,225	1,400	1,800	1,850	1,900	1,800
Potosi	900	850	850	950	1,000	900	1,000	925	875	900	800	800	660	720	700	750	850	825
Chollar	650	500	575	515	375	425	300	300	325	475	550	650	660	690	890	950	1,000	1,000
Hale & Norcross	525	500	425	350	375	350	....	310	....	300	480	425	240	350	350	465	490	1,000
Sheba	100	90	90	80	75	70	50	40	25	20	80	95	75	70	67	65	62	53
Daney	....	60	....	50	....	50	45	30	35	....	35	30	....	20	....	27	20	20
Wide West	22	20	15	12	10	8	7	20	17	18	20	31	27	25	28	26	23	23
Burning Moscow	55	52	45	40	23	15	13	12	15	18	20	19	27	60	62	72	37	40
Pride of the West	18	8	10	5	6	3	2	....	2	....	2	....	2	8	6	7	7	8
Bullion	70	68	65	70	65	50	50	40	30	....	....	40	40	55	80	110	145	155
Real del Monte	48	40	41	32	23	15	12	11	15	18	14	15	19	35	25	25	24	25
El Dorado	....	....	....	....	....	....	10	8	10	12	5	....	....	....	....	....	....	....
Overman	....	....	200	200	250	200	....	250	225	....	150	175	160	....	185	165	165	130
Sierra Nevada	55	....	....	....	....	20	15	16	15	....	10	22	20	....	20	42	50	45
Yellow Jacket	750	750	650	900	850	700	600	450	400	450	375	400	575	600	725	800	970	950
White & Murphy	....	....	....	....	....	....	200	....	....	....	....	....	....	....	25	30	....	40
Sides	....	....	....	....	....	....	200	....	....	175	....	....	....	....	20	....	....	....
Uncle Sam	700	650	700	610	....	400	350	250	190	210	200	200	....	200	350	210	190	180
Baltic	65	75	70	55	45	40	22	15	13	13	16	24	23	22	30	31	20	18
North American	110	122	120	90	65	62	54	30	....	25	25	26	130	25	55	40	....	40
Baltimore American	47	35	....	50	40	42	35	30	32	20	50	15	25	....	25	26	....	....
Melones	15	20	15	....	12	10	12	9	13	17	13	13	....	....	13	12	....	8
Antelope	147	....	125	120	100	55	70	50	....	....	14	12	20	15	20	45	65	100
Napoleon	75	70	80	75	70	55	60	45	....	50	60	....	....	....	75	....	70	....
Sacramento	50	50	45	....	....	....	20	....	....	....	....	....	....	....	....	....	....	....
Utah	....	....	28	26	50	18	15	18	15	....	....	....	5	6	5	5	....	....
Lady Bryan	35	23	32	25	25	10	4	5	4	5	5	7	5	9	6	6	3	3
Imperial															149	151	155	148

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President.

Mechanical.

The Portland Boiler Works, Mission street, between Fremont and Beale streets, have in their works a new punching machine, which is said to be superior to any other punch in the city. The owners have got up this machine at a great expense, and are well satisfied, as it gives general satisfaction. It will punch a hole six inches in diameter, and can be regulated so as to punch all the smaller holes required in boiler-making. It punches the tube holes through a sheet of boiler plate ½-inch thick, and requires but very little labor—one man can work the machine. Messrs. Moynihan & Aitkin have a very superior set of tools on hand, and can now do all branches of boiler-making with dispatch.

A Small Invention with Great Results.—The science of saving waste is one of the most useful in the world. Whoever invents anything that tends to save waste, is a world's benefactor. M. Pinner of this city is such a man. He has invented a plan for soldering up tin cans, used to preserve fruit, etc., that saves cutting open the cans, and thus saves them for use again. It is done thus: A small wire is laid under the cap to be soldered over the hole, through which the case is filled, just within the edge to be soldered. One end is left protruding, so that it can be wound around a key, and by continuing to turn it, the cap is ripped off almost as fast as one could tear paper, and the can is left entire and fit for use again. We showed it to an old campaigner, who has been where the trail of the army was marked by wasted cans, and seen sundry pocket-knives broken in trying to cut open the stubborn tin, and he at once exclaimed, "What a grand Yankee invention. Small as it is, it will have great results." Upon explaining that it was a French and not a Yankee man who made the invention, our friend replied "that it was at least worthy of a Yankee paternity, as it was simple, economical and useful." So think we, and so commend it to "all whom it may concern."—*N. Y. Tribune.*

Mr. Fowler, of steam-plow celebrity, has just patented a horse shoe. In this invention the important object, it is said, has been obtained, of introducing a spring under the horse's foot in such a manner as to lessen the blow so fatal to the soundness of horses which have to travel over hard stones instead of their natural pathway—the turf. If any elastic material is introduced between an ordinary shoe and the hoof the rebound of the spring tears the shoe from the foot. To obviate this difficulty, Mr. Fowler uses a double shoe, and places the elastic between them. The second shoe is connected with the foot by means of rivets, which hold it firmly, but allow the necessary, movement for the spring to act.

An ingenious method for throwing a rope to a ship in distress has been imagined by M. Bertinelli, of Turin. It is well known that this is generally done by means of iron projectiles, which sink below the water if the rope they carry be too short. M. Bertinelli's projectile is made of wood, which, though heavy enough to be shot to a great distance, is sufficiently light to float on the water, thus giving the crew in danger an opportunity of reaching it by some means or other if it should happen to fall short.

The entire railway business of France is done by six companies; the largest of which is the Paris, Lyons and Mediterranean, whose length, including trunk line and branches, is 3,609 miles at an estimated cost of $251,000,000. The working expenses for 1862 were some forty-four per cent, of the gross receipts. The dividend paid was fifteen per cent., and a dividend of fifteen per cent, has just been declared from the profits of 1863.

A Weatherometer.—A new invention, calculated to supplant the barometer, is called the aelloscape. Aelloscopy is that branch of meterology which is concerned with storms, and might be called storm-forseeing, or storm-prognosticology, and this instrument is called an aelloscope, because it is so constructed that it never fails to give timely warning of the approach of a storm.

The Lowell Machine Shop Company is fitting up the machinery for a new cotton mill, at Sinaloa, on the San Lorenzo river, near the Gulf of California, in the west of Mexico. The mill will contain 1,280 spindles and thirty-two looms. The cotton is raised on plantations in the neighborhood.

Fastenings of Armor Plates.—In the recent experiments at Shewburyness, Eng., it was found that armor plates fastened to ships' sides by large wooden screws hold much better than those secured through bolts and nuts.

Mining Reports.

REPORT
Of the Daniel Webster G. & S. M. Company.

To the President and Directors of the Daniel Webster G. & S. M. Company, Devil's Gate District, State of Nevada.

Gentlemen:—In compliance with your request, I left San Francisco, on Monday, the 10th, of October, 1864, for the Devil's Gate mining district, State of Nevada, and proceeded to make an examination of the mine and works of the Daniel Webster Company.

The following report which I now submit you, is the result of my observation thereon, and which I have made as concise as possible without omitting any detail entitled to notice.

The Daniel Webster Company's claim is located about eighty chains to the south of the City of Gold Hill, and from Virginia City (where mineral resources are acknowledged to be exceedingly great) about one hundred chains to the south west, as indicated upon the plan herewith presented. The geological features which here prevail, are somewhat similar to those of Virginia and Gold Hill, with perhaps a more abundant exhibit of micaceous slate on the surface, which is at once a most promising indication, as it is also the most congenial to the existence of gold. The gold bearing rock is chiefly a talcose slate, that is a slate resembling soap stone, but which does not feel as greasy. This slate is red and ferruginous at the surface, at a greater depth it is filled with small crystals of iron pyrites, which are decomposed near the surface and appear as peroxide of iron, which colors the slate brown, and in a few instances, yellow. It is of various grades of hardness in those places where the ground or rock has been exposed to more heat than elsewhere. It is a metamorphic rock and runs in regular belts, which is a stratification known to be most productive of the precious metals, indeed, it is the proper matrix for gold, and wherever this metal is to be found in great abundance it will be in such formations.

After my first examination of the stratification and outcrop of this lode at the surface, I turned my attention to the underground sections. The tunnel has been driven two hundred and seventy-five feet, with the design to intersect two lodes, viz: a "blind ledge," marked No. 1, on diagram, and the Daniel Webster. The first mentioned lode is chiefly of decomposed quartz in which iron pyrites are abundant and is of the undoubted value of sixty to seventy dollars per ton, in gold and silver.

The lode of the Daniel Webster, intersected by the same tunnel at a depth of one hundred and forty-five feet below the surface, as shown in the plan, is from eight to ten feet wide, principally composed of quartz and iron pyrites, as also small portions of talcose slate. The vein here, for thirty-five feet in length to the south, is worth from forty-five to fifty dollars per ton. This of course is only an approximation, as I had no means whereby to actually test its richness. I, however, estimate its value thus, with all confidence, certain that if an actual test were made my estimate would be found on the safe side. The lode in the south end has been opened thirty-seven (37) feet, from its intersection by the tunnel. It is from four to five feet wide throughout and with a most promising appearance, and I would most unhesitatingly recommend you to prosecute work on this section of your mine with all diligence, confident that the operation will be a paying one and highly remunerative to the company.

The north end is driven about fifteen (15) feet from the cross cut, and at this point the vein is fully ten (10) feet wide, and is equally as rich as that of the south extension, some samples of which I have left at the office of the Secretary for examination. I shall also recommend you to drive this level, as I am satisfied that it will intersect the cross course or dyke which is running east and west and cutting through each lode as it penetrates so far as can be seen, and it is seldom if ever that a lode or vein thus interseeted has been found without valuable deposits of metal; this is a fact well known to all practical men. I should also remark that a careful examination of the western walls shows that there is yet a portion of the lode undeveloped, and which would certainly be found on driving a further eight or ten feet, and it is my opinion that you will find the best and most productive portion of your lode resting on this wall. It is also worthy of mention that from the adit level there is about one hundred and forty-five feet of the lode which will at once furnish perhaps from seven to ten thousand tons of quartz of great richness as will be noticed hereafter. I also find that you have a shaft sunk below the adit level to a depth of forty six feet. The lode in this shaft will average eight feet wide, and I should remark that here also the western wall has not yet been reached. As to the productiveness of this lode, I should consider it quite as good as any other portion of the mine. There is also a level driven at the bottom of this shaft forty feet to the south; the lode in this distance, is not so large as that on the level above, and it is, in my opinion, only a branch or scam from the main lode. This I discovered by a careful examination, having tested the bearings instrumentally and by exact measurement. I find that the true lode is about seven (7) feet farther to the west, and which, of course, you will have to cross cut for.

The character of the vein, which has been driven for at the bottom level, has a very favorable appearance for silver much more so than for gold. I shall recommend you to continue this shaft until the water necessary for your works has been obtained, as there cannot be a doubt but that by so doing, you will meet with profitable results, you will then prosecute the development of your vein both north and south and work from the level instead of the bottom, which is the proper manner and which can be done at one half of the expense.

There is now exposed and easily accessible, in the various shafts and levels of the "Daniel Webster" a large quantity of ore, say as follows: one hundred and forty-four fathoms in the mine proper that will yield according to estimate quite as much as ten tons to the fathom, which will be—say, fourteen hundred and forty tons. In the bottom of the adit level there is by admeasurement some fifty-six fathoms, which at the same rate, would equal five thousand six hundred tons, making a total of upwards of seven thousand tons which can be made almost immediately available.

In conclusion after a careful examination of the various mines in the vicinity of Virginia City, Gold Hill and Silver City, I have no hesitation in affirming that the "Daniel Webster" Company possess a claim which in extent and richness is second to none. That by judicious management it may be made highly remunerative at an early day; is to my mind a settled fact. I will however take the liberty to direct your attention to what is all important if not an absolute necessity, in mining profitably, it is this: That the work should be superintended by a thoroughly competent person whose scientific knowledge and practical experience, will insure at once economy in the working and returns that will truly test the capacity of the mine. Were the sugestions contained in this report duly carried out it is beyond a conjecture that the "Daniel Webster" would soon furnish its shareholders with gratifying dividends.

There is everything to justify the company in pushing on their works with great vigor. The property is an extensive one, its richness and value cannot be questioned and it is now in a fair way to produce returns as an investment. In short in all my experience, and it has been a long one as a mining engineer and metallurgist, I have met with but few mines that presented a more favorable aspect than the "Daniel Webster." It requires but one thing, a fully competent manager to make it one of the best properties in Nevada. Your ob't. serv't.

Wm. Burgoyne,
Mining Engineer.

San Francisco, Oct. 20th, 1864.

REPORT
Of the Daniel Webster G. & S. M. Company.

Devil's Gate District, Nevada,
November 13th, 1864.

To the Secretary of the Daniel Webster G. & S. M. Co.

Dear Sir:—Herewith I beg to hand you a report of my operations since the re-commencement of work upon the "Daniel Webster." The short period I have been in charge, coupled with the necessary difficulties in getting all matters and things into good working order, will be obvious to you and account for the brevity of my remarks. I am happy to say however, that although my remarks are brief, they will furnish some evidences of progress, nor have I anything to say but what is of a favorable nature.

Upon the No. 1 lode, as it is classified in my previous report, I have had two men engaged in rising on the back and extending the level north and south. The lode or vein at this point is about two feet wide, and is producing very rich gold ore, I should say worth from one hundred to one hundred and twenty-five dollars per ton, and the entire cost and charges for obtaining this ore will not exceed twelve dollars per ton. It is hardly necessary for one to say what a valuable property the possession of a lode of this description is to any mining company.

On lode No. 2, "the Daniel Webster," we have been driving north on the course of the lode. The vein in this northerly extension has much improved in appearance both for gold and silver, more so for the latter, and judging from the stratification of the ground, I should say that it will still further very materially improve. The lode here is about six feet wide, principally composed of quartz, feldspar and sulphurets of iron, accompanied with the most congenial pockets for silver sulphates. I have only had two men employed on the end but on Monday next, the 14th inst., I shall put on two more, which will keep the work in progress both night and day.

It will be necessary for me to particularize the different sections of the mine upon which I have commenced developments. I commenced stopeing or taking out in the bottom of the adit level at the point of intersection with the tunnel. During the last fortnight we have stoped or taken out on the western part of the lode, eighteen (18) feet in length, by about twelve feet in depth, from the end of the shaft sunk below the level. The lode in this stope is about three feet wide, yielding remarkably rich gold and silver ore. I should remark that this is only a branch of the main lode, by stopeing along which we uncover the main lode, which I shall commence taking down next week. The horse or stratum which separates these two lodes is not more than three feet wide, which will enable us to work very conveniently and give us ample access to both lodes. I have also had men working in the back of this level on the main lode of the Daniel Webster, but not having a sufficient number of hands at work, I deemed it advisable to stop operations at this point until I could secure practical miners, adapted to this peculiar work, which I am happy to say, I now have. The lode in this rise presents a very flattering appearance, and I consider it to be only a question of time, and very brief time at that, when we shall be able to realize therefrom very handsome returns. I have not had any work done in the south end at this level, having merely cleaned out the section and made preparations to begin driving next week, when judging from the characteristic stratification, and the general aspect of the lode, we shall have without doubt a productive grade of ore from this point. It is my present intention to push on the north end to the intersection of the cross course as quickly as possible, as therein I am satisfied we will obtain very rich deposits of gold and silver, we shall also be able to extend our adit or cross cut to intersect the various lodes belonging to this company, at less than one half the cost it could be done for by driving in any other manner.

Before I conclude my report, I have much satisfaction in saying that we have now on the surface, a great many tons of ore selected and prepared for crushing, and I have been occupied in making arrangements to rent a mill for the purpose of crushing this rock, which arrangement I hope to conclude during the ensuing week. We have many thousand tons of ore in this mine, that would yield handsome profits if the company had mill power and other requisites for the work, but which would not pay at the exhorbitant charges for crushing here. I am therefore obliged to select the richest portions, and reject the remainder for the present, or until we have a mill of our own. I am pleased to be able to say, however, notwithstanding these difficulties, that the mine, in its present condition, will prove a good investment, and that its ultimate return of profits will be unparalled in the history of mining on this coast. I have no hesitation in saying that during my long experience as a mining agent and metallurgist, covering a period of about twenty five years, I have never met with a more favorable prospect for any company than the shareholders of the Daniel Webster now enjoy. I have the honor to be your ob't servant.

Wm. Burgoyne,
Mining Engineer & Metallurgist.

The foregoing are true copies of the Superintendents reports, on file in the office of the Company, 512 Sansome Street.

Alex. Stott, Secretary.

Nature provides for the distribution of oysters in a very curious manner. Oyster spawn is at first light, and is easily carried from the parent oyster by the tide. Gradually the spawn rises to the surface, and the instant it is exposed to the atmosphere its specific gravity is apparently increased, for it suddenly sinks, and whatever solid substance it first touches in its descent to the bottom it makes its home, whence it seeks nourishment, and commences growing to maturity.

Mining and Scientific Press.

W. R. EWER, ... SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must and receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventions can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Nov. 19, 1864.

WAR AND PROGRESS.

The continued existence and burthens of the present gigantic war, do not appear to materially interfere with the industrial progress of the loyal portion of the country, either in the mechanic arts or agriculture. Our commerce has suffered severely, however, in consequence of the presence upon the seas of a fleet of rebel cruisers, which, in this age of steam, it is impossible to destroy by the most vigilant ocean police within the reach of any nation. The records of the Patent Office afford the most abundant evidence of the present progress of invention, while the reports of the Commissioner of Agriculture show that, with a trifling discount in one or two particulars, we are constantly increasing the agricultural productions, notwithstanding the immense drain of the war upon our laboring population. The Commissioner of Patents, who, from his peculiar field of observation, must be accepted as the best attainable authority, says :—"The war, instead of checking, has stimulated our creative power in every branch of industry." The record of the material productions of the loyal States would be almost incredible, under our present embarrassed condition, were not the results demonstrated by the most incontrovertible facts.

The sword has not yet superceded the plough-share and praning-hook, inasmuch as in 1863, although we have recorded patents for two hundred and forty different war implements, we have in the same time brought out no less than four hundred and ninety inventions of agricultural implements. During the same time the whole range of mechanical industry has received numerous accessions in the simplification of labor—the genius of our inventors having been directed by the peculiar wants and necessities of the times.

For instance, the scarcity of cotton in the loyal States has attracted attention to the preparation of fibre from flax and hemp. Several patents have been issued for machinery designed to produce from these products a material to be used as a substitute for cotton which can be spun upon ordinary cotton-spinning machinery. The efforts in this direction, though not yet fully successful, show progress and promise ultimate results of great value. The scarcity of paper material has set our inventors to work to procure paper pulp from wood, reeds, straw, etc., in which they have attained most important success.

The wonderful developments of the petroleum business have opened a new, extensive and still increasing field of industry. The inventions in this department, in the way of stills, condensers, lamps, etc., are very numerous. The demands for the different products of petroleum are constantly increasing, and the large commerce growing out of it gives employment to a great number in the manufacture of tanks, barrels, etc., and in the large amount of transportation required. A vast amount of ingenuity has been expended in efforts to produce oil-tight casks for holding this fluid. No less than fourteen patents have been taken out for this purpose, and as many more for tanks and cans.

The deficiency in the Southern sugar crop, by reason of the war, has led to many experiments and numerous inventions in apparatus for evaporating the juice of the Chinese sugar cane, or sorghum. This business has already been brought to a very great degree of perfection, and the attention of inventors is now being directed to the making of sugar from the syrup. The indications are that this new sugar plant will soon, under the present stimulus, become as profitable for the manufacture of sugar as it already is for that of syrup.

In the department of agriculture, the continued and increased production of the loyal States is almost incredible under the circumstances. In order to afford some idea of the magnitude and almost universal increase of crops, we subjoin the following figures, derived from an authentic source :—

PRODUCTIONS.	1863.	1864.
Wheat, bushels	138,000,000	191,000,000
Oats	152,109,000	174,888,000
Rye	18,792,000	20,798,000
Barley	15,433,000	16,570,000
Corn	547,029,000	452,446,000
Potatoes	107,357,000	101,457,000
Tobacco, lbs	220,343,000	267,302,000
Hay, tons	19,073,000	29,000,000
Wool, lbs	56 183,000	75,405,000

It will be seen from the above that only two items—corn and potatoes—show any decrease, and that but a slight one. It should also be taken into account that the season of 1859 was a very favorable one, while that of 1863 was the reverse.

It must be apparent from the above that war does not stop the progress of invention in the loyal States, and exerts but slight interference with the pursuit of agriculture. War, with us, seems to call forth increased industrial energy, and merely turns our inventive genius into such new channels as the exigency of the times seem to demand. An invulnerable vessel is needed, and an Ericsson is found to produce it just at the critical moment it is wanted. A new and monster class of artillery is needed to destroy the formidable ironclads of our enemy, and a Rodman is found who is able to astonish the world with the production of a cannon of a weight and calibre heretofore considered far beyond the reach of human ingenuity. Improved small arms are wanted, and they are produced with all the facility of works in fairy tales. Our farmers are called from the peaceful walks of agriculture to mingle in the deadly strife of the battle-field, and our mechanics immediately set their ingenuity to work to invent agricultural implements to supply the deficiency of labor thus produced. Inventions in this direction have formed quite a feature in the Patent Office during the past two years, and have contributed largely to the favorable exhibit which is made above of this leading branch of industry. Necessity leads to invention, and as necessities occur or are created, they are constantly met by our people with corresponding inventions. With Americans, the genius of invention has only to wave her magic wand, and the "*open sesame*" is found which supplies all our wants. The history of the past four years has most abundantly proved the wisdom of our Government in giving aid to inventors, for that class of our population has most emphatically proved itself—in war as well as peace—the prompt supplier of our country's needs and the conservator of the nation's honor. Hence it is that we have astonished the world alike with the vigor of our early growth and with the energy with which we have carried on, for four years, the most gigantic war in history, without any material diminution in the progress of our people in arts, agriculture, or population.

THE steamers Golden Age, of the Pacific Mail Company's line, and the America, of the Opposition line, sailed on Monday—the former for Panama and the latter for San Juan del Sur, both carrying a large number of passengers. The amount of treasure shipped per Golden Age is $1,067,454.78; of which $685,576.24 goes to England, $376,878.54 to New York, and $5,000 to Panama. The rates of fare by the steamer Golden Age were : Chief cabin, $213 and $135; second cabin, $70; steerage, $48, exclusive of the stamp duty.

HOME FINANCES.

The money market has exhibited rather more activity during the week, and a good demand has prevailed in some quarters. Country remittances have not come forward of late with much regularity, and we hear no little complaint of the inability of interior dealers to meet their engagements in this city. Country credits have, however, during the current year, been more restricted than formerly, and we do not think it likely that much inconvenience will arise from any tardiness in that direction at this time, for the reason that the indebtedness of these country merchants to San Francisco must necessarily be insignificant. Our merchants generally are doing well and have maintained throughout the year a credit equal to that of any other class in the community.

Some important transactions have taken place, within the past few days, in real estate, and this interest is evidently attracting more attention from capitalists and others, both as a collateral security for loans and for purposes of investment. The growth of San Francisco, its increasing wealth and population, are clearly apparent to every one, and its future will probably be no less brilliant, than are its prospects now. A large amount of capital was recently transferred to this city by Eastern parties, and on last steamer day, because of this large balance in New York at the credit of San Francisco and subject to draft, the demand for bullion for the present was much lighter than usual and exchange was also ½ ℔ cent. lower.

Telegraphic Transfers were sold at 4½@5 ℔ cent premium, and drafts payable in coin at 2½@3 ℔ cent premium. At these rates but a small profit, if any, can accrue to the shipper of bullion. More than $500,000 in bullion, were shipped to China this week, and Oriental markets henceforth, are likely to absorb a good deal of our treasure in this way. Receipts from the interior since Friday last amount to some $1,200,000. Gold bars are plentiful and are offered at 835@840. Silver ranges from 2 ℔ cent discount to 3 ℔ cent premium. Legal tender notes have been comparatively steady at 45@46 ℔ cent with a fair demand.

Latest telegraphic advices from the East quote gold in New York at about 245.

CALIFORNIA.

LOS ANGELES ITEMS.—We clip the following items from the Los Angeles *Star* :—

Quite a large number of miners arrived by the last steamer, who are destined for the several mining districts on the Colorado. Mr. Ryland, Superintendent of the Planet Mining Company, Williams Fork, also arrived, who will go forward immediately and prosecute the thorough work already in progress upon the Planet, one of the richest copper mines on the Pacific coast. A large shipment of ore from the mine above named has been received in San Francisco, which brought an advancement of over $100 per ton; still another shipment of ore is probably on the way to market, with a third shipment accumulating at the Planet landing, from which it is short of twelve miles, by an excellent road, to the mine. The Planet is a reality, and will soon pay as well as the best mine on the coast.

A letter from the Colorado gives encouraging accounts of matters and things along the river, and the mining region of Arizona. The steamers are constantly plying on the river, transporting machinery for the mines, and goods for the merchants. Since the establishment of the opposition line of steamers on the river the imposition so long practised on the people has been done away with. Mining companies are busy opening up and developing their lodes.

A private letter from Williamsport, Eureka District, Arizona Territory, bearing date in the early part of the present month, states that the steamer Nina Tilden, in command of Capt. Gorman, had arrived at that point, and that the steamer Mojave was but a short distance below; the steamer Esmeralda was reported above. It was expected that each of the steamers named would take down a considerable shipment of ore, as large quantities of it had been placed upon the bank of the river, at the various steamboat landings, during the past few months.

CATALINA ISLAND.—The *Star* learns by late arrivals from the locality above named that the work of mining is progressing rapidly; a large number of lodes are being opened. Paying ore is being taken out of the Yellow Jacket and Ne Plus Ultra in large quantities. The *Star* of November 1st says that Mr. J. Moss arrived there last week, bringing with him a quantity of rich ore from the Moss lode.

NEVADA.

THE Virginia *Union* is informed that the Hale & Norcross mine, on the Comstock ledge, at the 500 feet level, and also at the 550 feet level, have just struck some very rich ore, much richer than ever before. How large the body of it is, they have not as yet ascertained, but it is known to be extensive. Preparations are being made for working it on a large scale. In the Challar mine they are reported to have struck it richer than ever in the lower level. The ore is said to be similar to the richest from the Mexican or Ophir.

GOULD & CURRY—MORE IMPROVEMENTS.—We are all of us either directly or indirectly interested in the success of the famous Gould & Curry mine, because it is regarded more than any other as the representative one of Washoe, if not of the Pacific Coast. It is here to mining stocks what the Bank of England is to the currency of the British Kingdom. The Gould & Curry would seem to be slowly, but surely, regaining its former market value, and work thereon is being conducted with an increased vigor. The new, or D street shaft, through which it is designed to hereafter take all the ore, is now down to the level of the lower tunnel, or two hundred and twenty five feet. Mr. Robert G. Carlyle, Chief Engineer of the Company, (and, by the way, a nephew of the great Thomas Carlyle,) is now in this city, for the purpose of procuring the hoisting machinery necessary for the newly made shaft. This machinery will consist of an eighteen-inch bore and three feet stroke engine, boilers, reels, a twelve-inch pump, hoisting apparatus, etc. Already the contract for boilers has been given to the Vulcan Foundry. When this D street tunnel will have been put in operation, we may look for another and permanent advance in Gould & Curry.—*Call.*

THE COMO MINING DISTRICT, NEVADA.—The VIRGINIA CITY *Union* of the 9th November says :—

The irrepressible citizens of that little town, Como, are determined on developing some of their ledges, even if the times are hard, and have never ceased operations altogether, although many of the claims had to be allowed to rest for the present. The Dayton Company, on the Montgomery ledge, have their shaft down to the depth of 150 feet and have a well defined solid ledge twenty feet thick, of a very superior quality of quartz, which assays very well indeed. They are about having a large lot of it tested by the milliag process, and from the assays, it is expected to yield about $30 to the ton. The Comet Company, on the old Goliah ledge, have their new double shaft down to the depth of fifty feet, and are now engaged in timbering it in a thorough manner from top to bottom. The Lancaster Company, next adjoining the Lyon Company, on the Walker ledge, at the depth of about thirty feet have a fine solid ledge about twenty feet in width, of the best looking quartz in the district. They sent a lot of the ore to San Francisco a short time since, which was tested by regular milling process, yielding $33 in silver and $27 in gold to the ton. The stock is mostly held in San Francisco. Next south of the Lancaster is the famous Montezuma, one of the finest ledges in the district, but which is now lying still for lack of funds to carry on the work. The rock from this claim has always been rich, and the company expect soon to be able to recommence sinking their big shaft, which is now seventy-eight feet deep. The mines about Como, are really good, and will create a big excitement *bye-and-bye*.

REESE RIVER.

MACHINERY FOR REESE RIVER.—It speaks well for the Reese River mines that the mills there appear to be fully employed, and that several are making arrangements to increase their capacity by the addition of new machinery. Additional machinery for the Union mill at Austin has recently been sent over the mountains from the Union foundry in this city.

THE Humboldt *Register* says that the sales were light last month, but foot up $900, against $300 expenses—which is better than paying assessments.

METHOD OF DETECTING DECAY IN TIMBER.—We learn from the *Cosmos* that a simple method has been adopted in the shipyards of Venice, from time immemorial, for testing the soundness of the timber. A person applies his ear to the middle of one of the ends of the timber, while another strikes upon the opposite end. If the wood is sound and of good quality, the blow is very distinctly heard, however long the beam may be. If the wood was disaggregated by decay or otherwise, the sound would be for the most part destroyed.

MELANCHOLY DEATH OF A LOVER OF SCIENCE.

We are paiued to recurd the suddcn and melancholy death of our esteemed friend and most valued correspondent, Edward A. Miles, Esq., of Sacramento. Mr. Miles was a young gentleman of rare promise, and most ardently devoted to tbe cause of science. Though never having enjoyed the opportnuities of a liberal education, he had nevertheless stored his mind with an amount of practical information in relation to the natural sciences and mechanics, which, at the early age of twenty-eight, was already introducing him prominently to the scientific world, as a profonnd and original thinker and a ready and able writer. He was most emphatically a self made man and the ability and amount of originality displayed in his correspondencc with various scieutific publications, fully attested to the earnestness and fidelity with which he has pursued bis work of self-education. He has been suddenly cut off in the prime of life and at the very threshold of his usefulness.

Mr. Miles was a noble hearted yonng man, modest and unobtrusive in his manners, and respected and beloved by all those who knew him best. Sincere in his friendships, he was also most earnest and houest in his opinions. Whatever emanated from his pcn bore most unmistakable evidence of this latter trait in his character. His correspondence with this journal is fully alluded to below, in the extract which we give from one of our city cotemporarics. At the time of bis death he wns engaged in the preparation of an important scientific paper, which wae to have appeared in a few weeks, in a series of numbers, in the Mining and Scientific Press. Mr. Miles was a single man, and leaves no relatives on this coast. He was boru in Lansinghurg, Rensselær county, N. Y. His father's name is William H. Miles, the pioneer manufacturer of a superior quality of hrusbes. Himself and son are now still partners in the firm, at 117 John street, N. Y., their residence being in Brooklyn. Besides these tbe deceased leaves a mother, tuo hrothers and several sisters, who will feel keenly the hitter hlast which must hreak so suddenly upon their social and kindred circle, when the news of his melancholy death shall reach them. The funeral of the deceased was respectfully attended at Sacramento on the 17th, and his remains now rest in the City Cemetery, in a lot purchased hy the kindness of his frieud, Mr. H. T. Holmes.

The circumstauces of Mr. Miles' death, and of the two mcn who perished by the same accident, are furnished us by Mr. Holmes, who, in response to a telegraphic dispatch, immediately repaired to the scene of disaster, and remained until the corpse could be obtained. Mr. Miles left Sacramento on Sunday morniug, the 13th inst., on the cars for Newcastle, from which place he went to the Alabaster cave, six miles distant, arriving at 11½ o'clock A. M., his object being to explore the Home copper mine, in the immediate vicinity nf the cave. The only shaft by which this mine is worked is about two hundred and seventy-five feet deep. It runs a small portion of the distance perpendicularly, hut further down inclines with the angle of the ledge. It is supplied with ladders which run the entire depth. It has been worked day and night. The workmen had left it at 4 o'clock on the morning previous to the visit. Mr. Miles in company with one of the workmen named Davidson went into the shaft, going down the ladder. Over the mouth of the shaft stood a frame building. Some time after Miles and Davidson had gone down the shaft this building was discovered by those who resided in the vicinity to be on fire. It was supposed that one of them, in lighting candles to take down, had thrown down a lighted math, from which the fire originated. Great alarm was at once experienced for the safety of the two men. No means were available for extinguishing the fire, and nothing could he done until the timbers were consumed. Not until nearly midnight could any effort be made to enter the shaft. At that time the foreman, Henry Alby, and a workman named Stein, started down. Alby had a rope tied around his waist, by which, in case of necessity, he could be drawn up. He went ahead and Stein followed. When he hae attained a depth of about fifty feet he told Stein to go back that he could not breathe where he was, and gave the necessary signal and was drawn up. Alby was found to be greatly exhausted, hut soon revived. In a short time Stein resolved to make another attempt to go down, saying that Miles and Davidson were probably suffering for want of assistance, and that he believed he could save them. His friends urged him to tie a rope around his waist, by means of which he could be drawn up, if necessary, but he refused to comply. Starting down without taking that precaution, he was followed by a fellow workman named Smith. When sixty feet deep Stein told Smith to go back, and added that he must have some assistance to get up. Smith hastened down to him, but before getting within arm's length of him Stein dropped from the ladder and fell down the shaft. The sound of his body striking on the sides of the shaft could be heard until it reached the bottom.

After the occurrence of this terrible incident all further efforts to descend were suspended, until the next morning. At that time a Cornishman, named McGruger resolved to enter the shaft. Having fasteued a rope around his body, he descended by the ladder about two hundred feet. At that point the men above discovered that his weight rested on the rope and the rope was drawn up as rapidly as possible. McGruger was found to be entirely unconscious and nearly dead. He had almost suffocated for want of breath, and had been, to some extent, injured in being drawn rapidly up the shaft. No further effort was made to descend that day. On Tuesday morning, Smith and Alby again determined to descend. At a depth of 163 feet from the surface a drift had been started from the shaft, running some thirty feet in distance. In this drift Alby found the dead hodies of Miles and Davidson. They had evidently attempted to escape on discovering the building overhead to be on fire, and after ascending a portion of the distance, had sought refuge in the drift. Both hodies were lying upon the floor of the drift, with their faces down.

As early as possible on Sunday evening a large canvass hose was introduced into the shaft, extending to near the bottom, and by means of a large pair of bellows, fresh air was forced down. This work was kept up steadily, day and night, by the volunteer labor of some fifty or sixty men, who had assembled from the vicinity. Smith and Alby were nearly exhausted when they came up, but they managed to introduce the hose into the tunnel beyond the location of the two bodies. After pumping down a large quantity of fresh air, one of them descended again, and the bodies were brought up.

The remains of the noble and self-sacrificing Stein had not been recovered when Mr. Holmes left the mine, they having probably lodged upon the debris lower down in the shaft. The death of the parties was probably caused by the entrance of noxious gasses into the shaft, in consequence of the rarefaction of the air by the fire at its mouth. We subjoin the following tribute to the memory of Mr. Miles, from the *Daily Flag* of the 17th inst., published in this city.

Thus perished a really brilliant young intellect. Thus perished Edward A. Miles, a young man who, had his life been spared, was bound to make his mark on the history of this great mineral country. From his facile pen emanated those really valuable articles on the mineralogy and geology of the State, which have appeared from time to time in the columns of that interesting paper, the *Mining and Scientific Press*. It was by his pen that many a humbug under the grab of a man of science has been exposed. Whoever may have read the articles in that paper over the *nom de plume* of "Pundit," cannot have failed to have observed that they were written by a master mind. They were written by Edward A. Miles, whose body now lies at the bottom of the fatal shaft in which he died, because as yet, it is impossible for human being to bring it up for Christian burial. Great as is the loss such a calamity causes to society, how much greater must the loss be felt, in that home, where a loving father, mother and sisters, are thus summarily and unexpectedly deprived of a son and brother, for whom so bright a future appeared in store. The unfortunate gentleman was a native of New York, and though twenty-eight years of age, had built up a reputation for himself, that might be envied by men old enough to be his grandfather. He was for some time employed as Superintendent on the great levee, near Sacramento. Recently he had devoted most of his time and talents, in elucidating the problem of the age, and origin of the mineral veins of this coast, a number of valuable articles on which subject he has already published in the *Mining and Scientific Press*, when death in his most hideous form thus terminated his brief, though bright career of usefulness. Mr. Miles was the author of the article which exposed the fallacy of the theory advanced by Professor Silliman, that the silver ores of the Reese River district had been converted from sulphurets and sulphides to chlorides, by the action of superheated salt water.

The Shareholders' Directory.—Every stockholder who holds mining stock liable to assessment should be careful to peruse, each week, our carefully compiled list (of all companies now advertised in San Francisco), which will be found in another part of this paper. This directory will inform you whether any of your companies are advertised for meetings, assessments or sales, you are also admonished of the time when meetings are to be held; the amount of assessments levied; the date and time when delinquent notices will appear and the date of sale. As a record of mining transactions for the year, for future reference, this directory will render the bound volumes of the Press indispensable to brokers and secretaries.

Correspondence.—"The Mines of the Sierra Nevada," by F. A. H., is an important article in to-day's issue. Prof. Godfrey gives us further information concerning the Pueblo silver mines. We would thank him to continue, and write us a description of the new Pittsburg mines, near Shasta—an important district, which has never been fully illustrated. "Floy Favorite" has neglected to inform us about the "Virginians" this week, and we have to refer the reader in search of Washoe items to the Associated Brokers' stock remarks.

Thanksgiving.—In accordance with usage, and "in conformity with the recommendation of the President," Governor Low has appointed Thursday, the 24th instant, as a day of public Thanksgiving and Praise. So we suppose that good old New England festal day will not pass entirely unnoticed in this extreme western limit of our common country. Let all be truly grateful for the priceless blessings of life and liberty which we enjoy, and thank God, with all our hearts, for the late grand victories which have been achieved by our armies in the field and by the people at home.

The Camanche was safely launched on Monday last, and now lies at the Third Street wharf, where the work of her final completion will be pushed ahead with the utmost dispatch. The two large guns of which her armament will consist, are now being placed on board previous to the erection of the turret. The process of removing them is slow and heavy. Rollers are placed under the wooden beds on which the guns rest, and they are dragged along by a horse-power windlass with ropes and pulleys, after the common method of house-moving.

Professor Bache, for the last twenty-one years the chief of the United States Coast Survey, is now seriously afflicted with an affection of the brain. He is stopping, and attentively cared for, in the home of his friend and the friend of science, Professor Pierce, of Cambridge, Mass.

Question.—Is your stock advertised?

Answer.—See Shareholders' Directory in the Mining and Scientific Press.

The authorities of Victoria have decided that hereafter no steamer shall clear that port on the Sabbath.

MINING COMPANY REPORTS.

The commercial interest of every country is regulated by established laws whether the forms are adopted by statutes or by custom. This paper has, from its first issue, been devoted to the mining interest of the Pacific Coast, and, to bring about the most feasible plans for the advancement of that interest it has labored assiduously. The miner seeks out the rich deposits of ore, and the capital of the people is drawn upon to develope the hidden wealth; companies are formed, trustees chosen and the work goes forward; all of which is admirable. But how are the shareholders to know of the progress which is made in the development of this hidden store? what method is there at present by which a shareholder can ascertain the nature of his venture? From the books of the company! True, yet a large item of indebtedness would be overlooked by any other than an expert in such matters. Well then the verbal report of the Secretary, or trustees, who have the property in charge? That, too, is insufficient, for the reason that interest might guide the the statement. The only real plan is that trustees publish the report of the superintendent and the condition of the work at its commencement, together with what it will cost to reach the lodes they are in search of, so that each shareholder may know what expenditure is necessary before he can hope for a return on the investment.

Mines that are open should publish, at least semi-monthly reports, of their progress, together with the quantity of ore raised by their superintendent and its approximate value. The cost of raising the ore per ton; the expenditure of any moneys for mining apparatus, and all necessary information in regard to dues and indebtedness entered into and anticipated should be published at least once in three months, by the trustees of every mining company, that shareholders may know what they purchase.

This Journal is ready to publish all of such statements gratis, and has opened a new department for that especial purpose. But we wish all mining company trustees to understand that the public will hold them responsible for the truth of such information, and delinquents will be dealt severely with by us for falsifying their reports. England has laws which punish the superintendent of a mine for advocating reports either to inflate or depress the value of stock, and until we have similar laws created here, this Journal will be careful to get all reports from some reliable source before venturing to publish them.

This plan of publishing the progress of a mine together with all information on which the real nature of the property may be determined, has been urged frequently by us and we are pleased to see that many of the reliable companies have determined on this course, and those who do not follow in their foot-steps will learn that to make their stock marketable, they will be obliged to do so. People will not invest their money in unknown stocks, nor in stocks that keep their value by "Bulling and Bearing." The mining company that has "business" which they keep from the shareholders should be considered unreliable, and in the broadest sense of the term is a "wild-cat company," one which will scratch who ever invests therein. One wild-cat company is of more injury to the mining interest on these shores than is counted upon at first sight, for those who have been scratched thereby deter other capital from legitimate mines.

The immense injury being worked by the wild-cat stock which floats the Atlantic cities, will in a short time rebound and probably cause another panic similar to the one past through, unless all reliable companies publish their statements as set forth in this article.

A word to the wise is sufficient, and we, with all our power, will work to advance the reliable interest of the Pacific Coast.

From the North.—The steamship Sierra Nevada arrived here on Saturday evening from the North, bringing $430,073 in treasure, of which $237,150 was from Victoria and $192,923 from Portland.

S. F. Mechanics' Fair Reports.

COMMITTEE REPORTS

OF THE SAN FRANCISCO MECHANICS' INSTITUTE INDUSTRIAL EXHIBITION OF 1864.

[By authority of the Executive Committee for the management of the Fourth Industrial Exhibition of the Mechanics' Institute, we shall commence, under this heading, until completed, the publication of the Reports and Awards of the Examining Committees in the various departments of the Exhibition, as revised by the Managers to accord with the rules governing the distribution of awards. Where the reports have not been made in form prepared for publication abstracts or digests only will be given. The Managers desire it stated that, while articles originating and manufactured abroad contributed in a degree to the variety and interest of the exhibition, which in return afforded their merits opportunities of becoming widely known, to the advantage of those showing them, the enterprise was intended to be an exposition of the material and industrial resources of this State, and the adjacent Territories, to which the honorary awards must be limited. Believing, too, that the distribution of premiums of several grades among competitors has a greater tendency to produce jealousy and dissatisfaction than to encourage enterprise and efforts for excellence, the Executive Board has determined to allow no second, third, or other interior grade of Premiums.]

Class XXI.

Paper and Its Manufactures—Book-Bindery, Etc.

COMMITTEE:

JAMES LINEN, DAVID H. BALL.
GEORGE T. EMERSON, LUCIUS THOMPSON.

Report:

EDWARD BOSQUE presents a large Ledger, meanly forwarded but beautifully finished. The ruling is the best at the Fair.

BARTLING & KIMBALL present a magnificent specimen of Bank Book-Binding, which was bound to the order of John Parrott. The design is elegant, and the volume beautifully forwarded, but the finishing is imperfect and clumsily executed. The same firm exhibit a Bible in two volumes, folio, bound in morocco, gilt edges, with an elaborate design on the sides. When the volumes are opened, they show large creases in the back part, which are peculiarly objectionable, and ruin the appearance of a costly work. Had the forwarding not been so wretchedly bad (the balance in the workmanship being elegantly executed), the binding would have been a credit to the State. A volume of the "Art Union," in morocco, with blank tooling on back and sides, is more chaste and elegant than the other volumes of great pretensions. The committee think that Bartling & Kimball are entitled to the Premium for Fancy Binding.

HERMAN ALTHOF, in Buswell's Establishment, presents some very beautiful specimens of Morocco and Russian Leather Portfolios and Fancy Pocket-books. They are the best that have been exhibited here, and are justly entitled to the Premium.

L. BRENDENSTEIN.—His fancy Jewelry Cases and nice Boxes for confectionary purposes are elegantly executed, and merit a Premium.

HENRY C. BATEMAN exhibits specimens of Edge-gilding, fancy and plain. By long experience he has brought edge gilding to a state of high perfection. He competes in no other branch of the book-binding business. He merits the Premium in this line.

THOMAS REILLY—Gold Leaf Manufacturer—shows the process of his trade, by exhibiting the gold in the different stages of manufacture, from the time the metal is rolled out into ribbons until it is beaten into thin leaves, cut into squares, and ready for use. He also merits a Premium.

S. P. TAYLOR & CO., Pioneer Paper Mill, Marin Co.—The committee are delighted to notice the fine specimens of Wrapping and Printing Paper exhibited at the Fair by this enterprising firm. The manufacture of paper is a very important business in the community, requiring ability and capital to work it successfully. We hope that the public will sustain this praise worthy undertaking, and that the time is not far distant when a sufficiency of paper will be manufactured in California to meet abundantly all the necessary demands of the Pacific coast. Give encouragement to enterprise and success will assuredly follow. The committee joyfully award the best Premium that the Institute confers upon merit.

SAN LORENZO PAPER MILL, Santa Cruz.—This establishment sends specimens of Straw Boards and Straw Wrapping Paper. There is no use in importing such articles when they can be manufactured in such excellent style at our own door. The bundles of boards and the reams of paper are creditable to the manufacturers and to the State of California. The exhibitors are cordially awarded a Premium.

H. MANNECK & Co. exhibit a fine assortment of Paste Board and light wooden Paper-covered Boxes. The extent and variety of the assortment indicates the growing importance of this new branch of our domestic manufactures. Messrs. Manneck & Co. are entitled to credit for the excellent quality and tasteful finish of the goods exhibited, and, although there was no competition in this line, they well merit a Premium.

G. F. M. GLOVER exhibits samples of Paper Cutting for decoration, beautifully and tastefully executed. Premium.

GEO. B. HITCHCOCK & Co. exhibit a case of splendid Blank Books, which were bound bound by Buswell & Co. For counting-room utility and creditable specimens of ruling, sewing, forwarding and furnishing, there is nothing superior to them in the Fair. As they were entered by the sellers, and not by the manufacturers, your committee refuse to receive them as books for competition, believing, as they do, that persons who merely give orders and pay for them in the common way of business have no right to compete for honors that belong only to the producers or manufacturers.

[I fully agree with this report, with the exception that I think Geo. B. Hitchcock & Co. are entitled to competition by the rules of right and justice.

LUCIUS THOMPSON.]

Class XXII.

Glass, Porcelain, Etc.

Report:

The extensive display of wares made by the PACIFIC GLASS COMPANY furnished a striking evidence of progress in the development of our manufacturing resources, and the gentlemen whose capital and energy have overcome the numerous difficulties encountered in the experiment of manufacturing glassware of the class required by our great producing interests, can scarcely be more gratified than the public at large with the evidence of success afforded by this exhibition. From an octagonal base twelve feet in diameter, a series of terraces rising to a height of fourteen feet, filled with a great variety of Wine, Soda, Sauce and Mustard Bottles, Pickle and Fruit Jars, Prescription Phials, Lamp Chimneys, etc., crowned with a huge Acid Carboy, gave assurance that the days of dependence upon uncertain imported stocks, and the gleanings of the chiffonier have passed away. It is only about two years since this enterprise was inaugurated, and the progress made in this period appears in the highest degree creditable and encouraging; and it may be hoped that it will be found practicable and profitable to extend it to embrace the manufacture of every description of Glass and Glass-ware Premium.

J. MALLON & Co., exhibited specimens of Ground and Cut-Glass, for transom and side-lights, windows, signs, etc. For design and execution these specimens would rank with the best work to be found in the large Eastern cities, and they merit a Premium.

D. BRANNAN exhibited Stoneware and Terra Cotta Architectural Ornaments, which have been noticed and recommended for Premium by another committee.

H. HEIZER exhibited a lot of Crucibles and Mattles, also noticed and recommended for Premium by the committee above referred to.

HAYNES & LAWTON exhibited a fine assortment of rich American Cut and Flint Glassware, French, Chilan, Parisian and Bronze Statuettes, Vases, etc.,—all imported.

R. A. SWAIN & Co. also made a fine exhibition of rich Imported Glass, Porcelain and Plated Wares.

JOHN TAYLOR had on exhibition an extensive assortment of Chemists', Assayers' and Apothecaries' Scales, Crucibles, Retorts and other utensils.

A. SEN, W. LUDEMAN, and H. SCHUMANN, each had a show case of fine Meerschaum Pipes and other fancy articles.

HAYWARD & COLEMAN made a fine exhibition of Imported Lamps, many of them of the richest pattern and finish. They also exhibited a Lantern of home invention and manufacture, furnished with a kerosene lamp and concave reflector. Several of these lanterns were employed by the night watchmen at the Pavilion, and the testimony as to utility and efficiency is ample to warrant the award of a Premium.

Class XXIII.

Coal Oil, Turpentine, Rosin, Compounds, Soap, Etc.

COMMITTEE:

D. S. CUTTER. D. KANARY, J. H. C. PORTMAN.

Report:

While petroleum oil springs of much promise are found in many places in the State and elsewhere on the coast, they do not appear yet to have been successfully worked to any extent. Since the outbreak of the rebellion, which has sealed up the old sources of supply, the business of gathering and distilling pine pitch has been greatly stimulated here, and what is reported to have occasioned much needless destruction of valuable timber. Severe statutory enactments have been found necessary to arrest this waste, and much more care is said to be now exercised in the prosecution of this business, which yields a considerable surplus for export after supplying the home demand.

E. BENOIST exhibited samples of Crude and Refined Coal Oil from the Buena Vista Petroleum Works, in Mariposa county. Premium.

J. H. CHURCHILL is entitled to the credit of a new process of Extracting Petroleum Oils. Premium.

W. C. JONES, for the best samples of Turpentine and Rosin, is entitled to the Premium.

HICKS & LAMBERT, for the best sample of Pitch, and for their superior Axle Grease, should receive a Premium.

J. F. FUGAZI, of Marysville, for the best quality Colophony, Premium.

H. L. BESSEMER exhibited samples of Pomatum, Hair Restorative, Cosmetics and Tooth Powders, handsomely put up and agreeably perfumed.

SUB-DIVISION—Soap.

COMMITTEE:

W. H. BOYEE, J. H. CHURCHILL.

Report:

THE EUREKA SOAP CO. exhibited a Soap, of superior quality, for general use, and entitled to a Premium.

THE STANDARD SOAP CO. had also on exhibition samples for competition.

FRANCIS LEPHART had a sample of excellent Soap, but without particulars, which would place it fairly in competition.

Class XXIV.

Stone-Cutting, Masonry, Etc.

Report:

Two contributions alone can, with any propriety, be classed under this head.

JOHN GUINANASCO exhibited a unique specimen of Composition Flooring, formed of small stones, of various natural colors, set in cement, and rubbed down to a smooth, even surface. The colors were arranged in figures, forming an agreeable pattern in miniature Mosaic. The practical value of such a flooring would, of course, depend in its cost and quality of durability.

SOME CONTRIBUTOR exhibited two barrels of very superior Lime, but failed to make any entry of his name or the contribution. The quality of the lime was generally noticed with approbation, and would entitle the producer to the Premium if he can be identified.

Class XXVI.

Oil Painting, Photographs.

Report:

The Fine Art Department of the Exhibition, in the variety, number and excellence of the contributions, surpassed all expectations. The constant pre occupation of the great body of our new and partially floating population in the more material pursuits of alluring promise or necessity, has afforded no great degree of encouragement to the art student, either in the way of inspiration or patronage; but the evident relish with which thousands of visitors, day and evening, for a month, enjoyed this exhibition, bespeaks the dawn of a better day for the art interests among us. The Painters and Photographers elected to exhibit their works without engaging in competition for Premiums. One of the four galleries, 27x100 feet, was occupied with the works of the resident oil painters. The walls of another, of similar dimensions, were filled by the photographers. The remaining two were crowded with Paintings, Drawings, Engravings, Statuary, Wax Work, Tapestry, Pictures, Fancy Shell Moss and Hair Work, Curiosities, etc., forming, in the whole, an extensive museum and art exhibition of uncommon excellence and attraction.

Class XXVII.

Drawing, Penmanship, Etc.

SUB-DIVISION—Architectural and Mechanical Drawing.

COMMITTEE:

M. F. BUTLER, T. OROB.

Report:

The Premium for Mechanical and Machine Drawing is awarded for the specimens exhibited by the pupils of the "Industrial Drawing Academy."

And the Premium for Architectural Drawing to L. E. REYNOLDS.

SUB-DIVISION—Penmanship.

COMMITTEE:

F. SEREGNI, T. OROB, V. SQUARZA.

Report:

The committee consider it necessary to make a distinction between Practical and Ornamental Penmanship, and they find, after careful examination and comparison, that LUCIUS M. FERNANDEZ is entitled to the First Premium for Ornamental Penmanship.

F. S. BUTLER merits the Second Premium, or honorable mention.

W. G. DOOLITTLE merits the First Premium for the Best Commercial Handwriting.

H. G. WALTON merits an honorary award for the beautiful regularity, order and perfection of Pen-Work, shown in his specimens of "Compliation and Penmanship," "Statistics of the Mariposa Estate."

Class XXVIII.

Sculpture, Marble and Wax Work, Etc.

SUB-DIVISION—Sculpture.

COMMITTEE:

THOS. HILL, O. GOUI, B. TAFT,
J. B. WANDESFORD, FORTUNATO ARRIOLA.

Report:

Your committee, appointed to adjudge upon the merits of the works in this department of the Exhibition, find that while several of the competitors present works of considerable merit, those of Mr. MEZZARA are entitled to the highest award for excellence. Premium.

MR. P. J. DEVINE'S Marble Bust of a Child is very meritorious, and in opinion of the committee, his is the best Plaster Bust of the late Rev. Thomas Starr King which has yet been exhibited.

SUB-DIVISION—Wax Work.

COMMITTEE:

P. MEZZARA, FORTUNATO ARRIOLA, M. F. BUTLER.

Report:

The work of this class comprised many exquisite imitations of Fruits, Flowers, Shells, Parian Statuary, etc.

The Premium for Wax Flowers is due to MADAME MIEL, whose imitations are the most perfect and beautiful of any we have ever met with.

MRS. A. UNGER and MRS. M. COMFORT each had beautiful specimens of Flowers, which should be honorably noticed.

MISS LOUISA MCLANE is entitled to honorable mention for excellent pieces of imitated Fruit.

MRS. J. B. HARMSTEAD had a fine and very extensive collection of Wax Works, comprising, among other subjects, some exquisite imitations of the most ornate and delicate Parian Wares. The talent and industry represented in the handsome collection exhibited by this lady, entitle her to the award of a Premium for General Wax Work.

Class XXIX.

Sign, Ornamental Painting, Graining, Etc.

Report:

In this department the number of contributions was comparatively small.

HENRY PAULISSEN exhibited several specimens of Fresco Painting on Plaster. The designs were very well executed for effect, and the colors remarkably brilliant. No competition was offered in this line. Premium.

HORN & KANARY exhibited a very finely executed piece of Glass Plate Sign Painting. Premium.

[illegible] and G. WINTER each exhibited good specimens of Gilding and Embossing on Glass.

C. & G. W. HUTCHINSON exhibited handsome specimens of Block Letters for Signs.

E. TUBORQUE—Several well-painted Signs.

A. & T. TORNING—A handsome specimen of Sign-writing.

D. A. STERNE, of Watsonville—Panel specimen of Ornamental Conch Painting.

F. T. MCAULIFF—Samples of excellently imitated Rosewood, splendidly polished. Premium.

Class XXX.

Boats, Ships, Models, Etc.

COMMITTEE:

L. L. BATCHELDER, THOS. BIGLEY, H. S. BROWN.

Report:

JOHN REED exhibits a Life Boat (model), combining good lines and bearings, with remarkable air-chamber capacity, and a provision of valves so arranged that the buoyancy and motion of the boat will relieve her of any water which may be shipped. The builder states that he first constructed the boats on this plan in Boston, where they were subjected to test, and adopted by the Massachusetts Humane Society. The plan is certainly deserving the inspection of that class of our citizens whose duty it is to provide for the safety of those who "go down to the sea in ships," and to them we commend it with our award of Premium.

MR. REED also has a well built and moulded Four-oared Boat in the Exhibition.

RONALD COOK, of Benicia, exhibits a large Iron Life Boat, built in the most thorough and substantial manner.

C. COYLE exhibits a Four-oared Race Gig of the leanest and lightest mould, well calculated to tempt our young men to a practice not yet so popular here as in the Eastern sea-board cities, where exercise with the oar is thought as conducive to health and manly accomplishment as practice with the billiard cue. Premium.

W. B. HOYT exhibits a Skeleton Boat, for a pair of Sculls, and as a specimen of nice cabinet boat building it is very admirable.

J. T. JONES exhibits a beautifully cut Half Model for a Yacht. The lines are easy and very fine, but might possibly be improved with a little more floor amidships.

MELVIN SIMMONS exhibits an elegant Half Model Pilot Boat, showing well-defined lines and good bearings, insuring speed and buoyancy. The excellence of this model entitles it to a Premium.

KIMBALL & THAYER exhibit a very fine Half Model Schooner, well moulded for speed and carrying capacity.

D. C. M. GOODSELL exhibits a number of Builders' Half Models, embracing several for iron-armored gunboats, rams and floating batteries, together with a section showing a plan of attaching armor-plates without exposing bolt or screw heads. These models have the merit of originality in several features, and it is very plausibly claimed by the exhibitor that ships upon the plan shown would effectually resist shot with much lighter clothing of armor-plates than is found necessary upon those constructed on the original "Monitor" plan. The committee do not feel competent to pass upon the merits of these claims which could be determined by a committee of naval or military engineers only upon a practical test.

S. MARION exhibits two finely-proportioned and fitted full-rigged Model ships; one, the "Excmpt Fireman," is remarkably "ship-shape" from keel son to truck; every spar, shroud, stay and brace testifying to the zeal, skill and patience of the maker, whose ideal ship is so perfectly wrought out in miniature. Mr. Marion deserves a Premium.

PETER WILSON exhibits a full rigged Model Ship, regularly framed and planked, but deficient in mould and proportions.

There are one or two other Models in the Exhibition, of more or less merit, but not entitled to special mention.

Class XXXII.

Fire-Arms.

COMMITTEE:

O. H. BEGART, A. B. NUTTING, W. H. BROWN,
(J. W. KISSINGER dissenting.)

Report:

The competitors in this department engaged in the Exhibition with the spirit and confidence of men conscious of merit and the ability to show work which any workman might be proud to claim, and the duty imposed on the committee was one of no ordinary delicacy and difficulty. The competition was made solely on Double-Barreled Shot Guns and Rifles, and the committee, after careful comparative examination, award to R. LIDDLE & Co. the Premium for the Best Double-Barreled Shot Gun.

A. J. PLATE & Co. are entitled to honorable mention for a Double-Barreled Shot Gun, of fine quality.

J. VILLEGIA is also entitled to honorable mention for Guns of fine quality and excellent finish.

JOHN BACH is awarded the Premium for the Best Rifle.

Class XXXIII.

Wines, Liquors, Cordials, Etc.

SUB-DIVISION—California Wines.

COMMITTEE:

N. LUNING, L. J. CZAPKAY,
M. CODY, B. B. REDDING.

Report:

The marked improvement made each year in the quality of California Wines is noticed with satisfaction by the committee. The products of the same vineyards in 1863 are superior to those of previous years. The improvement is doubtless due, in part, to acquired experience, but chiefly, in opinion of the committee, to greater care in selecting the fruit at the proper stage of maturity, and to greater neatness in conducting all the processes of the manufacture. Some of the Wines offered in this exhibition would rank as superior in their class in the wine countries of Europe. The samples offered in competition were submitted to the committee, distinguished only by numbered labels, designating the age and class, an officer of the Exhibition retaining the reference list corresponding with the numbered labels. Considering it proper that honors should be awarded to producers only, the Committee adopted a resolution, directing that the name of the producer or vineyard, alone, should be mentioned in the report.

White Wine, Vintage 1863—First Premium, O. W. CRAIG; Second Premium, M. KELLER, Los Angeles. Both of the above Wines are of superior quality for one year's growth, and so nearly equal that the committee hesitated which to award the First Premium, but decided as above.

White Wine, Vintage 1862—First Premium, HENRY GERKE, Tehama county.

White Wine, Vintage 1861—First Premium, UNITED ANAHEIM WINE GROWERS' ASSOCIATION; Second do., MOUND VINEYARD.

White Wine, Vintage 1860—First Premium, KOHLER & FROMLING, Los Angeles; Second do., B. D. WILSON, Los Angeles.

Of the White Wines vintage 1857 and 1859 there is but one sample exhibited of each, and in the opinion of the committee neither is worthy of premium.

Rock, Vintage 1862—First Premium awarded to DR. WOOSS, of Napa; no competition, but the committee find it worthy of special commendation.

Rock, Vintage 1856—First Premium, KOHLER & FROMLING, Wolfskill's Vineyard, Los Angeles.

Rock, Vintage 1859—First Premium, KOHLER & FROMLING, Wolfskill Vineyard, Los Angeles—no competition. This wine having been shipped via Cape Horn, the committee believe it has improved considerably.

Red Wine, Vintage 1863—First Premium, HARASZTHY & GIOVANARI, Lachryma Montes Vineyard; Second do., HARASZTHY, Quiquiriqui Vineyard.

Port, Vintage 1862—Premium awarded to D. B. WILSON'S Vineyard, Los Angeles.

Red Wine, Vintage 1862—First Premium, UNITED ANAHEIM WINE GROWERS' ASSOCIATION; Second do., W. O'DONNEL, San Jose.

Red Wine, Vintage 1861—Premium awarded to J. S. HITTELL.

Port, Vintage 1860—Premium awarded to D. B. WILSON'S Vineyard, Los Angeles, with the unanimous opinion of the committee that this is the most excellent wine of its class on exhibition.

[*Note*—This wine is of such excellence, and so much superior to any exhibited of this kind of wine, that the committee were inclined to doubt whether it was entirely a California production.

Port, Vintage 1858—Premium awarded to KOHLER & FROMLING, Coronel's Vineyard, Los Angeles.

Port, Vintage 1859.—No competition—Premium awarded to KOHLER & FROMLING'S Vineyard, Los Angeles. This wine has been shipped via Cape Horn, and the committee believe it has improved considerably with the voyage.

Sherry—First Premium, D. B. WILSON'S Vineyard, Los Angeles; Second do., M. KELLER'S Vineyard, Los Angeles.

Madeira—Premium awarded to M. KELLER'S Vineyard, Los Angeles.

Angelica—First Premium, U. A. W. G. ASSOCIATION; Second do., B. D. WILSON'S Vineyard, Los Angeles.

SUB-DIVISION—Liquors, Cordials, Etc.

COMMITTEE:

DR. I. ROWELL, DR. L. J. CZAPKAY, F. C. BELDEN.

Report:

The committee, in conducting the examinalior of the articles offered for competition in this department, had no means or desire to know the samples of the several competitors. The bottles were numbered, and the samples passed upon under these fictitious designations, subsequently identified by the reference list corresponding with the entry book of the Exhibition.

Grape Brandy, 1859, no competition—Premium to Kohler & Frohling.

Peach Brandy, 1859, no competition—Premium to Hobbs, Gilmore & Co. The committee find this an excellent article.

Grape Brandy, 1861, no competition—Premium to United Anaheim Wine Growers' Association.

Grape Brandy, 1862—Premium to Haraszthy & Giovanari. The committee find this brandy an excellent article, and much superior to those samples in competition against it.

Pear Brandy, 1863, Peach Brandy, 1863, Apple Brandy, 1863, no competition—Premium to W. O'Donnel, San Jose.

The committee report favorably on the Currant Wine exhibited by Mrs. Barnes.

Aguardiente, 1859, no competition—Premium to Kohler & Frohling.

The committee report favorably on the Rum Extract exhibited by A. Fenkhausen.

The committee find the Blackberry Cordial exhibited by E. 1. Barra a very superior tonic and astringent, and worthy of recommendation.

Bitters—First Premium to V. Squarza; Second do. to Byrne & Castree. The above bitters are a selection of six different samples, and the committee, having denied some wine on the qualities of each, decided as above.

The committee award First Premium to V. Squarza for Punches and Cordials. The committee, after a careful examination of the Squarza Punches, unanimously declare them to be composed of the best material, and manufactured with science and utmost care.

[As by the rules of the Exhibition no second or other inferior grade of Premiums are allowed, the awards of "Second Premium" made by the committees will be taken to signify the rank of the product honorably distinguished.]

The New York Brewery is awarded the Premium for the Best Lagerbeer.

NOVELTY IRON WORKS,

Steam Engine, Boiler and Machine Shops.

STEAM ENGINES AND BOILERS OF ALL KINDS ON Hand and Made to Order. Quartz, Saw and Flour Mills and all other Kinds of Machinery, Made to Order, Bought, Sold, or Exchanged.

Reynolds' Variable Cut-Off Saves from 25 to 60 per cent. of Fuel.

WINANS' ANTI-INCRUSTATION POWDER for Steam Boilers, a *SURE REMEDY*. Send for Circular.

E. T. STEEN.

Nos. 39 & 41 Fremont, and 42 & 44 Beale Sts.

21v8tfq SAN FRANCISCO.

"THE MINING AND SCIENTIFIC PRESS."—We would call attention to the advertisement of "The Mining and Scientific Press," (Messrs. Dewey & Co., Proprietors), one of the best conducted and most valuable weekly journals published in America.—*Golden Era.*

SANTIAGO MILL.—This mill, says the *Territorial Enterprise*, erected by the Santiago Mining Company this fall, at Zephyr Flat, on the Carson, has just been completed. It is driven by water power, and contains twenty-four stamps, (each weigbing eight hundred pounds,) eighteen pans and five separators. At present they are crushing twenty five tons per day, Savage ore, but the mill is capable of crushing forty-five tons per twenty-four hours. The mill was erected under the superintendence of Mr. Donald McKay, also Superintendent of the Santiago mine. The machinery of the mill was erected by Mr. C. W. Harden, assisted by Mr. Chas. W. Booth and others. All the workmen employed upon the mill speak very highly of Mr. McKay, and wish to state that his treatment of them has been most kind and generous, all hands being paid off in coin on the completion of the work. Mr. McKay speaks very highly of those to whom the erection of the mill and machinery was entrusted; so it appears that all were well suited. The workmen, on leaving, gave Mr. McKay "three times three hearty cheers." It is said to be one of the most complete mills in Nevada. The Superintendent will at all times take pleasure in showing visitors through the new mill.

SECRETS OF MAGIC.—Robert Houdin concludes his memoirs with a chapter of Arab miracles, which he explained. The Aissaoua eat pounded glass. Houdin powdered some for himself and ate it, and he avers that his appetite for dinner was improved by the dose. They walk on red hot irons with their bare feet, and pass their tongues over white hot pieces of iron. Prof. Sementrici discovered that by rubbing into the skin a solution of alum evaporated to a spongy state, it was rendered insensible to the action of red-hot iron. He rubbed himself with soap, and found that even the hair did not burn. He ruhbed the alum with his tongue, and lapped the glowing metallic surface without pain. Houdin himself tried passing his bands, slightly dampened, through a stream of melted iron, and found, as others have done, that it left no scar on him. An English conjurer used to thrust a sword through his body, shove a knife up either nostril to the handle, and thus spitted sing a song. Houdin bought the secret of the invulnerable and now divulges it. The performer was very thin. With a waist-belt he strapped his tender paunch tight down upon the vertebral column, substituted a card-board stomach for the suppressed part, covered all over with flesh colored tights; between the true and false abdomen he fastened a seabhard, covered the appertures on the sides with rosettes, placed a sponge filled with a red liquid in the scabhard, and there thrust his sword, which came out covered with bogus blood, of course. The pug-nosed mountebank enjoyed a physical conformation, which permitted the delicate and delightful performance.

THE sixteen-wheeled railroad car intended for the President's use is finished, and is awaiting orders at Alexandria. It is the most elegant thing of the kind ever seen in this country. Its cost was thirty thousand dollars. It has sleeping apartments, parlor, and a secretary's office. It is to he presented to our Chief Magistrate, and to be used by him and his successors.

AN ingenious Parisian has invented a boat in which a person can bathe, the water flowing through it, and move about at the same time—a sort of floating cradle, with a tent roof and sides, and a kind of hand propeller.

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Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-m

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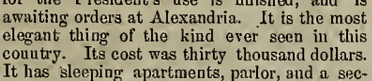
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Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.
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THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

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14-3m

Volcanic Smelting Furnace.
PERSONS desiring information as to the Use and Economical properties of this Furnace, and intending to make use of the same, when satisfied of its superiority over all other means of reducing ores and separating metals from the sulphurets, can obtain all needed explanation and advice in regard to the same, and the terms of sale of rights to use the same, on application to Col. J. D. Stevenson, or Mrs. E. J. Hall, Proprietress, 633 Third street, San Francisco.
Drawings may be seen at the office of Col. J. D. Stevenson, No. 614 Merchant street.
The time required for reducing ores by this Furnace is from three to eight hours, and the amount of fuel only one-tenth as much as is consumed by other processes.
The process of condensation is applied to this Furnace which will save all those portions of precious metals which usually escape in a volatile form.
The attention of all interested in the subject is requested to examine the important results obtained by this process.
Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.
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HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

Origin of Brandy.

Brandy began to be distilled in France about the year 1313, but it was prepared only as a medicine, and was considered as possessing such marvellous strengthening and sanitary powers that the physicians named it "the water of life," (*l'eau de vie,*) a name it still retains, though now rendered, by excessive potations, one of life's most powerful and prevalent destroyers. Raymond Lully, a disciple of Arnold de Villa Nova, considered this admirable essence of wine to be an emanation from the Divinity, and that it was intended to re-animate and prolong the life of man. He even thought that this discovery indicated that the time had arrived for the consummation of all things—the end of the world. Before the means of determining the true quantity of alcohol in spirits were known, the dealers were in the habit of employing a very rude method of forming a notion of the strength. A given quantity of the spirits was poured upon a quantity of gunpowder in a dish and set on fire. If at the end of the combustion the gunpowder continued dry enough it exploded, but if it had been wetted by the water in the spirits, the flame of the alcohol went out without setting the powder on fire. This was called the proof. Spirits which kindled gunpowder were said to be above proof.

From the origin of the term "proof,' it is obvious that its meaning must at first have been very indefinite. It could serve only to point out those spirits which are too weak to kindle gunpowder, but could not give any information respecting the relative strength of those spirits which were above proof. Even the strength of proof was not fixed, because it was influenced by the quantity of spirits employed—a small quantity of weaker spirit might be made to kindle gunpowder, while a greater quantity of a stronger might fail. Clarke, in his hydrometer, which was invented about the year 1730, fixed the strength of proof spirits as the stem at the specific gravity of 0.920 at the temperature of 60 degrees. This is the strength at which proof spirit is fixed in Great Britain by act of Parliament, and at this strength it is no more than a mixture of 49 pounds of pure alcohol with 51 pounds of water. Brandy, rum, gin, and whisky contain nearly similar proportions.

THE OPEN BOARD OF STOCK BROKERS AT NEW YORK.—This board was opened to the public on Monday morning, the first of August. The building is located in Broad street, near Wall. The dimensions are 80 feet by 42, with a ceiling 25 feet from the floor. There is also a fine airy gallery on three sides of the room, which will be open to visitors. On the main floor of the building there are no less than 130 seats, intended for the accommodation of persons who are not regular members of the board. The galleries will seat 250 persons.

THE Chollar mine, according to the Victoria City *Enterprise*, is giving out at the rate of one hundred tons of splendid ore every twenty-four hours.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with a general report of the Executive Committee, will appear in due time.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

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In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
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THE Undersigned respectfully notifies his Patrons, and the Public generally, that he has assumed the entire charge of above popular House, and having had it thoroughly renovated, he flatters himself it will compare favorably, in point of comfort and cleanliness, with any House in the city. It is his intention to make it a First Class
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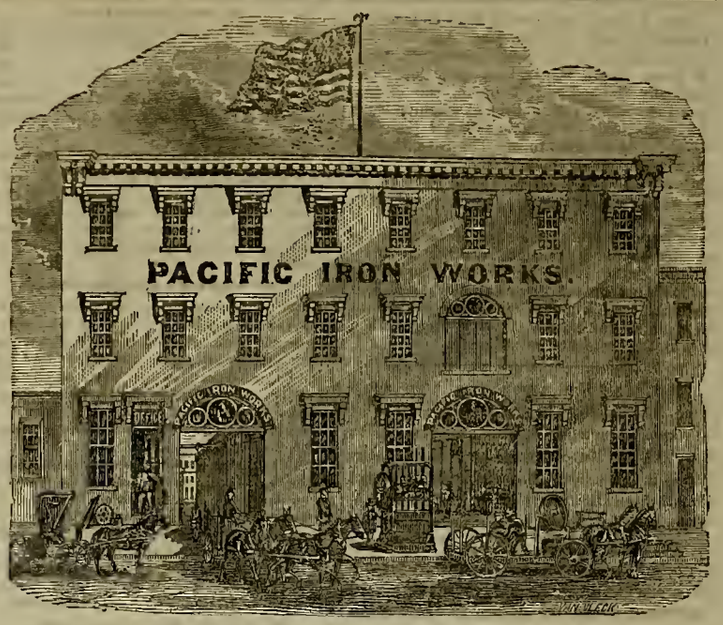
The Railroad House Coach conveys passengers to the hotel FREE. Barber Shop, Bath Rooms, Steam Baths, etc., connected with the House.
18 q **C. L. ROSS, Proprietor.**

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*



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Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c. Orders respectfully solicited.
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Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing, Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.
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Warranted to be made of the very hardest and toughest Iron.
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A Published list of the Patterns of these Works will be sent on application.
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The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

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Hinckley & Co.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.

THE UNDERSIONED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLEY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with despatch at the Miners' Foundry and Machine Works, as:
Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Reports, Etc., Etc.
Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

JOHN P. GALLAGHER..... .....JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

THE Atlantic cable, which is to be laid next summer between England and America, was recently tested to try its strength and ductility. A given length was taken, suspended, and gradually weighed until it broke, the elongation succeeding each additional weighing being duly registered. The cable selected bore the weight of three-fifths tons. The case, the spiral wires involving it, the insulating body, the jute yarn, and each separate strand of the cable were similarly tested. It was found from those experiments that the more the fibres of wire were brought into a state of tension, the greater became its strength, and that as an insulator gutta percha, although not so perfect as India rubber, is far more durable, and that the cable as now manufactured will be able to bear a strain four times its own weight when laid at the bottom of the Atlantic.

METEORIC.—The astronomers have again been disappointed in the non-appearance of any unusual meteoric display from the 12th to the 15th of November. Some of the stargazers in Sacramento, however, insist that had it not been for the brilliancy of the moon, which hid the lesser lights, they would have had quite a brilliant display of "shooting stars" in the heavens over that favored locality on one of the evenings in question.

1852. 1864.

TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1852.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

Serial Romances in the Golden Era.

The most popular Novels of the present day—

"THE DOCTOR'S WIFE," by Miss Braddon.

"OUR MUTUAL FRIEND," by Charles Dickens; published as Serials, from week to week, in THE GOLDEN ERA, from advance sheets, simultaneously with their appearance in the English and Atlantic Periodicals.

Among the Contributors to the GOLDEN ERA are all the prominent writers of Literary Repute in California, and on the Pacific Coast; also correspondents and contributors of distinguished talent in the Atlantic States and Europe; including "Orpheus C. Kerr," Fitz Hugh Ludlow, G. B. Densmore, "Mark Twain," Dan De Quille, Florence Fane, Miss Emma Hardinge, Sarah E. Carmichael, Annie E. Fitzgerald, "Occasia Owen," Alice Mason, William Simpson, Chas. F. Stoddart, "Ina," H. C. Williston, "Albion," "Fairfax," Bonnevel, Mary Kyle Dallas, Margaret Hosmer, and many other accomplished writers of Fiction, Romance, Novels and Stories, Poetry, Essays, Sketches, etc., etc., comprising an array of Talent and Genius unapproached by any Literary Journal in California, the Atlantic States or Europe.

The proprietors of the GOLDEN ERA announce the receipt of advance Sheets of Miss M. E. Braddon's New Novel,

The Doctor's Wife,

The most brilliant effort of the celebrated author of "Aurora Floyd;" "The Outcasts;" "Three Times Dead;" "Lady Audley's Secret;" etc., etc.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

The GOLDEN ERA, One Year.....Four Dollars.
The GOLDEN ERA, Six Months.....Two Dollars.

THE TWO GREAT SERIALS,

"OUR MUTUAL FRIEND,".....by Charles Dickens.
"THE DOCTOR'S WIFE,".....by Miss Braddon.

"THOUGHTS AND THINGS,"

APPEAR WEEKLY IN THE GOLDEN ERA,

Read "Thoughts and Things" in the GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

One Year.....$4 00 Six Months.....$2 00

To Mail Subscribers.

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Sent from the Office to any Address in California and Oregon—Nevada, Washington, Idaho, Utah and Colorado Territories—the Atlantic States, Europe, and all parts of the World.

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Take care to write distinctly the name of the person; the name of the city, town or locality where the Post office is situated, and the name of the County and State, in order that the paper may be fully and accurately directed to every address.

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Parties (living remote from localities where agents are located) forming a club of five yearly or half-yearly subscribers, and forwarding the subscriptions (by letter registered and postage paid) to the office of publication in San Francisco, will be entitled to an additional copy of The GOLDEN ERA for the term of one year, or to retain the equivalent in cash.

AGENTS in every part of the State receive subscribtions for the GOLDEN ERA.

POSTMASTERS in California, Oregon, and neighboring Territories, obtaining subscriptions for the GOLDEN ERA and forwarding the same, with name and address of the subscriber, will be allowed a commission therefor.

PARTIES residing in localities where no Agents are established will forward their subscriptions by mail.

SUBSCRIBERS will be careful in writing as plainly and fully as possible, the direction of papers to be sent to any part of California, the Atlantic States, or elsewhere.

Now is the Time to Subscribe.

TO ADVERTISERS!

Best Advertising Medium—The "Golden Era" is the oldest Weekly Journal in California, and indisputably enjoys by far the largest circulation in the city of San Francisco and in the interior of the State.

THE GOLDEN ERA

Is universally read in every city, town, village, and mining and agricultural precinct in California, and offers unusual and unequaled advantages to those who desire to bring their business prominently before the community. Only a limited space is devoted to advertising. All advertising pages are also largely occupied with fresh and interesting reading matter, and no advertisement can escape attention. The charges for advertising are not so large, proportioned to the benefits derived, as those of other papers. Liberal terms will be made with those who advertise for three or six months, or by the year.

GOLDEN ERA POSTAGE.

POSTAGE on the GOLDEN ERA, to Mail Subscribers, in California and throughout all the States and Territories of the Union, per quarter, (3 months).... 5 cts.
To be paid quarterly, in advance, either at the Office of Mailing or Delivery.
POSTAGE on the GOLDEN ERA, Single Copies, transient, to be prepaid by stamps..... 2 cts.
POSTAGE on the GOLDEN ERA, to Mail Subscribers in the county (San Francisco) where published..... Free.

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The Golden Era, for One Year..... $4 00
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Subscriptions to be Paid in Advance.

BROOKS & LAWRENCE,
GOLDEN ERA BUILDING,
543 Clay st., near Montgomery, San Francisco.

Machinery.

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

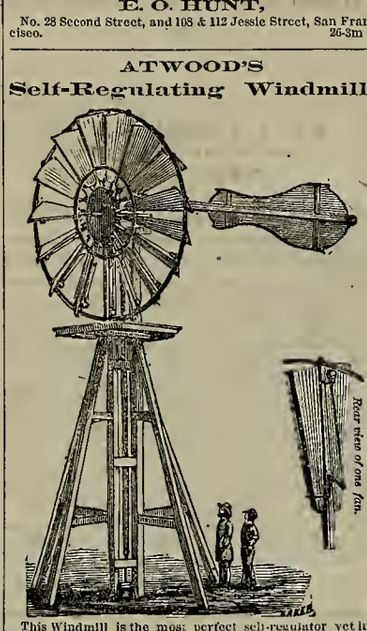
Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S
Self-Regulating Windmill.



This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

Hudson's Improved Pump,

For sale and made to order any size desirable. Call and see.

Plumbing and Gas Fitting in all its Branches.

No. 33 Webb Street, Entrance on California or Sacramento, above Montgomery.

9-dfatf A. J. SMITH.

FARRAND'S
Oscillating Amalgamator,
RECEIVED THE
ONLY PREMIUM
AWARDED FOR AMALGAMATORS
At the Recent Industrial Fair
OF THE
Mechanics' Institute of San Francisco.

Committee of Awards.

O. BELDEN, W. T. GARRATT, H. P. WAKELEE,
O. GORI, GEO. JOHNSON, C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, whilst the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulphurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,
R. L. OGDEN, Agent, SAN FRANCISCO.
S. E. corner Montgomery and California streets.
v9-19

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.]

nov8 3m* HEPBURN & PETERSON.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINERY are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any others presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hansen, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,
At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
15-1m

THE RIP VAN WINKLES OF OUR RACE.—One of the most succinct and comprehensive statements of the kind we have ever seen, appears in a Wesleyan missionary anniversary. It is a passage worth preserving:

"I suppose that no country has ever had such a united intellectual development as China. The Chinese is the largest, yet, beyond its own realm, the least influential of monarchies. From China no mission ever started, no conqueror ever marched. Before all people in rudimental invention, they are behind all people in development. They had both gold and silver coins before the first Darie was minted, yet they traffic by the scales to this day. They first had gunpowder, but have got little further with its use than to blaze it away in crackers. They were long beforehand with the magnet, but no junk ever crossed the ocean except in tow of a British ship.

They have printed from time immemorial, but their literature awakes no progressive intellect. They have made glass for two thousand years, and ordinarily do not make it clear enough to see through yet. Their astronomy is astrology, nor has their chemistry yet awoke from dreams of alchemy. They have politeness, but its odd forms and slavery of etiquette only make them more unsociable. They have a wonderful language, but its elaborate cleverness is a curse and a fetter to their minds, making it the labor of a life to read. They are not without notions of dignity, but the men find it in nails long enough for claws, and the women in feet crushed into the shapelessness of hoofs. In the South Atlantic there is a sea—the great Sargazo. All the currents pass by it. Dull, dead, heaving waves, just move the heaped up tangle of wrecks, that rot in that stagnant, melancholy ocean limbo. China is the Sargazo sea in the ocean of humanity."

FIRST MAPLE SUGAR.—The important discovery that sugar can be made from the maple tree, has been attributed to New England, and its date fixed as far back as 1765, in an article which has gone the rounds of the press. This statement has called forth a unanimous, indignant and patriotic protest on the part of the French Canadian press, and we give with pleasure currency to their claim for priority of discovery. They state that maple sugar was in general use in Canada previous to the Revolution, and long before *Dudley's Register* recorded, in 1765, its first manufacture in New England. Indeed, the Jesuit priest Charlevoix, in his History of New France (Canada), wrote as early as 1721 an account of the process by which the sugar was obtained, stating that the sugar was unknown to the Indians, thus favoring its French origin. All honor, then, to the French Canadians for the maple sugar, unless our New England contemporaries have records to substantiate their claim beyond the year 1721.

THE WATEREE.—The double-ender iron gunboat *Wateree* is still detained at Mare Island, undergoing a thorough overhauling and repairing, after her long voyage. It will be some weeks yet before she will return to the harbor in complete sailing and fighting trim.

IN delivering one of the Cantor lectures, Dr. Grace Calvert alluded to the subject of bird's-nest gelatine, used so much in China in the preparation of soup. These curious gelatinous products are not only considered great delicacies in India and China, but even in Europe, where they realize from £3 to £7 per pound.

BY an ingenious regulation, the cabmen of Paris are prevented from cheating their passengers. The law prescribes that they shall be paid by the mile, and a dial wound by clock work, set in motion by the revolution of the wheels, shows the distance travelled.

MORE than one hundred steam fire-engines, including two for London and one for Russia, have been built by the Amoskeag Company, of Manchester, N. H.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It it a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

New Mining Notices.

Ashland Mining Company, Moss Lode, Colorado Mining District, Arizona.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 16th day of November, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 17th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 613 Montgomery street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday the 3d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. T. KNOX, Secretary.

Office, No. 613 Montgomery street. nov19-21-4

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 19th day of October, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Butler, Mrs S F	124	bal 17	$3 40
Hardy, L J	132	bal 4	80
Lewald, George	33	bal 28	5 60
McNell, Patrick	25	50	10 00
Smith, George	39	bal 4½	90
Sommers, Simon	44	25	5 00
Spann, J S	209	25	5 00
Wilson, John	75	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 19th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 409 Montgomery street, San Francisco, on the 3d day of December, 1864, at hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

N. G. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco. 21

Bella Vista Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of November, 1864, an assessment of 65 cents per share was levied upon the capital stock of said company, payable on the 12th day of November, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 326 Clay street.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. FULLER, Secretary.

Office, No. 326 Clay street, San Francisco. [nov19-21-4

Blue Ledge Gold and Silver Quartz Mining Company, Kelsey District, El Dorado County, California.

The office of the above named company has been removed to Room No. 5, Government House, on the corner of Washington and Sansome streets. V. B. POST, Secretary.

San Francisco, November 14, 1864. 21

El Toro Gold and Silver Mining Company Concordia District, Panuco, Sinaloa, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 2d day of August, 1864, an Assessment (No. 4) of $2.00 per share was levied upon the assessable stock of said Company, payable on the 2d day of September, 1864, in United States gold coin to the Secretary at the office office of the Company, No. 617½ Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

FORD H. ROGERS, Secretary.

Office, No. 617½ Montgomery street, San Francisco, Cal.

In consequence of omission in former advertisement, the above notice is ordered republished. nov19-21-4

La Libertad Gold and Silver Mining Company, Cacachillas District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J W Brown	27	20	20 00
Samuel Ambrose	116	16	16 00
Geo A Raymond	2 30 50	139	130 00
I W Sloanaker	47	34	22 66
Richard Chenery	4	10	10 00
Samuel Hutchinson	1	29	20 00
E Van Valkenburg	120 121	100	66 66
Emma T Fish	60	15	10 00
E P Fish	114 117	50	33 32
Thomas N Parker	115 118 119	50	50 00
B C Howard	15 17	80	43 46
B C Howard	unissued	51	

And in accordance with law, and an order of the Board of Trustees, duly made on the 26th day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on the 3d day of December, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. 21

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of November, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, S. W. Corner of Stockton and Washington streets, San Francisco, nov19-21-5

BY AUTHORITY OF THE STATE OF CALIFORNIA.

Having fully complied with the law by a deposit of $525,000 bonds of the State of California and the United States,

BIGELOW & BROTHER,

GENERAL INSURANCE AGENTS,

FIRE, MARINE AND LIFE INSURANCE.

Capital Represented.....$15,000,000.

California Deposit..... $525,000.

Office Northwest corner Sacramento and Montgomery streets, and Northwest corner Front and California streets.

LIFE, MARINE AND FIRE COMPANIES,

HARTFORD FIRE INSURANCE COMPANY, Assets	$1,500,000
HOME INSURANCE COMPANY, of New York, Assets	3,400,000
SECURITY INSURANCE COMPANY, of New York, Assets	2,000,000
PHŒNIX INSURANCE COMPANY, of New York, Assets	1,000,000
ARCTIC INSURANCE COMPANY, of New York, Assets	600,00 0
WASHINGTON INSURANCE COMPANY, of New York, Assets	600,000
CONNECTICUT MUTUAL LIFE INSURANCE COMPANY, of Hartford, Conn.	

Policies issued on Freights, Cargoes, and Treasure, from and to All Parts of the World. Voyage War Risks taken on Hulls.

Fire Insurance Policies issued on all kinds of Insurable Property in the Country or City. Losses Payable in Gold Coin of the United States.

We represent the Oldest and Best Companies in the United States, and offer as favorable terms as any agency on this Coast.

Losses paid immediately on adjustment.

BIGELOW & BROTHER,

17-6m **General Agents.**

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

SISTERS MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
Farrell, M J	95	50	$7 50
Fisher, W F	101	7	95
Moffet, John	58 59	100	15 00
Muller, Ed	21 22 23	27½	4 13
Parker, A H	10 12 14 15 16	150	22 50
Welch, G W	29 30	50	7 50

AUGUSTA MINING COMPANY.

Bates, C M	29	125	18 75
Fairbanks, H T	52	50	7 50
Farrell, M J	75	175	26 25
Muller, Ed	19 20 21 22 23	62½	9 38
Morrison, Robt	28	125	18 75
Parker, A H	17	25	3 75
Scott, R H	53 54 55	56 800	120 00
Steaks, B F	70	50	7 50
Welch, G W	32	25	3 75

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 5th day of December, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

L. C. DODOE, Secretary.

Office No. 406 Front street, San Francisco, Cal. 21

Silver Prize Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Company, payable on the 17th day of October, 1864, in United States gold coin, to the Secretary, or to the Superintendent at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, December 17th, 1864, and the sale thereof until Saturday, December 31st, 1864. By order of the Board of Trustees.

21-4 J. WARREN CLARK, Secretary.

Notice.

THE Annual Meeting of the Stockholders of the Colorado Silver and Copper Mining Company (Arizona Territory), will be held at the Company's office, No. 528 Clay street, San Francisco, on Monday, December 26th, 1864, at 3 o'clock P. M., for the election of Trustees, and the transaction of any other business that may properly come before it.

21-4 B. W. MUDOE, Secretary

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street. nov19-21-4

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS,

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

THERE is an increasing demand for our Government Bonds in Europe. The city article of the London *Times* of the 5th of October says:

"The advices from Frankfort state that the recently awakened anxiety regarding the safety of United States bonds has in a great degree subsided, and that some large orders from Northern Germany have cleared the markets of the amounts hanging upon it. A revival of prices has accordingly taken place, although there are continuous sales on Dutch account and by parties receiving fresh parcels from New York. Altogether, the business of the last few days has been very important, a great many small orders for investment having been executed. So sanguine are the operators, that for the call of these bonds at present prices a month hence 2¾ per cent. had been paid."

This news, confirming previous reports of the favor with which American investments are regarded abroad, indicates a growing confidence among foreign capitalists as to the ability of this country to carry the war to a successful issue and to meet all the obligations incurred. If the real strength and matchless resources of the United States were better understood abroad, all doubts would be quickly resolved, and American securities would become the most popular, as they are the surest, of paying investments.

A COMMERCIAL house in Birmingham, which is concerned in the manufacture of idol images for China and India, recommends its wares to its customers in the East as follows: "Yamen, the god of the dead, in fine copper, embossed and very tastefully wrought. Rirondi, the prince of demons, splendidly designed; the giant on which he rides is of a perfect model, and his sword is of a modern pattern. Varoni, the god of the sun—a brilliant piece of art; his crocodile is of copper, and has a silver tail. Bourberen, the god of wealth; this god is of superior workmanship—the manufacturers have expended upon it their best skill. Also, other small demi-gods and inferior divinities, a very large assortment. Credit will not be given, but a discount made for cash payments."

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDES, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 11 & 56 Government House, Corner of Washington and Sansome treets, San Francisco.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

KELLOGG'S PATENT

IMPROVED NEWBURY

PRINTING PRESS.

This New, Cheap, and most Desirable

JOB PRINTING PRESS

Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.

Kellogg's Improvement

is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington handpress, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, **L. M. KELLOGG.**

October 29th, 1864. San Francisco.

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF

NOVEMBER, 1864.

Nov. 3—GOLDEN CITY.....Capt. Wm. F. Lapidge.
Nov. 12—GOLDEN AGE.....Capt. E. S. Fransworth
Nov. 23—CONSTITUTION.....Capt. J. T. Watkins.

From Folsom street Wharf,

At 9 o'clock A. M., Punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

President.....R. S. WHIOHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. FRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jltf

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

INVENTORS AND INVENTIONS.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Inventing is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Glorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignorant of the joys of victory. —[Dumas.

Mining Notices--Continued.

Blue Ledge Gold and Silver Quartz Mining Company, Kelsey District, El Dorado county, California.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the 5th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.			No. Shares	Amount
Ayer, Joseph Y			1091	3	$3 75
Albert, Lewis		1175	1847	22	27 50
Anderson, John Jr			1415	1	1 25
Acker, Valentine			1374	5	6 25
Atchison, B M		2347	2346	15	18 75
Adsit, L B		2897	2896	20	25 00
Brockway, S H			1390	10	12 50
Brpmer, Frederick			1380	10	12 50
Burr, W W			774	10	12 50
Blohm, Peter			836	10	12 50
Byxbee, John F			840	5	6 25
Byxbee, R G		842	843	20	25 00
Boyd, James T			872	10	12 50
Bratticovich, Luca			897	5	6 25
Briggs, B F	2429	2428	1573	22	27 50
Bell, Robert			1148	1	1 25
Barstow, J			1343	5	6 25
Beatty, John			1555	3	3 75
Brown, Henry S	2748	2747	1747	35	43 75
Bomeister, Sarah J			1749	5	6 25
Baebelder, R G			1769	25	31 25
Bloomer, T		2631	1981	10	12 50
Bomeister, M F			2011	2	2 50
Bosquet, Andrew		2559	2558		
		2067	2066	55	68 75
Bowden, C S		2509	2503	10	12 50
Boden, John H	2611	2610	2009	25	31 25
Bluxome, J			2572	5	6 25
Brigham, M L			1566	8	10 00
Bowley, H L		2844	2843	25	31 25
Buquett, A			1888	20	25 00
Chalmers, George			248	10	12 50
Chalmers, Robert		1358	1350		
		1354	1352	30	37 50
Curtis, John			961	10	12 50
Casas, F B de las			695	5	6 25
Cobb, Walter		1403	810	10	12 50
Chandler, Rich D	2606	2547	823	50	62 50
Cleary, Thos J			1123	5	6 25
Chamberlain, J P			1135	5	6 25
Chapman, James			1453	10	12 50
Cantin, J P		2779	2522	20	25 00
Corlett, Wm	1813	1811	1809	25	31 25
Clark, Rodney			2396	10	12 50
Cook, Francis			2493	10	12 50
Carpenter, C A		2512	2511	5	6 25
Charles, T C		2908	2508	13	10 25
Carter, Mrs H A R			2640	1	1 25
Chadbourne, Joseph			2769	20	25 00
Cantin & Everett		2905	2904	23	28 75
Dow, Martia			793	10	12 50
Davis, Luther			518	25	31 25
Davison, R G			661	15	18 75
Decker, Martin		1236	1234		
		1121	747	25	31 25
Dager, J W			2419	30	37 50
Dowper, Thos P		2013	1613	10	12 50
Day, Henry		1382	1222	5	6 25
Dougherty, B		2577	2576	13	10 25
Darling, John E		2627	2626	15	18 75
Derby, E M	2735	2734	2733		
		2732	2731	80	100 00
Elkers, L			942	10	12 50
Eldridge, J O			1025	5	6 25
Edwards, L B		1285	1269	10	12 50
Ellerhorst, H D		2472	1463	40	50 00
Englemeyer, Geo			1733	8	10 00
Everett, A F		2718	2569	20	25 00
Ekiof, S L			2705	5	6 25
Edwards, Chas W A		2800	2799		
	2798	2797	2796	2795	2794
	2855	2854	2852	2851	160 200 00
Fogg, P S			1833	1	1 25
Foy, John J		2468	1059	15	18 75
Foster, W W			2005	5	6 25
Flannegan, Edward			2976	5	6 25
Graves, Edward S			1805	5	0 25
Gruat, M E			2014	10	12 50
Gallego, Francisco			1779	5	6 25
Gerry, F F			1757	5	0 25
Goldman, J A			2431	10	12 50
Gifford, Thomas		2662	2264	15	18 75
Gill, H B		2582	2581	10	12 50
Godfroy, Christopher		2715	2712		
			2711	60	75 00
Giuste, Joseph			2744	5	6 25
Hannegan, Robert			330	5	6 25
Haywood, Z B		1409	1057	7½	9 37
Hobbs, Gilmore & Co			1085	15	18 75
Halbert, H P			1245	5	6 25
Hoffe, Henry			1253	5	6 25
Haskill, E F			1257	5	6 25
Hulse, DeWitt	1661	1571	998	25	31 25
Henderson, John		2583	1619		
		1597	1377	59	73 75
Hall, Edwd L	2526	2089	2087	20	25 00
Hall, George			1447	2½	3 12
Henchel, H L	2608	2607	1625	45	56 25
Hopper, J H			1047	10	12 50
Harris, Isaiah			1703	4	5 00
Hamman, W H			1737	5	6 25
Haynes, Nahan			1845	10	12 50
Heath, R W & Co			2322	10	12 50
Hamblin, Chas C		2198	1901	9	11 25
Hinkley, Daniel		2158	1957	20	25 00
Huff, Harry Stevens			2126	1	1 25
Hunter, W H		2332	2331	30	37 50
Huff, O B	2655	2654	2584	50	62 50
Huff, Wm B			2591	2380	25	31 25
Harriagton, J C				2532	10	12 50
Hayden, M	2638	2637	2536	30	37 50
Hawkhurst, W		2661	2600	30	37 50
Harding, John			2706	25	31 25
Hughes, Matthew			1364	8	10 00
Hayden, C W			2793	10	12 50
Ingoldsby, L D		2478	2470	25	31 25
Isaacs, C J			1935	2	2 50
Johnson, Joseph M		2507	2505	15	18 75
Johnson & Reay		1639	1459		
		1357	1355	43	53 75
Jenkins, J S			2314	5	6 25
King, John	1825	1707	1133	837	35	43 75
Kera, Samuel T			1029	5	6 25
Keru, John			2178	1459		
			1143	1141	40	50 00
Kimball, M C		1765	1763	1715		
			1617	1585	40	50 00
Kloinhaus, John			2480	2479		
			2208	2207	20	25 00
Koch, Edward				2567	4	5 00
King, J C				2746	10	12 50
Kenaedy, T's H		2830	2829	2824	80	100 00
Lewis, F R		1014	1012	577	16	20 00
Lowell, N R				724	1	1 25
Lyle, F B				833	5	6 25
Lustig, Isig				937	5	6 25
Lyman, Charles			2617	1581	15	18 75
Lewis & Co				1177	5	6 25
Leonard, E W		2030	2029		29	36 25
Lovell, Wm				2546	20	25 00
Lloyd, Jno S	2768	27-7		1765	25	31 25
Marshall, James W			1368	131	29	36 25
Miller, George		1320	1324	1322		
		1320	1316	1314	1334	110 137 50
Marble, Mrs A L				839	5	6 25
Mahler, Henry			1154	951	5	6 25
Morrison, Gorge H			2364	2001		
				10 5	20	25 00
Maxfield, F F				1159	10	12 50
Meade, Jno F				1229	5	6 25
McLean, Peter				1251	10	12 50
Myrick, Joseph				1587	10	12 50
Marsh, N F				1651	5	0 25
Manchester, Benjamin F				2197	6	7 50
Moffitt, George				2 51	5	6 25
Merrill, Aun's			2644	2291	15	18 75
McKee, Wm R				2329	20	25 00
Montagnic, J E de la		2742	2724			
		2722	2721	2716	2650	2345 86 107 50
Monohan, Wm				2531	10	12 50
McDonald, W			2473	2413	10	12 50
Mitchell, Jas C			2669	2603	20	25 00
Moron, Benj				2745	5	6 25
Nichols, R F			1271	1255	15	18 75
Murdock, A H				2770	5	6 25
Newhall, Wm M		1065	1063	1061	13	16 25
Norton, Chas B				1579	10	12 50
Nickols, Maria C				1287	5	6 25
Nelson, James				1392	30	37 50
Neal, Wm W			2621	2620	40	50 00
O'Hara, Henry				1077	5	6 25
Olphorts, Robert				2755	20	25 00
Penuell, J T		827	581	580	7	8 75
Phelan, George E				709	5	6 25
Pinkerton, W C		1389	1139	1137		
				746	25	31 25
Poole, J H				1615	10	12 50
Parker, John				1152	1	1 25
Partridge, R R				1771	25	31 25
Prosser, W J			1240	1238	10	12 50
Partridge, J R				2464	10	12 50
Parker, R A				2692	5	0 25
Post, V B		2850	2849	2848	2847	
		2846	2845	3842	2841	1888 173 216 25
Phelan, J G				2750	10	12 50
Perkins, J G				2893	5	6 25
Ryder, J T				949	5	6 25
Robinson, D N				2486	2½	3 12
Rice, Wm		2911	2910	2601	2916	
				2915	30	37 50
Ring, Peter				2589	10	12 50
Shepard, A J				542	10	12 50
Sheldon, John P			2293	1411	5½	6 87
Shoemaker, J W				1289	25	31 25
Sonnenberg, Louis B			933	932	8	10 00
Shirck, Saml				1249	5	0 25
Sudden, Robert		2210	2209	2026		
				1163	33	41 25
Sage, Louis P			1333	1331	30	37 50
Selleck, Silas				1513	5	6 25
Storer, Elizabeth A				1114	2	2 50
Smith, C J				2017	3	3 75
Stevens, T H		2082	2081	2078		
		2052	2041	2039	2411	2223
				2218	172	215 00
Simmons, N		2226	2225	2150	10	12 50
Schaffer, H H			2551	2550	2549	
		2276	2275	2273	2272	2643
		2558	2555	2554	2553	2552 176 220 00
Swain, Isaac				2390	2389	30 37 50
Shaw, S A					2474	5 6 25
Strauss, L					2521	10 12 50
Swain, Ann T		2649	2648	2647		
				2646	2345	35 43 75
Sherwood, George E					2567	10 12 50
Smith, W					2690	5 6 25
Smith, E		2869	2868	2867	2866	
		2865	2868	2879	2878	2877
		2874	2872	2870	2885	2884
		2883	2882	2881	2880	230 287 50
Swain, R R				2900	2899	50 62 50
Sparrow, S J					2901	20 25 00
Tobin, M E					662	10 12 50
Taft, James					1 97	10 12 50
Taylor, John F				1627	1201	20 25 00
Turner, A J					1445	2½ 3 12
Tracy, T F					1068	10 12 50
Treat, Mrs M H					1539	26 32 50
Teitman, A C		2753	2752	2751		
		2750	2285	2898	2771	2754 149 180 25
Travers, M			2827	28-0	2817	80 100 00
Travis, G W					2562	10 12 50
Taylor, Oliver				2592	1890	15 18 75
Vroom, P Q		2355	1136	1131	726	40 50 00
Van Pelt, P				1010	1008	16 20 00
Van Dewater, W H					2064	5 6 25
Wright, Henry C			180	176		30 37 50
Williams, Abner		1306	976	975		30 37 50
Winter, H A				222	217	10 12 50
Weller, S B					1216	3 3 75
Weller, E					434	10 12 50
Wetherbee, C H		1409	1413	725		42 52 50
Wetherbee, C H & Isaac Cook					811	5 6 25
Wilcutt, James					856	10 12 50
White & Bauer					1045	2 2 50
Werthy, E			1475	1091		5 6 25
Wiater, Daniel					1113	10 12 50
Wilson, N I					1259	5 6 25
Wilkins, Mrs F A					1649	10 12 50
Wright, Susan					1725	10 12 50
Worthley, T R					2010	5 6 25
Warner, Ab'm					2566	10 12 50
Wood, H H					2673	5 6 25
Windsor, Wm		2801	2786	2778		
		2777	2774	2-38	2837	2836
		2834	2833	2832	2804	2802 205 231 25
Wilson, L					2815	50 02 50
Zoller, John A					2642	10 12 50

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., 327 Montgomery street, San Francisco, on the 21st day of November, 1864, at 12 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

V. B. POST, Secretary.

Office, Room 15 northeast corner Monigomery and Jackson streets, San Francisco, 19-3t

Bay State Gold and Silver Mining Company.

Turnback District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 9th day of November, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 16th day of November, 1864, in United States gold coin to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 27th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.

Office, S. E. Corner of Second and Howard streets, San Francisco. nov12-20-4

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Nevada Territory. Office, Nos. 8 & 10 Government House, corner of Washington and Sansome streets, San Francisco.

Notice is hereby given that the Annual Meeting of the Stockholders of the Crown Point Ravine Gold and Silver Mining Company, for the election of Trustees for the ensuing year, will be held at the office of the Secretary, on Monday, November 21st, 1864, at 2 o'clock P. M. of that day.

oct29-18-td J. M. BUFFINGTON, Secretary.

Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, Cal.

Notice.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 20th day of August, 1864, and No. 10, levied on the 14th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Asst.	No. Certificate.	No. Shares.	Amt.
H Rothschild	9	37	2	$10
H Rothschild	10	37	2	10
M Waizmann	9	101	3	15
M Waizmann	10	101	3	15
Wm Striby	9	67	1	5
Wm Striby	10	07	1	5
Sophran Fiedler	0	84	1	5
Sophran Fiedler	10	84	1	5
C Merkle	9	90	1	5
C Merkle	10	90	1	5
Conrad Lindner	10	53	1	5
Conrad Lindner	10	7	2	10
Gottl Bohrens	10	32	1	5
John Locher	10	1	3	15
A H Beschormann	10	93	2	2
A H Beschormann	10	103	8	8
A Fenkhausen	10	02	1	5
Marianna Bootz	10	71	5	5
Jas Wands	10	75	1	5
Adam Bootz	10	89	1	5
Ban Althaus	10	88	1	5
Jacob Melle	10	84	2	10
John Baumeister	10	98	1	5

And in accordance with law and an order of the Board of Trustees, made on the 14th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 26th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

E. J. PFEIFFER, Secretary.

20 Office, S. W. Corner, Post and Dupont Sts.

POSTPONEMENT.—The above sale is hereby postponed until Saturday, December 3d, 1864.

21 E. J. PFEIFFER, Secretary.

Evening Star Gold and Silver Mining Company, Trinity District, Humboldt County, Nevada.

The Annual Meeting of the Stockholders of the above company, for the election of Trustees to serve for the ensuing year, will be held at the office of the Company, No. 710 Sansome street, on Saturday, the 3d day of December, 1864, at one o'clock, P. M. By order of the Board of Trustees.

20-3 N. DUPERU, Secretary

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment (No. 4) of twenty-five cents per share was levied upon the capital stock of said Company, payable on or before the 28th day of November, 1864, in United States Gold and Silver Coin, to the Secretary, at the office of the company in San Francisco, or to HENRY MORRIS, in Markleeville. [*Delinquents will be held for accruing costs after the 28th of November.*]

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [19-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment of $1 per share was levied upon the Capital Stock of said Company, payable on the 5th day of November, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 3d day of December, 1861 will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco. nov5-19-4

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Towuship No. 8, Calaveras County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Louis M Hickman	35	35	$14 00
Louis M Hickman	36	60	20 00
Louis M Hickman	37	54	20 00
Louis M Hickman	38	15	6 00
Wm Graham	45	150	60 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 28th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

RALPH EMERSON, Secretary.

Office, No. 640 Clay street, San Francisco. 20

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Keokuk Gold, Silver and Copper Mining Company, Location, Clayton Mining District, Contra Costa County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount
F T Carrique	86	20	$2 00
J R Thompson	332	25	2 50
D C Peterson	340	25	2 50
D C Peterson	341	25	2 50
G S Harmon	364	50	5 00
G S Harmon	365	50	5 00
Geo F Sharp	425	200	20 00
B M Hartshorn	not issued	200	20 00
John Fricker	375	45	4 50
John Fricker	432	10	1 00
Illicktey & Co.	382	40	4 00
A F Hinchman	213	50	5 00
A F Hinchman	225	50	5 00
A F Hinchman	230	50	5 00
E Bent	502	25	2 50
G W Peterson	505	500	50 00
J Leavitt	217	50	5 00
J Leavitt	218	50	5 00
Michael Butler	319	50	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

A. B. WINEGAR, Secretary.

Office, No. 422 Front Street, San Francisco. 19-3t

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of November, 1861, an assessment of $5 per share was levied upon the assessable capital stock of said company, payable immediately in United States Coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov 5-19-5

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, estate,	not iss'd	22 2-3	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fido, Wm	not issued	125	62 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Grant Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Handly, John	15	40	20 10
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 76 77		80	40 00
Payne, S S	9	5	2 50
Richardson, S	19 20	20	10 00
Tanner, O	8	2	1 00
Whitton, M S	bal	7½	3 75
Whilton, R J	bal	29	14 50
Whitton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Dyson, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many, shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. [14

POSTPONEMENT.—The above sale is postponed until Monday, December 5th, 1864, at the same hour and place. By order of the Board of Trustees.

17-6 J. WARREN-CLARK, Secretary.

Noble Grand Mining Company, Inyo District, Tulare County, Cal.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 6th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
S B Holly	1 2	100 ea	$20 00
S B Holly	3	50	5 00
S B Holly	4	20	2 00
S B Holly	5	10	1 00
S B Holly	6	5	50
S B Holly	7	3	30
J P Hamilton	23	100	10 00
J P Hamilton	24	50	5 00
J P Hamilton	25	20	2 00
J P Hamilton	26 108 to 112	10 ea	6 00
J P Hamilton	27 113 to 122	5 ea	5 50
J P Hamilton	28	3	30
Dexter Witter	9	100	10 00
Dexter Witter	10	50	5 00
Dexter Witter	11	20	2 00
Dexter Witter	12 93 to 97	10 ea	6 00
Dexter Witter	13 98 to 107	5 ea	5 50
Dexter Witter	14	3	30
Mrs S S P Eastman	127	5	50
J S Keifer	128	4	40
M C Smith	129	4	40
M M Sixsmith	130	4	40
A Z Valleau	92	10	1 00

And in accordance with law and an order of the Board of Trustees, made on the 6th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the Secretary, on the 30th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. G. WOOD, Secretary.

Office, No. 240 Montgomery street, cor. of Pine. 20

Owens River Canal Company.—Annual Meeting.

Notice is hereby given, that the regular Annual Meeting of the Owens River Canal Company, for the election of officers for the ensuing year, and the transaction of any other business that may come before the meeting, will be held at the Office of the Company, Room No. 2, second floor, No. 302 Montgomery street, corner Pine, at 7½ o'clock, in the evening of Saturday, the 26th day of November next.

T. L. BIBBINS, Secretary.

San Francisco, Oct. 28th, 1864. 18-td

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, Nev.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of November, 1864, an assessment (No. 9) of 50 cents per share was levied upon the Capital Stock of said Company, payable on the 9th day of November, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on the Saturday the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco, California. nov12-20-4

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. CERRIE, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets San Francisco, Cal, 19-4t

Palma Silver Mining Company, District of Ures, Sonora, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W. F. Leland	167	35	$8 75
Sarah J Wyman	28	5	1 25
H G Phillips		20	1 25
J H Stone		20	5 00
George Sawyer	51	10	2 50
Leonard Noyes	35	10	2 50
Ellen M Burns	75	10	2 50
A Chrisler	91	10	2 50
S B Watson	84	10	2 50
Mrs C McDougall	17	25	6 25
J W Sargeant	33 to 40	60	15 00
Geo K Phillips	149	15	3 75
Lewis Whiting	163	1	25
A J Ralston	166	15	3 75
Elmira C Hogden	88	5	1 25
Edward Tompkins	19	100	25 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 19th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

Office, No. 411 Clay street, San Francisco. oct29-18

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1861, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1-3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	10 2 3	50
G A Parrinton	11	18 2 3	60
R C Jacobs	32, 137	39 1-3	119
J J Corrigan	153	31	93
J F Dorland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Philips	54, 55, 66		
	67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palache	99, 100, 145	29 2-3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Mooro	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
E G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peck	128	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	160	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1861, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of October, 1864, an assessment (No. 9) of twelve and a half (12½) cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at his office, No. 53 Montgomery Block, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 21 day of December, 1864, will be advertised as delinquent on Saturday, the 3d day of December, 1864, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. FELL, Secretary.

Office, No. 53 Montgomery Block. nov5-19-4

Scott Mining and Exploring Company, Humboldt County, Nevada Territory. Office, Northeast Corner of Montgomery and Jackson streets, San Francisco.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 28th day of September, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
O Drouillette	24	50	$16 67
L Carter	179	10	3 33
Kunnely Morehouse	156	5	1 67
P Muthison	158	10	3 33
Steve A Rendell	176	10	3 33
Steve A Rendell	160	5	1 67
C C Farmer	177	5	1 67

And in accordance with law, and an order of the Board of Trustees, made on the 28th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 23d day of November, 1864, at the hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

V. B. POST, Secretary.

Office, N. E. Corner of Montgomery and Jackson street, Room No. 15. nov5-19-3

Stars and Stripes Copper Mining Company, Rock Creek District, Calaveras County, California.

NOTICE.—There is delinquent upon the following described stock, on account of Assessments levied on the 21st day of May, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
Ran Dean	not issued	150	$15 00
J W Griswold, Sr	"	150	12 50
Joseph Been	"	150	15 00
Edward Cornillus	"	150	15 00
Smith Gildersleeve	"	75	7 50
Rob McDonald	"	150	15 00
B F McDonald	"	150	15 00
Conrad Hyser	"	150	15 00
Augustus Shriver	"	150	15 00
Samuel Brimmer	"	150	15 00

And in accordance with law, and an order, of the Board of Trustees, made on the 5th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the hotel of J. A. Black, on Saturday, the 26th day of November, 1864, between the hours of 11 o'clock, A. M. and 1 o'clock P. M, of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. J. FINDLEY, Secretary pro tem.

Office, Rock Creek, Calaveras County, Cal. 20-3

Steamboat Silver Mining Company, Star District, Humboldt County, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1861, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable on the 18th day of October, 1864, in United States gold coin, to the Secretary, or to JAS. S. MACLEAN, Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on Saturday, the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 5th day of December, 1861, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

S. O. PUTNAM, Secretary.

Office, Northeast corner Jackson and Front streets, San Francisco. 17-4

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday the 26th day of November, 1864, and the sale thereof until Monday, the 12th day of December, 1864. By order of the Board of Trustees.

19 S. O. PUTNAM, Secretary.

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of November, 1864, an assessment of $2.50 per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-4

Wilson Copper Mining Company, Garden Bar District, Placer County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 31st day of October, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 1st day of November, 1864, in United States gold and silver coin, to Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco. nov5 19-4

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

RETURNING TO THE STATES—NOVEL WAY OF TRAVELLING.—For the last few weeks, says the Salt Lake *Telegraph*, we have heard of immense numbers of persons returning to the Eastern States, from the northern mines, many more favored with this world's pelf, have passed through this city; the mass have gone onward by the nearest cut "across lots," towards the Platte River, and now we hear of them going down the Missouri. The Montana *Post* of the 1st November, says: "In a few days fifteen boats will leave Fort Benton for the States. These boats are made bullet-proof, with double sides and port holes. Each boat will carry fifteen passengers, and will be propelled by oars through holes cut in the sides. The oarsmen will be entirely out of sight, and the pilot will have a bullet-proof house over the tiller. The precautionary arrangements are rather indicative of the times, and no doubt intended as preservatives against red skins and guerrillas.

Notice.

THERE will be a Meeting of the Stockholders of the Salamander Gold and Silver Mining Company, at No. 35 Metropolitan Block, on Monday the 21st inst., at 7 o'clock P. M. By order of the President.

21-1 F. D. GALLAGHER, Secretary.

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Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be witheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved: if the invention has been in part patented, the applicant will be enable to modify his claims with a view to obtaining as many of the other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or unwise decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, prescuting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the invention shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: Dewey & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles, Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented: likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judges, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

American and Foreign Patent Agency

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DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, NOVEMBER 26, 1864.

VOLUME IX. Number 22.

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MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

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NAME, LOCATION, ASS'T.	DAY FOR ADV'G—SALE
Ashland, Arizona, 50c	Dec 17—Jan 3*
Arizona Cons., 20c	Nov 19—Dec 3*
Amador Cons., Lander co., $4	Nov 21—Dec 6
Antelope, Esmeralda, $25	Dec 6—Dec 26
Arroyo de los Catos, 10c	Dec 10—Jan 10
Arlatic, Flowery, $1	Dec 10—Dec 26
Arbitrios, Chihuahua, $2	Dec 10—Dec 24
Alemania, San Antonio, $1	Dec 9—Dec 19*
Ashland, Virginia, $1	Dec 26—Jan 6
Blue Ledge	Removal*
Buy State, Turnback, 25c	Dec 10—Dec 27*
Bella Vista, Cacachillas, 65c	Dec 17—Dec 31*
Bella Vista	Annual Meeting Dec 1
Bajazett & Golden Era Cons., $5	Sale Nov 26 Virginia
Ballic, Virginia, $10	Levied Oct 12
Buckeye, D. C., $3	Nov 21—Dec 3
Boston Copper, El Dorado co., 50c	Nov 29—Dec 13
Burlington, Napa, 50c	Dec 12—Dec 25
Big Blue Lead, Cove, $2	Dec 5—Dec 17
Bee, R. R., $2	Dec 13—Dec 26
Colorado, Arizona	Annual Meeting Dec 26*
Crown Point Ravine, G. H., $2	Dec 24—Jan 7*
Citizens', Coal, Mount Diablo, $5	Nov 12—Nov 26*
Chicago & Detroit, Amador co., $1	Nov 19—Dec 3
Capitola, Santa Clara, 25c	Nov 14—Nov 26
California, Virginia, $12.50	Dec 7—Dec 22
Copp, Humboldt, $3	Dec 19—Dec 5
Coral, Amador Dis., 50c	Dec 6—Dec 17
Consolacion, Sinaloa, $1	Dec 10—Dec 23
Columbia, Tuolumne, $2	Dec 10—Dec 23
Chandler, Lyon co., 50c	Nov 25—Dec 7
Caledonia T. & M	Special Meeting Dec 21
Cosmopolitan, Gopher, 50c	Dec 26—Jan 17
Coral Viejo, Mexico	Annual Meeting Dec 15
Chollar	Annual Meeting Dec 7
Crown Lead, Mariposa, $1	Dec 19—Dec 31
Cinco Senores, Mexico, $2	Dec 21—Jan 9
Cordillera, Chihuahua, $1	Dec 14—Dec 24
Columbia	Special Meeting Dec 3
Del Norte Comstock, 45c	Dec 5—Dec 17
Diamond, Copper, Del Norte co., 75c	Oct 31—Nov 30
Dacota, R. R., $1	Nov 18—Dec 5
Dios Padre, Sonora, $3	Nov 12—Dec 12
Daney, Lyon co., $2	Dec 8—Dec 27*
Durant, Nye Co., $1.60	Dec 27—Jan 14
Del Norte Comstock	Annual Meeting Dec 3
Empress, Gold Hill, $1	Dec 30—Jan 20*
El Toro, Sinaloa, $2	Dec 17—Dec 31*
Evening Star, Humboldt	Annual Meeting Dec 3*
Emilia, Mexico., 25c	Dec 3—Dec 21
El Tesoro, Lower Cal., $4	Nov 15—Nov 30
El Taste, Mexico, $2.50	Dec 18—Dec 30
Eureka Cons., Arizona, 50c	Nov 10—Nov 26
El Dorado, Virginia, $2	Dec 5—Dec 21
Eureka Coal, Alameda, 20c	Nov 17—Dec 2
Empire T. & M., Humboldt, $2	Nov 29—Dec 17
Ethan Allen, R. R., $1	Dec 5—Dec 19
Franco Americana, San Antonia, $1	Nov 28—Dec 9
Good Hope, Alpine, 25c	Dec 3—Dec 17*
Gobernadora, Lower Cal., $1	Dec 5—Dec 17*
Green, Gold Hill, $1	Dec 16—Dec 31
Gov. Seymour, R. R., $5	Nov 12—Dec 6
Gold Rock, Calaveras co., 50c	Nov 12—Nov 28
Great Central, Weaver, 25c	Nov 28—Dec 9
Germania Mina Prieta	Special Meeting Dec 9
Golden Ark, Mariposa, 10c	Dec 3—Dec 17
Great Western T. & M	Special Meeting Dec 10
Humboldt Canal, Humboldt co., $3	Nov 8—Nov 26
Hale & Norcross, Virginia, $25	Dec 10—Dec 28
Hanscom, Del Norte	Annual Meeting Dec 7
I X L, Alpine co., $3	Dec 2—Dec 16
Jessup, Calaveras co., 40c	Nov 8—Nov 28*
Jewett, G. H., $1	Nov 26—Dec 13
Josephine, Coso, $1	Dec 21—Jan 5
Lions, Gopher, 25c	Dec 23—Jan 7
Kentucky Copper, Madame Felix, 50c	Nov 26—Dec 10
Kohler Brothers, San Antonio, $1	Nov 19—Dec 2
La Candelaria, San Dimas, $5	Dec 10—Dec 24*
La Libertad, Cacachillas, $1	Nov 19—Dec 3*
Las Chureas, $50	Nov 17—Nov 28
La Fernandez, Hermosillo, Mexico, $7	Dec 5—Dec 20
Las Cruzecitas, San Xavier, $6.25	Nov 14—Nov 25
London Quartz, Siskiyou	Nov 5—Nov 26
Lady Bryan, Flowery, $5	Dec 6—Dec 20
La Blanca, Ures, $2.50	Dec 7—Dec 19
Lady Bell, Low Divide, 10c	Dec 19—Dec 30
La Palma, San Antonio, 50c	Dec 12—Dec 23
Mammoth, Rock Spring, 60c	Dec 24—Jan 9*
Mammoth, Silver Mountain, 50c	Sale Dec 5*
Monster Cons., 30c	Dec 24—Jan 6
Mc Elroy, Lyon co., 50c	Nov 25—Dec 7
Molones and Stanislaus, Calaveras co., $2.50	Nov 23—Dec 12
Musidora, San Antonio, 50c	Dec 3—Dec 17
Mina Prieta, Ures	Annual Meeting Dec 2
Mammoth, Rock Spring	Special Meeting Dec 2
Mina Rica de las Flores	Special Meeting Nov 30
Noble Grand, Inyo, 10c	Nov 12—Nov 30*
Napa, Silver Mountain, 30c	Nov 19—Dec 5*
New Era, Cop., Tuolumne co., 25c	Dec 24—Jan 7*
Nuestra Senora de Guadaloupe, Jallsco, $5	Dec 7—Dec 23
Nuestra Senora de Guadaloupe, Durango, 60c	Dec 7—Dec 23
Nonpariel, Tuolumne, $5	Dec 24—Jan 9
North Potosi, Virginia, $12.50	Nov 22—Dec 10
Nneosari, Sonora, $1.50	Oct 29—Dec 1
North Star, R. R., $1	Dec 12—Dec 23
Nevada, J. O., $10	Levied Oct 29
Oxford Ilcta, Esmeralda, 50c	De 10—Dec 28*
Ontario, R. R., 25c	Nov 19—Dec 3*
Owens River Canal	Annual Meeting Nov 26*
Open Sesame, Clayton, 50c	Nov 15—Dec 5
Overman, $50	Levied Nov 19 Gold Hill
Pena Silver, Lower California, $3	Aug 20—Jan 31*
Patrocinia & Dolores	Special Meeting Dec 12
Pioneer M. & M., R. R., $3	Dec 26—Jan 10
Point Arena Petroleum, 50c	Dec 26—Jan 7
Porter, Butte	Annual Meeting Nov 28
Raba, R. R., $1	Dec 24—Jan 9*
Sierra Silver	Annual Meeting Dec 12
Smoky Valley, Lander co., $1.50	Dec 24—Jan 7
Silver Circle, R. R., $2	Dec 22—Jan 7
Real del Monte, Esmeralda	Sale Nov 28
Richland, R. R., $3	Nov 17—Nov 29
Rancheria, San Antonio, 60c	Nov 25—Dec 6
Richland	Annual Meeting Dec 5
Refugio, Chihuahua, $2.50	Dec 5—Dec 17
Rancheria	Special Meeting Dec 5
St. Olair Cons., R. R., $1	Dec 17—Dec 31*
Silver Prize, Silver Mountain, 15c	Dec 17—Dec 31*
Stars & Stripes, 10c	Nov 12—Nov 26*
Santa Cruz, Petrolcum, 12½c	Dec 3—Dec 17*
Steamboat, Star, $1	Nov 19—Dec 5*
Scott Mining & Exp., Humboldt co., 33½	Nov 8—Nov 21*
Sisters & Augusta, Lander co., 15c	Nov 19—Dec 5*
Stanislaus Copper, 50c	Nov 16—Dec 2
San Lorenzo, Santa Cruz, 50c	Dec 17—Jan 2
Santa Rosa de Ures, Mex., 50c	Nov 8—Nov 26
San Carlos Ex. & M., Inyo, $2	Nov 9—Nov 24
Sierra Valley, Plumas co., $1	Dec 10—Dec 24
Superior, copper, Plumas, 75c	Nov 19—Dec 6
Stephen A. Douglas. R. R., $1.50	Dec 8—Dec 23
Southern Light, R. R., $5	Sale Nov 25
Stephen A Douglas	Annual Meeting Dec 6
Sweet Vengeance	Quarterly Meeting Dec 19
Star of Empire, Mariposa, 10c	Dec 2—Dec 10
Tallulah, Sierra, $2.50	Dec 10—Dec 24*
Table Mountain Copper, Calaveras co., $1.25	Dec 3—Dec 22
Troy, R. R., $4	Nov 21—Dec 3
Tellurium, Amador co., $1	Nov 2—Nov 26
Tuscarau, R. R., 50c	Dec 17—Jan 5
Tresoro & James River Cons., R. R., $4.50	Dec 3—Dec 19
Trinadad & San Jose, Sinoloa, $10	Dec 26—Jan 15
United States, Virginia, $1	Dec 24—Jan 7*
United States	Annual Meeting Dec 26*
Utah, $12.50	Dec 11—Dec 29
Wilson, Carden Har, 50c	Dec 8—Dec 17*
White & Murphy, Virginia, $4.50	Nov 10—Nov 25
Whitlatch, R. R., $5	Dec 16—Dec 28
Wide West, Esmeralda, $5	Dec 23—Jan 9
Yankee Blade, R. R., $5	Nov 25—Dec 13

*Those marked with an asterisk (*) are advertised in this journal.

ASSESSMENT AND SALE LIST
OF CLAIMS IN
VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	Date of Levy.	Am't per foot
Crystal Peak W, D, M, L and M Co.	Nov 13	5 00
Fairview	Nov 10	5 00
Gold Hill Draining	Oct 30	30 00
Hull	Nov 5	1 00
Mount Blanc	Nov 22	1 00
New Oregon	Nov 22	2 50
Rock Island	Nov 20	1 00
Utah	Nov 12	3 00
Wanderlug	Nov 15	50

Delinquent Sales.

Name of Company.	Date of Sale.	Place of Sale
American Flasin	Dec 10	Virginia
Branch Mint	Dec 3	Virginia
Croesus	Dec 14	Virginia
Cero Pasco	Dec 15	Virginia
Colorado	Nov 28	Gold Hill
Daniel Low Coal Co	Dec 10	Virginia
Daniel Webster	Dec 10	Virginia
Granada	Nov 26	Virginia
German	Dec 10	Virginia
Hull	Dec 5	Virginia
Kentucky	Dec 10	Gold Hill
La Plata Oro	Dec 3	Virginia
Mount Blanc	Dec 17	Virginia
Milton	Dec 3	Virginia
Michigan	Dec 3	Gold Hill
Mary Ann	Nov 28	Gold Hill
New Orleans	Dec 10	Virginia
Santa Fe	Dec 10	Virginia
Utah	Dec 12	Virginia

San Francisco Jobbing Prices Current.

Flour, extra, ₱ bbl	12 00 @12 50
Do Superfine	11 00 @11 50
Corn Meal, ₱ 100 lb	4 00 @ 4 50
Wheat, ₱ 100 lb	3 75 @ 4 00
Oats, choice, ₱ 100 lb	3 15 @ 3 25
Barley, ₱ 100 lb	3 75 @ 3 90
Beans, ₱ lb	3 @ 4
Potatoes	2½@ 4
Hay, ₱ ton	35 00 @40 00
Live Oak Wood, ₱ cord	8 00 @ 9 00
Beef, on foot, ₱ lb	1 @ 4
Beef, extra, dressed, ₱ lb	2 @ 7
Sheep, on foot, ₱ lb	1½@ 2
Hogs, on foot, ₱ lb	4 @ 6
Hogs, dressed, ₱ lb	8 @ 9½
Groceries, Etc.	
Sugar, crushed, ₱ lb	17½@ 18
Do China	12½@ 13
Coffee, Costa Rica, ₱ lb	23 @
Do Rio	22 @ 23
Tea, Japau, ₱ lb	70 @ 72½
Do Green	50 @ 85
Hawaian Rice, ₱ lb	12½@ 14
China do	9 @ 10
Coal Oil, ₱ gal	55 @ 75
Candles, ₱ lb	18 @ 22
Ranch Butter, ₱ lb	50 @ 80
Isthmus do	35 @ 40
Cheese, California, ₱ lb	20 @ 25
Eggs, ₱ doz	75 @ 80
Lard, ₱ lb	18 @ 19
Ham and Bacon, ₱ lb	15 @ 19
Shoulders	10 @ 12

FROM SANTA CATALINA ISLAND.—A lot of copper and silver ore from Catalina Island, which arrived in this city some days since has been assayed and sold. The copper was from the Yellow Jacket, about one and a half miles from the landing, 16¼ per cent. The vein varies from three to four feet in width. The silver ore assayed $97 to the ton; it was from the Ne Plus Ultra mine, located about two miles from the landing, and averaging about six feet in width. The companies owning the lead mines, in the N. E. portion of the island, are exhibiting an increased energy in developing and working their ground. Twenty-five tons of ore were recently received in this city, on which $60 per ton was advanced, for shipment to Europe.

A CITIZEN of Washington has sent one hundred dollars to General Grant to be given to the man who first unfurls our flag in Richmond.

IMPORTANT MINING SURVEY.

It was announced, a short time since, that a party eminently qualified for the task was about to originate a thorough survey of the Comstock lode and the ground immediately adjoining. The survey is intended to be a very complete one, and will embrace general linear surveys of each mining district, as also underground surveys of the several mining claims now working, and such of those at rest as may solicit notice. The trend or course of each ledge on the surface will be delineated. The location of such claim, and the contour lines best adapted to reach it economically, will be shown where required, and any special notice sought for which does not militate against the general design, will be attended to. It has long been a matter of much surprise that nothing of the kind has been attempted ere this. Such a survey, if properly carried out by a party of acknowledged ability, would accomplish much good in giving confidence to foreign capital and attracting it bither for investment. To bring about such a result it is necessary that the information desired must come from parties, who will be fully accredited in Europe, as men of reliability and judgment. The unrivalled silver mines of our neighboring State have not yet been properly introduced to the foreign capitalist. To do so it is necessary that they be exhibited in connection, as well as in detail, that it may be seen at a glance how closely they interlace our hills and vales in continous belts, whose courses, however sinuous, are still evident to the eye of the scientific and practical man. It is to be hoped that no efforts will be spared to have the work properly carried out. It appears that our friends over the mountains have a party now among them, accredited by the savans of Europe, willing to do the work, provided the companies will advance the necessary means for the surveys, etc. It is to be hoped they will not allow this work to fall through, by giving it a cold shoulder. The entire amount asked is $12,000, which, among the companies, would be but a trifle to each.

CARMEN ISLAND MINES.—We have been allowed the perusal of a private letter received in this city accompanying a shipment of five tons of copper ore, estimated to contain from 50 to 60 per cent. of copper, besides a large percentage of silver. The writer has had an experience of some fourteen years as a miner, some seven of which he has spent in the silver and copper mines of Mexico, and remarks that he prefers Carmen Island as a mineral district to any which he has seen in Mexico or on the Peninsula of Lower California. He adds: "The facilities for shipping will in no case be more than three miles from a point of embarcation." The ore alluded to above came from within one mile of the embarcadero. It will be smelted in this city.

OBITUARY.—We regret to announce the death of Mrs. Chenery, wife of Richard Chenery, Esq., who died at the Sick Home, in this city, on Wednesday, 23d inst. Mrs. Chenery was a very estimable lady and leaves a large circle of friends and acquaintances here as well as in the East, to mourn her loss.

Spontaneous Combustion.

The Orientals say of fire, a little is life, a great deal is death. It is the mighty agent of material transmutation. Its sources are everywhere. An old chemist declared that a "nitrous spirit" exists in the air, which dissolves bodies susceptible to its influence. Oxygen is the great supporter of combustion, and oxygen comprises one half of the earth's crust. All minerals are burnt compounds. Water extinguishes fire, yet water is composed of eight parts of oxygen and one of hydrogen, and hydrogen is the most inflammable of bodies, and was once supposed to be the matter of heat. Water is even formed through the agency of fire, the union of the two elementary gases being an instance of true combustion. Water is a fire producer as well as fire extinguisher, and in some instances increases the destruction when applied to burning buildings. The metals, potassium and sodium take fire when brought in contact with cold water. Says Sir Humphrey Davy: "Give me accumulations of potassium or sodium, or other analagous metals in the bowels of the earth, and let the waters of the sea descend to them, and all the phenomena of the volcano and the earthquake may be produced." It is well known that sulphuric acid and water mixed cause great heat. Hot saltpetre (nitrate of potassa), and nitrate of soda, but deflagrate at certain temperatures, when the application of water will cause explosions. Such is also the case with common culinary salt.

Chemistry does not yet explain the production of heat, but the old-time mystery of spontaneous combustion is partially cleared up by the present well understood liability of certain bodies, to develop heat enough to set them on fire, while undergoing natural chemical changes. As this matter is of practical and general importance, we cite here the most common cases of such combustion:—

Cloths, Waste and Oils.—The saturation of cotton, tow and waste is a frequent source of spontaneous iguition. Recently expressed fixed oils are particularly disposed to oxidize when exposed to light and air.

Experiments prove that cotton saturated with linseed oil will inflame in two hours. The rags used by grainers and any cloths about paint shops may generate fire; so may canvas painted with white lead and oil or varnished, dried in the sun, especially when piled together. Wool and wood saturated with flaxseed oil are liable to ignite also; ditto saw dust.

Mineral Oils.—Some mineral oils give off explosive vapors at atmospheric temperature.

Bituminous Coal and Iron Pyrites.—Bituminous coal lying in large heaps has at times ignited through the decomposition of associated sulphuret of iron. Rapid oxidation of iron fillings and turnings has produced great heat; fully enough to inflame combustible material.

Wet Merchandize.—We have already hinted that water may be an incendiary. Bran and ship stuffs when wet and confined evolve great heat.

Packages of coffee wet and confined have taken fire.

Several ships are known to have been burned from having wet cotton on board.

The heat evolved by lime when wet is intense; very dangerous when confined; frequently burning boats and leaky warehouses. During the great gale of September, 1860, the waters of the bay were driven up into the city of Mobile so as to cause a great overflow, reaching warehouses where lime was stored. A fire resulted, which consumed about a half million of dollars worth of property.

Haystacks and ricks of grain have given rise to spontaneous combustion when harvested too green, or during wet weather, and laid in, in large bodies. Feed stores, mills, warehouses, elevators, grain cargoes, barns and all other depots of masses of produce are more or less involved in this hazard.

Wood Ashes.—There are well authenticated cases on record of fire existing in piles of old ashes. Combustion has commenced in ashes which had remained undisturbed for two years. Repeated experiments have proved that wood ashes having linseed oil spilled upon them will ignite in from twenty-four to forty-six hours, and continue to burn for a half day.

Drugs, Chemicals, Etc.—Many compounds in daily use among apothecaries and chemists are known to evolve heat. The absorption of oxygen by spirituous liquors, in becoming ascetic acid, creates heat. Phosphorus will take fire in the open air when the thermometer reaches one hundred degrees. Pyrophorus (a compound of alum, pearlash and lamphlack,) ignites upon exposure to the air and explodes upon the slightest friction. Alcohol and water mixed evolve heat. Almost any acid spilled upon almost any metal not only evolves heat but generates inflammable gasses.

Lampblack in casks has been known to ignite on shipboard. Lampblack, or even common soot, dropped upon phosphorus in the open air ignites almost instantly. Lampblack in common oil putty was the undoubted agent in the destruction of a large Cincinnati furniture manufactory, a few years ago. Charcoal powdered and piled in a heap is liable to spontaneous combustion.

Parched Rye Bran.—Experiments have shown that parched rye bran, wrapped in linen clothes, smoked in a few minutes, and soon burned through the cloth.

A cask of oatmeal, left standing in a kitchen for three months, took fire spontaneously, and was totally consumed, with the barrel.

Dried hops were put in a cotton sack and laid on a pile of cotton seed, and after lying three months they inflamed.

Stable Manure.—Many occurrences, not otherwise explainable, lead to the conclusion that stable manure will burn spontaneously. Its chemical contents favor the supposition.

Solar combustion.—Several instances of this have been reported. Some German friction matches will take fire in a clear hot sunshine. —*American Exchange and Review.*

Mining in Great Britain.

Great Britain, the leading metal-producing nation of the globe, as regards copper, tin, lead and iron, present facts and experience in connection with the working of lodes and reduction of ores, ever interesting and suggestive to metal and mineral seekers the world over. Her mining history begins far back in the past. The Phœnicians, in the day of their commercial grandeur, exchanged their manufactures for the tin of England, and the Romans mined for gold in Wales.

Notwithstanding her extensive manufacture of iron, the United Kingdom is deficient in good iron ores. Her copper mines are confined mainly to the southwestern point of the island, embracing the counties of Cornwall and Devon. Copper and tin are found in the same veins together; in one district copper will prevail, and in another tin, and in a mine worked for tin greater depth may reveal a prevalence of copper. Long before the value of the copper was suspected, the granite and the porphyry of Cornwall were worked for tin. The lead districts are classified as follows: Devon and Cornwall Northern Counties, Shropshire, Ireland, Scotland, South Wales, North Wales and the Isle of Man. In the northern counties are the richest lead deposits. In three districts of England the mountain limestone is productive of lead, zinc and copper.

Thirty years ago, England supplied 50 per cent. of the annual copper production of the globe, and in 1857 more than 20,000 tons of the metal. The metallic product of the Cornwall and Devon ores is between 6 and 9 per cent. Other mines give a higher average per centage of metal than these.

A century ago, the tin mines of Cornwall and Devon yielded about 1,500 tons a year, and since 1820 the yield of each decade has been augmenting. At present, however, Cornish tin mining is injuriously affected by the price of the metal. At most of the mines, tin cannot be raised at less than £70 per ton, while it is selling at £60. To prevent such reduction in price, it is proposed to have public sales, as in the case of copper.

There are now in the United Kingdom 63 mines paying dividends from the profits; Cornwall contains the greatest number of these. These mines produce various ores—gold, copper, lead, tin and iron. Some are worked only for one of these substances; others for two or or more. There is but one mine which makes profits from yield of gold—the Vigra and Clogan, situated in Wales, and which is also worked for copper. Upon an outlay of £16,800, or £4 per share, this undertaking has declared dividends of £25,725, or £6 2s. 6d. per share.

The copper mines show but 18 of their number on the present dividend list; of these, 13 are in Cornwall, viz: Clifford Amalgamated, East Basset, East Carradon, Marke Valley, North Treserkby, Par Consols, South Carradon, South Tolgus, South Frances, West Basset, West Damsel, West Steton, and Basset; in Devonshire, 2, Bedford United and Devon Great Consols; in Cheshire, 1, Alderly Edge; in Anglesea, 1, the Parys Mines; and in Ireland, 1, the Wicklow Mines. These mines, upon aggregate outlay of £279,843, have declared dividends of £2,702,437, the several counties contributing in the following proportions: Cornwall, with 13 mines, has paid £1,580,295, on £229,986 expenditure; Devonshire, 2 mines, £988,212, upon £10,357; Ireland, 1 mine, £101,850, upon £17,500; Anglesea, 1 mine, £20,500, upon £10,000; Cheshire, 1 mine, £11,589, upon £12,000.

These figures show a return on the invested capital of £965.60 per cent. In the case of some companies the profits may be characterized astounding. By the twentieth annual report of the Devon Great Consols Mines, it appears that with an original outlay of £1,024—£1 per 1,024 shares, into which the mine was divided—the quantity of copper ore returned during the twenty years' working amounts to 397,396 tons, which realized £2,345,993. Of this there has been paid in dividends £912,384, or nearly £900 per share; and as shares are now quoted at about £600, this will make a return of nearly £1,500 per share for an original outlay of £1. The greatest quantity of ore returned in one year was in 1857, when 28,836 tons were returned, in which year also the greatest amount of money was realized, reaching £159,432. The largest amount paid in dividends in one year was in 1846, when £72,704 were divided. During the past year 26,834 tons of ore were sold, realizing £130,175. The amount paid in dividends was £56,320, being £55 per share. The ore reserves in the mines are estimated at 72,171 tons, which at the average price realized by the ores sold during the past year would give a money value of over £350,000.

The South Caradon, upon £640 expended, has declared dividends of £224,512, equal to 35,080 per cent., or £350.80 for every £1 embarked. South Frances, upon an outlay of £9,373, has returned £183,855, equal to 1,957 per cent.; and Basset, upon £2,624, only, expended, has declared dividends amounting to £307,200, or 11,707 per cent. All these undertakings continue to pay well, but there are certain mines which have proved exceedingly profitable, but are now abandoned, or have discontinued the payment of dividends during the extension of the works or machinery. Among these the Tresavean, which returned £4,677 7s. per share upon an outlay of £32 10s., or equal to 1,439 per cent. upon the capital embarked; and Buller, which, upon an expenditure of £5 per share paid dividends of £929 per share, equal to 18,580 per cent., are prominent examples of successful mining.

Nine mines worked for both copper and tin at present pay dividends; these are all in Cornwall. They are the Boscaswell, Botallack, Carn Brea, Dolcoath, Drake Walls, East Pool, Great Vor, Seton and Tincroft. Upon aggregate outlay of £430,641, these mine properties have declared dividends of £880,848, equal to a return of 204 per cent. on the capital embarked. The most profitable of the above named undertakings have been the Botallack, which, upon an expenditure of £18,250, or £91 5s. per share, has divided amongst the shareholders £95,550, or £477 15s. per share, equal to 523 per cent.; Carn Brea, which has returned £380,500, upon £15,000 outlay, or equal to 1,870 per cent.; Dolcoath, £270,827 dividends on £46,137 expended, equal to 587 per cent.; and East Pool, £46,784, dividends, upon £3,104 outlay, equal to 1,507 per cent. upon the capital employed. Of mines producing copper and tin, which have been profitable, but are now paying dividends, the following are the most important: Condurrow, which upon £45 expended per share, has made profits of £85 per share, or 188 per cent.; and Levant, which has paid dividends of £174,560, upon £400 outlay, equal to the enormous return of 43,640 per cent., or £43,640 for every £1 invested.—*American Exchange and Review.*

Rivot's Mode for Working Pyrites.

Since the working of the Morning Star ore, which resulted so favorable—$60 per ton, our citizens have manifested much interest as to the manner and process by which it was worked. We are now enabled to gratify their laudable curiosity. It was worked at the instance of Messrs. Wade, Schetter & Jones, proprietors of the Pioneer Quartz Mill, of this city, at the Brunswick Furnace, Empire City, Nevada, by "Rivot's Patent" for decomposing sulphides in ores, and freeing gold and silver contained in them, and for the elimination of sulphur and other volatile substances which prevent, by their presence, the amalgamation of gold and silver with mercury. The decomposition of the sulphides is effected in a furnace differing but slightly from an ordinary reverberatory furnace except that the bridge wall is higher, and the arrangement of the flues such as to conduct the flame and heated air from the furnace, along the arch, and prevent its contact with the ore, thus leaving a space between the surface of the ore and the strata of flame for the accumulation of the vapors of sulphur and the volatile metals which are formed. After the furnace has been charged, and the temperature raised to the proper point (a dull red heat), jets of steam are introduced into the space between the heated ore and flame and by its decomposition gives rise to a current of oxygen and hydrogen gases in their nascent state; these combine with the vapors of sulphur, arsenic, antimony, etc., and form gaseous compounds, which are carried off by the draft while the oxygen combines with the fixed metals present, converting them into oxyds, but the gold and silver, having but very slight affinity for oxygen, are left, after the chalcination of the sulphur, with which they had been combined, in a free state. The process is founded upon the fact that hydrogen, in its nascent state (that is the peculiarly active state in which it exists when first freed from combination), or at a high temperature has a powerful affinity for sulphur, arsenic, antimony, etc., and forms with them gaseous compounds, which are carried off by the draft. The sulphur forming sulphurous and hydrosulphuric acid gases, and the arsenic and antimony forming similar compounds with the oxygen and hydrogen, equally volatile, are gradually eliminated until, when the process is completed, no trace of them exists in the ore, which is then said to be roasted *dead*, it is then removed from the furnace and amalgamated by the ordinary process.—*Alpine Chronicle.*

Boiler Explosions and their Prevention.

An important letter upon this subject has been addressed to the editor of the London *Times* by Mr. Joseph Hopkinson, of the Britannia Works, Huddersfield, in which he points out the disadvantage of official inspection, whether conducted by the government or by commercial associations. He maintains that many boiler explosions have taken place from the interference of the inspector. He admits that inspection may be the means of lessening these catastrophes, but considers that the class of inspection required must greatly differ from the system carried out by the Manchester Association, which he avers is not only retrograde in its tendency, but is a positive evil. It throws the responsibility into the lap of an irresponsible body, who have merely made boiler explosions a game of speculation. His experience with these societies proves the remarks made by Mr. Jewison, coroner for the Leeds district, that it is "A system by which boiler owners are lulled into fancied security." He continues, that he would ask these societies how many explosions have taken place of boilers under their charge, and how many persons injured, which would have been prevented had there been a proper valve? how many fusible plugs they have found inoperative? and why that apparatus is recommended by one of the Manchester associations, and condemned by the other? and after the report made by the Franklin Institute, declaring its inefficiency, from experiments made. He would ask them why they recommend twice as many fittings to a boiler as is necessary? why they would have so many holes pierced in a boiler for the adoption of the various "philosophical toys" they recommend? He observes that the operative engineers of Oldham and neighborhood adopt a very different course to that pursued by the Manchester Association, which is by the formation of an institution, where lectures and information on matters relating to the steam engine and boiler are imparted to them, and they choose a large body of men of sufficient experience from their own society, who act as inspectors for their neighbors' boilers. The result has been, by this spirit of self-government and the adoption of proper fittings, that not one explosion has taken place—a very different result to that of these great companies, seemingly got up under more favorable auspices. The officialism of red tape and indifference, as well as the payment of useless salaries, is avoided, whilst the results are far more conducive to the interests of society. Some parties, however, adopt a different course to that pursued either by the Manchester Association or the engineers of Oldham, and which they say is preferable to any yet devised. The method is, by agreeing with a practical boiler maker to examine the boiler thoroughly, whenever called upon, at a fixed sum per boiler examination; and should he succeed in discovering any faulty place he is entrusted with the repairs. Mr. Hopkinson's conclusions are, that the only safeguard against boiler explosions is to be found in efficient self-acting mechanical contrivances, and declares that boiler explosions can be prevented from all causes except that of a boiler where it is too weak to withstand its ordinary working pressure; and he is prepared to attach to any boiler in London, or elsewhere, apparatus such as are in use upon the boilers at the Royal Arsenal, Woolwich, and upon the boilers of Messrs. John Brown & Co., armor-plate manufacturers, Sheffield, 42 in number, and 33 at Messrs. Crossley & Co., Halifax, and the whole of Messrs. Naylor, Vickers & Co.'s boilers, Sheffield; in fact, to 4000 boilers in this and other countries; and he offers £200 to any person who can demonstrate the possibility of exploding a boiler from over-pressure of steam, or deficiency of water, if the boiler be fitted with this patent compound safety-valve, the warnings of which, if disregarded, put a stop to the working of the engine, and render boiler explosions impossible; and what is still of great importance, its action can be stopped only by again supplying the water to the boiler.—*London Mining Journal.*

In 1860 petroleum oil was unknown in France; in 1861, 40 casks were sent there as a curiosity; in 1862, 3,994 casks were sent there as an experiment; in 1863, the demand there brought 29,197 casks, and this year, so far, 56,672 casks have been sent to Marseilles.

Mining Summary.

CALIFORNIA.

In Siskiyou, says the *Journal*, the miners in various localities are making much preparation for winter. Huge piles of drift dirt have been taken out, and the miners are still continuing to keep up the pay dirt.

Nevada.—The Virginia *Union* of the 15th instant is informed by Mr. F. S. Picking, direct from the Excelsior district, in the extreme eastern portion of Nevada county, that the Excelsior company located in that district are yielding very rich ore, some of which will yield from $6,000 to $10,000 to the ton. These mines have recently been opened—are situated upon the summit of the Sierra Nevada Mountains, near the boundary line between California and Nevada—and in the vicinity there is an abundance of wood and water for mining purposes. Although the winters are severe in that region, the company have laid in their stores for the season, and expect to prosecute work upon the mines without interruption. In the spring, it is contemplated to erect several mills. Those interested in the enterprise think they have got "a good thing," and it looks that way now.

The Nevada *Transcript* of Nov. 16th, says that the claim of John Hickey, at Moore's Flat, is paying weekly from $3,000 to $8,000. This claim is one of the best in Nevada county, and has been paying big dividends for several years past, and the prospect is, it will take a good many years more to exhaust it.

The *Union*, of Grass Valley, says of the "King Bee Ledge," the supposed northerly extension of the French lead, that it has now been followed about forty feet below the surface and shows better and better all the way down. There are distinct walls, foot and back. It is about eleven feet thick, of well defined quartz. Gold is seen in it, and all the tests indicate paying rock. The lucky owners are in high glee, and are making preparations to raise a large amount of rock for crushing.

Plumas.—The Quincy *Union* has the following:—"Some time since the Spanish Peak Gold and Silver Mining Company filed articles of incorporation. The company was formed for the purpose of prospecting and mining near Spanish Peak, in this county. The company has been at work sinking a shaft for some time past, and struck pay dirt a few days since. The company feel certain that they have found some of the richest mining ground in the country. Hundreds of claims have been staked off on both sides of the company's ground. We have no doubt but that it will prove to be one of the most extensive mining localities in this State.

Cummings & Co's claim at Dutch Hill is paying hugely. The company took out one hundred ounces of gold for one week's work, a short time since. The claim has averaged over fifty ounces per week for the last month. Morris & Co's claim on the North Fork is paying an ounce per day to the hand.

We learn that Firmstone & Co., who have been at work for some time past sinking a shaft on the flat, about one mile north of Spanish Ranch, have found gravel which prospects as high as one dollar to the pan.

Bidwell & Co's mill (11 stamps) at Greenville recently cleaned up one hundred and ninety ounces of gold, for a run of thirty-six hours. The rock crushed was taken from the McClellan ledge.

Cummings & Co., at Dutch Hill, took out $300 for last week's work. They found one piece of pure gold which weighed seventeen and three-fourths ounces; and several other "chunks" weighing from one to four ounces. Julius & Co's claim is paying about one ounce per day to the hand. The dirt is "toted" in a hand cart one quarter of a mile, and then washed in a "rocker."

Six hundred and fifty-one Foreign Mining Licenses were sold in this county last month.

The owners of the Drury quartz ledge, near Greenville, have sunk a shaft upon their ledge to the depth of seventy feet, and find that the quartz prospects better the deeper they go. They are now taking out rock which compares favorably with the quartz taken from the McClellan ledge, and will pay as high as $2,500 to the ton.

A. B. Harvey has been appointed Superintendent of the Buckeye quartz mills, near Greenville, vice L. G. Traugh, Esq.

Messrs. Byers & Co's quartz mill, at Jamison Creek, will commence running next week.

WASHOE.

The improved prospects of the mines in Virginia and Silver cities, heretofore noticed, still continue. The dark cloud of litigation and reckless speculation is fast passing away, and in spite of the cases of unfortunate and injudicious operators the mines of Virginia will soon regain a sure and substantial footing. Important developments are almost daily reported all along the line of the Comstock lead, and despite the occasional growl about dull times, and depression in the stock market, we still look for an early season of renewed prosperity. Sales of stock are already beginning to be more frequent. The water in the Ophir and Central are fast disappearing, and much interest is felt as to the developments that will be found when the workmen can once more reach the point in the former mine, from whence they were so unceremoniously driven by the late influx of water. All are hopeful, and the owners of the Central, White & Murphy and California are watching the progress of matters in that locality closely.

The Burning Moscow Company have recently struck some very rich rock, containing black sulphurets of extraordinary richness. Specimens are obtained worth almost their weight in silver—silver wire is also found. These specimens were taken out of a large deposit, such as are frequently found in the Comstock lode. The superintendent has sent two tons of the ore to San Francisco, for reduction or as samples of what the mine yields. The title to this mine is still in litigation, consequently its stock remains at a comparatively low figure in the stock board.

The Best & Belcher are still drifting, and with increased prospects of finding good ore. The Ophir mill is working about 100 tons of ore per day, and the superintendent claims that he will take out at least $75 per foot for the present month. It is to be hoped that the Directors may be able to save enough out of this amount to declare a dividend on the first of December.

The Savage is constantly improving. The ore in the bottom of the 100 foot shaft of the Gould & Curry looks well. The Yellow Jacket bids fair to become one of the most valuable mines on this range. The Imperial never looked better than now. They will soon be able to run their 54-stamp mill on the Carson. The Empire has struck another body of good ore.

REESE RIVER.

The quartz miners of Reese River are making extensive preparations for the winter's work, in getting tunnel timber ready, etc. The tunnels are now affording a large supply of water, and a stream is almost constantly flowing down Cedar ravine. Many other mines in that vicinity will be sunk upon below the water level this winter, which will largely increase the supply, and will be sufficient, if pipes are laid, to run all the mills in the canon. We condense the following from the Reese River *Reveille*:—

Extensive improvements are being made to the Buel North Star Company's works. This is now considered one of the best claims in Reese River. It is under the superintendency of Mr. John Kurtz. The Eureka Mill is constantly engaged in crushing rock from this mine, which is said to average fully $800 to the ton. Three tons of rock was recently crushed from the Ethan Allen claim with a yield of $350 to the ton. The shaft is now down 120 feet. Twenty-five tons are all ready and are probably crushed by this time. They expect soon to be able to take out as much rock as will keep up a constant supply for one mill.

The Hubbard ledge, a recent location, is now being worked with vigor. Three tons of ore recently worked, yielded $1.800. The company will soon be able to raise a large amount of rock.

Mr. Booth, and two others recently located a claim on Central Hill, some of the surface ore has yielded as high as $2,000 to the ton. The owners are first-class miners and intend to prosecute the work of development with energy.

The Diana ledge is now worked as a first-class ledge. The mine is under the superintendency of David E. Buel, an energetic and persevering miner, who is prosecuting the work of development in a most satisfactory manner.

The machinery for the Midas mill, in Telegraph Canon, is fast arriving upon the ground. Three wagon loads arrived on the 8th instant.

The Foster ledge, situated on Central Hill, is now worked with renewed vigor. A. H. Wilson the superintendent, manages the affairs of the company judiciously. They had some rock worked a few weeks since which yielded at the rate of $1,000 a ton, another lot is about ready for crushing.

Brown, Newell & Baker have just erected a two-stamp horse mill in the Third Ward. They have purchased one of Salmon's new amalgamating tubs, which is now in operation in connection with the mill. It has been demonstrated beyond a doubt that these miniature mills are paying concerns, and that they assist materially in prospecting claims and developing the country, and one of the best features connected with them is that they are not in the hands of mere adventurers, but permanent citizens and old and experienced miners and millmen. They enable persons owning mines to have small quantities of ore worked and know whether it will pay to have several tons worked at a large mill or not.

Another roasting furnace is being put up in Central Ravine, by Mr. Moses Wilson, who will connect with it a two-stamp horse mill. It is designed more particularly for prospecting work.

The Union Mill commenced running their new roasting furnaces a few days since. They were found to work most satisfactorily. The old five-stamp battery in the California mill has been taken out for the purpose of giving place to the new ten-stamp battery that the proprietors are now having built.

From Washington District favorable accounts are received. Several companies are at work with very encouraging prospects. Señor Alvarez & Co., are working the St. Helena lode, and are taking out an abundance of very rich argentiferous galena. This will be reduced in a smelting furnace, which is now in course of construction. It will be a blast furnace, with a blast furnished by a steam engine, all of which is now in place. There are now over fifty men employed and the establisment will soon be in operation. Important results are anticipated from this furnace and mine. Hirshberger & Co.'s mill has been running quite steadily of late, crushing rock for the New Hope Company with very favorable results.

From Eureka District we also have favorable reports. Quite a number of new lodes have been discovered that promise exceedingly well. About eight hundred pounds of surface rock from the Eureka lode were brought in and worked at the Clifton Mill, producing upwards of $90 per ton. The facilities afforded by abundant wood, and water power, with fine agricultural land in the neighborhood, give assurance that this district will at no distant day be one of great importance among the many of Nevada.

Speculative Effect of Siroccos from the Sahara upon the Alps.—Sir Charles Lyell, at a recent scientific meeting in England, declared that the greater part of the African Sahara has at no very distinct geological period been beneath the ocean, and the high coast of Barbary so insulated from the body of the continent, and probably in unbroken connection with Spain, Sicily and South Italy; and he illustrated his theory by explaining the the probable effect on the climate of Europe of the elevation of this vast sandy plain. The hot sirocco, he said, which, when it blows, now melts so rapidly the snows on the Appenines and Alps as to cause the most dangerous floods, and to exhibit a visible rise in the snow line even in Switzerland from day to day, attains this great heat from the burning tropical sand of the Sahara over which it passes. At the time when this Sahara was still beneath the sea, this wind would have been charged with the ocean's moisture instead of with dry heat, and on striking the Alps would have been driven up by its comparative warmth and lightness to the higher regions of the atmosphere, where it would have deposited its moisture in the form of snow, and instead of melting the glaciers have greatly increased them. This alone, Sir Charles thought, might have been sufficient to account for the Alps having been in this glacial periods as much as 2,000 feet, or, according to Carpentier, 3,000 feet higher than they are now.

The Worlds and Systems Beyond.

Astronomers tell us that the sun is 520 times larger than all the planetary globes which revolve around him, and 1,300,000 larger than our own globe. Such is the power of this luminary, that the planet Herschel is held in its orbit, lighted, and warmed by his brilliancy at the distance of 1,800,000,000 of miles from his surface. Besides the sun and the planets which revolve around him, there belong to the the same system, comets, the purpose of which is apparently inconceivable. Their magnitude and rapidity of motion are equally so. They, too, are nevertheless known to insignificant mortals to move with exact precision. One of them is, by human agency, known to be 11,200,000,000 of miles from the sun at its greatest distance, and to move at the rate of 880,000 miles in one hour, when nearest to him. The tail of the comet which appeared in 1680, was computed by Sir Isaac Newton to be 80,000,000 of miles in length.

Magnificent and glorious as the solar system may be, what is it in magnitude and distance when compared with all the numberless worlds and systems beyond it? In every clear night, the naked eye may discover nearly a thousand fixed stars, which are supposed to be such luminaries as the sun, and have their attendant planets, as we know our sun to have, it would comprise a mass of matter equal to 1,320,000,000 of globes of the size of our earth. The assistance which the human eye has obtained in extending its view into the works of Nature by artificial means, discloses to us the certainty that orbs exist at such a distance from us, that a cannon ball moving at the rate of 480 miles an hour, would require 9,000,000 of years to pass from some of them to the earth. The sun is computed to be 95,000,000 of miles from the earth; yet, in eight minutes and a quarter the light reaches the earth from that luminary. What must be the magnitude of luminous bodies, which are seen with the help of glasses at such a distance, that it would require some years for light to come from them to the earth?

It is said by some modern astronomers, that stars are seen at such a distance, that light must have left them four hundred years before it strikes our earth. Beyond all that is now known to us to exist, their may be still other systems, all of them in motion, and inhabited, it may be, by intelligent beings. Where shall the imagination fix the boundary of creation? From whatever point on the surface of our sphere the eye is directed towards the firmament, worlds on worlds, systems on systems are disclosed. Are we in the center of the universe? Are we in some remote extremity of the universe? What is the centre, what is extremity of the universe? If there be a center, if there be limits to the works of Nature, what is there beyond them, and who and what exist where Nature does not exist and reign?

But if we are astonished at the magnitude and distance of these luminaries, how much more so must we be, when we try to think of them collectively and in motion? We know that, like the substances on the earth they are held by the law of gravitation, and we know what strength it requires to move a weight of a few hundred pounds. If we could suppose our comparatively small earth to be a perfectly smooth ball on a plane, it is believed that it would require a mechanical force which no human mind can compute to give it any motion. Yet we know it moves at the rate of 68,000 miles in every hour revolving as it flies, yet so easily and surely, that we have no perception of its motion. The planet Mercury moves at the rate of 1750 miles in a single minute—a motion which may be measured by supposing a ball to pass from America to Europe in one minute and three quarters, or around our earth in seventeen minutes.—*Boston Investigator.*

General Hooker has added an aphorism to literature, which will probably live longer than his military fame. In his late orders to subordinates he announces that "No one will consider the duties of the day as ended until the duties it brings have been discharged."

Denmark, it is said, having been unfortunate in her warfare for the preservation of the Duchies, is desirous of disposing to our Government her possessions in the West Indies. They consist of three islands—St. Croix, St. Thomas and St. John.

Force of Imagination.—It is related that a man died in France, not long since, from the force of imagination. He imagined that he had been poisoned by arsenic, and died as if he had in reality been poisoned. Not a trace of poison of any kind could be found in his stomach after death.

Gen. Sully's expedition, besides doing a good deal of hard marching and severely punishing the Indians, has demonstrated the practicability of steamboating on the Yellowstone, surveyed an unexplored country, and found immense resources of heavy beds of coal lying exposed in every direction.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Nov. 26th, 1864.

The condition of the money market is substantially unchanged. The demand from the brokers and others upon good stocks is readily supplied at from ½ to 2 ℔ cent: per month. The recent transfer of more than one-half million dollars from New York to this city, growing out of the sale of some 12,000 shares State Telegraph stock to Eastern parties, is not without some influence upon the market.

Capitalists in the East continue to send funds hither for investment, and a number of orders were received recently for the purchase of some prominent mining shares at current rates. The uncertainty attending fiscal matters at home, arising from redundant paper issues, and the constant fluctuations in gold, will, it is believed, induce many parties to transfer capital to these shores, where the rates of interest are so much more attractive, and where the currency of the country has a permanent and and stable valne, and is liable to no change.

Receipts of treasure from the interior since Saturday last have been uncommonly large, and amount to some $2,000,000. Gold bars are lower than for some time past, and are selling at about 830. Silver may he quoted at from ½ to 2 ℔ cent. premium for selected bars.

The stock market has exhibited a fair degree of animation this week, although transactions in leading shares have heen somewhat limited. Stocks of less certain value have been subjected to the usual fluctuations, but were largely dealt in.

Legal Tender Notes advanced to 49½c, then sold at 46½c (flat), 30 and closed at 47½c bid, 48c asked. $11,000 were sold at this range.

City stocks have heen comparatively steady, hut inactive. California Steam Navigation is firm at 73½ bid ; San Fraucisco Gas Co. was offered at $78 ; Spring Valley Water Works is in more favor, and hut rarely offered, owing, it is said, to the flattering prospects of the company.

California State Bonds are inquired for at $76 ; San Francisco 6's of 58 at 61, and 7's at 70 ; Sacramento county Bonds, 6's, are in request at 42½, and Marysville 10's at 60.

Savage was sold at $1,800 to the extent of 8 feet. Few or no transactions have taken place in this stock recently. Nearly every portion of the claim seems to he improving, and some favorable indications were met with this week in runuing toward the line of the Hale & Norcross. Receipts of hullion for the current month are likely to exceed $200,000, and the regular dividend of $75 per foot will he declared.

Gould & Curry has been in more favor, and 31 feet were sold, advancing from $1,510 to $1,640, declining to $1,550, seller 30, and $1,530 cash, and sold yesterday at $1.600, buyer 30, and $1,550 cash. The prospects of this company are thought to he more flattering. Above the fourth level, recent developments disclose a large body of good ore, and in drifting from the lower shaft the appearance of the vein is said to he more satisfactory. An increased dividend is talked of for the current month, but nothing has transpired in this respect as yet.

Chollar has heen well maintained, 11½ feet changing hands within a range of $1,030 and $1,050, and closing at $1,075 asked. The hoisting power of this company has heen materially improved, and is now thought to be very efficient. The lode in the south miue has heen developed a distance of 150 feet, and proves to be from 20 to 30 feet in width throughout the entire length, carrying good pay ore, averaging about $50 per ton. At present the vein is some 25 feet wide on the sourthern end and is said to look well. A prospecting shaft sunk from the 4th to 5th level in the *north* mine has disclosed some fine pay metal during the past few days. The company have about 300,000 feet of timber on hand.

Yellow Jacket was sold at $950@$925, and was held yesterday at $920. Constant employment is now given to four and five mills, and the net yield for the month will materially diminish the liabilities of the company. Washoe advices speak favorably of the future productiveness of this claim.

Potosi was dealt in at $800@$825 and closes at $825 bid. A favorable decision is anticipated from Judge Mesick, referee, in the suits of this company with the Bajazet.

Belcher is inactive hut well maintained at $750 asked. Arrangements have been made to commence hoisting ore again from this mine. Crown Point is also dull hut held with some firmness at about $750. Empire Mill & Mining Co. fell from $545@$550 to $525 per share. A dividend of $25 per share is likely to he made for the month of November.

Hale & Norcross opened at $530, buyer 30, fell to $400, rose to $475, buyer 30, and closing at $450, at which rates 23 feet were sold. No material change has taken place in the mine during the week.

Ophir has heen in better request and 32 feet changed hands, advancing steadily $410 to $475 and selling yesterday at $440.

Uncle Sam was active yesterday, and 54 feet were sold at from $210 to $195. Overman is weak at about $90 asked ; an assessment of $50 was levied on the 19th inst.

Nevada, J. G., has been very actively dealt in and 725 shares were sold, advancing from $50 to $70, buyer 30, declining to $45, then rising to $65, receding to $50 and rallying to $55.

Bullion rose to $170, fell to $160, advanced yesterday morning to $180 and then declined to $155, seller 30, and closed at $168. Some 250 shares were sold.

Imperial is in less favor and has fallen from $144 to $137½, within which range 60 shares were sold. Burning Moscow is still a feature of the market and 2812 shares have changed hands, advancing from $49 to $60, receding to $50, rising to $59, dropping to $48, rallying to $60 @$62, buyer 30, and closing at ahout $60.

Wide West has been dealt in to the extent of 440 shares, advancing from $14 to $16. An assessment of $5 was levied this week. Sheba declined from $40 to $16, rose to $25, fell to $18, seller 30, and closed at $18. An assessment of some $20 per foot is talked of.

Caledonia Tunnel was sold at from $12 to $18, and is now firmly held at $19. Sierra Nevada brought $50 ; Bermuda, $5 ; Baltic, $29 ; Daney, $22½.

The aggregate sales of stocks since Saturday last amonnt to $427,127.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct.	U. S. Treasury	1864	
Legal Tender Notes	47	48					
California State Bonds, 7s, 1857	76	78	3,620,500			1867	
San Francisco Bonds, 10s, 1851		100	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		100	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	61	64	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	71	74	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds		40	1,416,000				
Sacramento County Bonds, 6s	43	50	440,000				
Marysville Bonds, 10s	70	75					
Stockton City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	200,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ℔ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	—	77	2,500	$1,000		2 ℔ et. ℔ month on capital stock.	Dividend of 3 ℔ et. paid Oct. 15.
State Telegraph Co	—	40	25,000	100		$1 ℔ share quarterly	
San Francisco Gas Co	—	78	20,000	100		1 ℔ et. ℔ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ℔ ct. ℔ annum on capital stock	
San Francisco City Water Works	47½	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	—	—	3,000	1,000	$450		Assmn't of $10 ℔ sh levied Nov. 4.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ℔ share ℔ month	
Sacramento Valley Railroad Co	20	30	8,000	100	$100		
Omnibus Railroad Co	106	—	10,000	100	41 ℔ cent.—$41	½ ℔ ct. ℔ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ℔ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ℔ cent,—$38		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ℔ cent ℔ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co	—	—	20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	118	—	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ℔ cent ℔ month	Surplus fund $75,374.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ℔ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ℔ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	$100		1½ ℔ cent ℔ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	600			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co		20	4.000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ℔ ct. ℔ month on capital stock	39th dividend paid.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, November 19.

30 shs Wide West at 14 per share.
5 shs Justis at 52½ per share.
1 sh Justis at 60 per share.
10 shs Justis at 55 per share.
10 shs Justis at 56 per share,
6 shs Justis at 59 per share.
10 shs Justis at 60 per share.
25 shs Justice at 60 per share, s 30.
10 shs Justis at 65 per share.
10 shs Justis at 63 per share, s 30.
10 shs Justis at 63 per share, b 30.
40 shs Justis at 70 per share, b 30.
10 shs Bullion, G. H., at 165 per share.
12 shs Ophir at 410 per foot.
60 shs Ophir at 410 per foot, s 30.
12 shs Ophir at 415 per foot.
4 shs Gould & Curry at 1510 per foot.
20 shs Gould & Curry at 1520 per foot.
1 sh Yellow Jacket at 950 per foot.
30 shs State Telegraph at 40 per cent.
10 shs Burning Moscow at 49 per share, s 30.
20 shs Burning Moscow at 50 per share, s 30.
30 shs Burning Moscow at 52 per share.
10 shs Burning Moscow at 52½ per share.
152 shs Burning Moscow at 53 per share.
90 shs Burning Moscow at 54 per share, r w.
70 shs Burning Moscow at 53 per share, r w.
70 shs Burning Moscow at 54 per share.
80 shs Burning Moscow at 55 per share.
3 shs Burning Moscow at 55 per share, s 10.
10 shs Burning Moscow at 56 per share.
20 shs Burning Moscow at 58 per share, b 30.
30 shs Burning Moscow at 60 per share, b 30.
$ 2,000 Legal Tender Notes at 49½ per cent.
$ 2,000 Legal Tender Notes at 49½ per cent, r w.

AFTERNOON SESSION.

4 shs Hale & Norcross at 530 per foot, b 30.
16 shs Gould & Curry at 1550 per foot.
8 shs Gould & Curry at 1580 per foot, b 30.
8 shs Imperial at 144 per share.
16 shs Sheba at 40 per foot.
30 shs Burnside at 4¼ per share.
35 shs Burnside at 5 per share.
6 shs Sierra Nevada at 50 per share.
25 shs Justis at 45 per share.
15 shs Justis at 45½ per share.
55 shs Justis at 50 per share.
5 shs Justis at 60 per share.
11 shs Burning Moscow at 50 per share, s 30.
10 shs Burning Moscow at 52½ per share.
50 shs Burning Moscow at 53 per share.
10 shs Burning Moscow at 53 per share, s 10.
60 shs Burning Moscow at 54 per share.
40 shs Burning Moscow at 54½ per share.
70 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 55 per share, r w.
10 shs Baltic at 29 per share.
30 shs Wide West at 14 per share.
25 shs Wide West at 14½ per share.
Amount of sales.....$91,992 00

Monday, November 21.

8 shs Gould & Curry at 1550 per foot.
4 shs Gould & Curry at 1600 per foot.
4 shs Gould & Curry at 1600 per foot.
60 shs Ophir at 430 per foot, b 30.
8 shares Chollar at 1050 per foot.
6 shs Chollar at 1030 per foot.
20 shs Sheba at 40 per foot.
20 shs Sheba at 38 per foot.
6 shs Sheba at 33 per foot, r w.
40 shs Sheba at 37 per foot.
60 shs Daney at 22½ per foot.
10 shs Caledonia Tunnel at 12 per share.
110 shs Caledonia Tunnel at 14 per share.
110 shs Caledonia Tunnel at 16 per share.
10 shs Caledonia Tunnel at 15 per share, r w.
60 shs Caledonia Tunnel at 16 per share, b 30.
5 shs Baltic at 28 per share.
30 shs Nevada, J. G. at 50 per share.
20 shs Lady Bryan at 2¼ per share.
23 shs Lady Bryan, 2 per share, s 30.
6 shs Bullion, G. H., at 170 per share.
10 shs Bullion, G. H., at 166 per share, s 10.
60 shs Mount Davidson at 2 per share.
32 shs Burning Moscow at 59 per share.
110 shs Burning Moscow at 59 per share, r w.
20 shs Burning Moscow at 50 per share, s 30.
30 shs Burning Moscow at 49½ per share, a 30.
30 shs Burning Moscow at 67½ per share.
17 shs Burning Moscow at 67½ per share, r w.
10 shs Burning Moscow at 56 per share, s 5.
10 shs Burning Moscow at 57 per share, r w.
20 shs Burning Moscow at 55½ per share, a 5.
10 shs Burning Moscow at 55 per share, a 5.
5 shs Burning Moscow at 54 per share, a 10.
$ 5,000 Legal Tender Notes at 46 per cent, Dec 15.

AFTERNOON SESSION.

12 shs Ophir at 435 per foot.
60 shs Ophir at 440 per foot, s 30.
6 shs Hale & Norcross at 450 per foot.
10 shs Nevada, J. G. at 69 per share.
91 shs Nevada, J. G. at 55 per share.
20 shs Nevada, J. G. at 50 per share, b 30.
20 shs Nevada, J. G., at 56 per share.
15 shs Nevada, J. G. at 57½ per share.
10 shs Nevada, J. G. at 65 per foot, b 30.
165 shs Wide West at 14 per share.
30 shs Wide West at 14 per share, s 30.
10 shs Imperial, 143 per share.
10 shs Caledonia Tunnel at 15 per share.
13 shs Burning Moscow at 56½ per share.
80 shs Burning Moscow at 57 per share.
100 shs Burning Moscow at 57 per share, r w.
20 shs Burning Moscow at 56 per share.
30 shs Burning Moscow at 56 per share.
10 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 50 per share, s 30.
10 shs Burning Moscow at 55 per share, r w.
Amount of sales.....$ 77,850 00

Tuesday, November 22.

12 shs Ophir at 460 per foot.
36 shs Ophir at 465 per foot.
48 shs Ophir at 470 per foot, s 30.
4 shs Potosi at 800 per foot.
20 shs Chollar at 1040 per foot.
8 shs Chollar at 1050 per foot, r w.
10 shs Sheba at 37 per foot.
30 shs Sheba at 35 per foot.
30 shs Sheba at 32½ per foot.

20 shs Sheba at 32½ per foot, b 5.
10 shs Nevada, J. G., at 59 per share r w.
105 shs Nevada, J. G., at 60 per share.
30 shs Nevada J. G., at 55 per share, s 30.
10 shs Nevada, J. G., at 58 per share, r w.
20 shs Nevada, J. G. at 59 per share.
5 shs Nevada J. G., at 61 per share, r w.
10 shs Bajazet & Golden Era at 25 per share.
10 shs Caledonia Tunnel at 15 per share.
10 shs Caledonia Tunnel at 14¾ per share.
30 shs Wide West at 14 per share.
1 sh Empire M. & M. Co. at 550 per share, b 15.
50 shs Mount Davidson at 2 per share.
10 shs Burnside at 5 per share.
30 shs Burning Moscow at 52½ per share.
10 shs Burning Moscow at 51 per share.
20 shs Burning Moscow at 50 per share, r w
10 shs Burning Moscow at 51 per share.
140 shs Burning Moscow at 49 per share.
25 shs Burning Moscow at 40 per share, r w.
20 shs Burning Moscow at 48 per share.
95 shs Burning Moscow at 48½ per share.
75 shs Buonlng Moscow at 49¾ per share.
10 shs Burning Moscow at 49½ per share.
40 shs Burning Moscow at 48 per share, s 10.
10 shs Burning Moscow at 52 per share, b 30.
10 shs Burning Moscow at 51 per shares, b 10.

AFTERNOON SESSION.

2 shs Halo & Norcross at 470 per foot.
4 shs Gould & Curry at 1640 per fhot.
4 shs Gould & Curry at 1550 per foot, s 30.
36 shs Ophir at 475 per foot.
50 shs Sheba at 39 per foot.
10 shs Sheba at 32½ per foot, b 30.
10 shs Sheba at 27½ per foot.
10 shs Bajazet & Golden Era at 20 per share, b 10.
10 shs Bajazet and Golden Era at 15 per share.
20 shs Imperial at 143 per share.
1 sh Empire Mill & Mining at 545 per share.
5 shs Nevada, J. G., at 57 per share.
30 shs Barning Moscow at 51½ per share.
20 shs Burning Moscow at 52½ per share.
90 shs Burning Moscow at 62 per share.
10 shs Burning Moscow at 51 per sharo, s 10.
10 shs Barning Moscow at 52 per share, r w.
Amount of sales.....$73,310 00

Wednesday, November 23.

24 shs Ophir at 470 per foot.
72 shs Ophir at 450 per foot, s 40.
1 sh Yellow Jacket at 925 per foot.
1 sh Yellow Jacket at 925 per foot, r w.
12 shs Gould & Curry at 1550 per foot.
8 shs Gould & Curry at 1560 per foot, b 30.
4 shs Gould & Curry at 1575 per foot, b 30.
4 shs Gould & Curry at 1550 per foot, r w.
4 shs Halo & Norcross at 475 per toot, b 30.
15 shs Sheba at 20 per foot.
5 shs Sheba at 21 per foot.
20 shs Sheba at 19 per foot.
10 shs Sheba at 18 per foot.
20 shs Sheba at 18 per foot, r w.
20 shs Sheba at 17½ per foot, r w.
5 shs Sheba at 16½ per foot, r w.
10 shs Wide West at 15 per share.
50 shs Wide West at 14½ per share.
20 shs Wide West at 15 per share, 30 ds.
30 shs Wide West at 14 par share, s 30.
29¾ shs Nevada, J. G., at 56¾ per share.
10 shs Nevada, J. G., at 57 per share, 10 ds.
20 shs Nevada, J. G., at 59 per share, b 30.
5 shs Nevada, J. G., at 55 per share.
10 shs Nevada, J. G., at 56 per sbare, 10 ds.
10 shs Milton at 16 per share.
10 shs Bajazet & Golden Era at 10 per sharo.
10 shs Bajazett & Golden Era at 6 per sharo.
10 shs Bajazet and Golden Era at 5 per share.
10 shs Bullion, G. H., at 165 per share, r w.
10 shs Bullion, G. H., at 162½ per share, r w.
10 shs Bullion, G H., 160 per share.
2 shs Imperial at 140 per sharo.
5 shs Imperial at 139 per share.
10 shs Baltic at 25 per share.
160 shs Burning Moscow at 51 per share.
20 shs Burning Moscow at 52 per shara.
80 shs Burning Moscow at 51½ per share.
10 shs Burning Moscow at 51 per share, r w.
30 shs Burning Moscow at 52 per share, r w.

AFTERNOON SESSION.

1 sh Savage at 1800 per foot, b 10.
2 shs Halo & Norcross at 440 per foot.
10 shs Halo & Norcross at 440 per foot, s 30.
8 shs Gould & Curry at 1530 per foot, r w.
40 shs Shebu at 22½ per foot.
40 shs Sheba at 20 per foot, s 30.
20 shs Sheba at 24 per foot.
10 shs Sheba at 25 per foot.
20 shs Sheba at 24½ per foot.
10 shs Wide West at 16 per share.
10 shs Wide West at 15 per shure, s 10.
12 shs Bullion, G. H., at 160 per share.
20 shs Bullion, G. H., at 163 per share.
10 shs Bullion, G. H., at 165 per share, b 5.
10 shs Imperial at 142 per share, b 30.
35 shs Lady Bryan at 1½ per shara.
5 shs Nevada, J. G., at 50 per share.
60 shs Caledonia Tunnel at 15 per share.
10 shs Caledonia Tunnel, at 17¾ per share.
26 shs Burnside at 5½ per share.
10 shs Burning Moscow at 52 per share.
20 shs Burning Moscow at 52½ per shara.
10 shs Burning Moscow at 53 per shara.
Amount al sales.....$70,077 00

Friday, November 25.

7 shs Savage at 1800 per foot.
10 shs Hale & Norcross at 450 per foot.
36 shs Ophir at 440 per foot.
4 shs Gould & Curry at 1590 per fnot, b 30.
4 shs Gould & Curry at 1600 per foot, b 30.
4 shs Gould & Curry at 1550 per foot.
4 shs Gould & Curry at 1555 per foot.
60 shs Dancy al 22½ per foot.
4 shs Uncle Sam at 210 per foot, b 15.
10 shs Uncle Sam at 200 per foot, s 30.
10 shs Uucle Sam at 200 per share.
5 shs Uncle Sam at 210 per foot, 30 ds.
85 shs Sheba at 25@26 per foot.
70 shs Sheba at 25@15 per foot, s 30,
60 shs Sheba at 20@21 per foot, b 30.
97 shs Bullion, G. H., at 170@180 per share.
40 shs Bullion, G. H., at 175@165 per share, b 30.
20 shs Caledonia Tunnel at 18 per shara.
100 shs Table Mountain Copper at 2 per share.
25 shs Nevada, J. G., at 55 per share.
80 shs Lady Bryan at 1½ per sharo.
5 shs Imperial at 136 per share.
220 shs Burning Moscow at 50 per share.
60 shs Burning Moscow at 59@58 per share, s 10.
10 shs Burning Moscow at 60 per share, 10 d.
10 shs Burning Moscow at 62½ per share, b 30.

AFTERNOON SESSION.

17 shs Bullion, G. H., at 168 per share.
15 shs Nevada, J. G., at 55 per share.
10 shs Uncle Sam at 200 per share.
10 shs Uncle Sam at 195 per foot, s 30.
20 shs Caledonia Tunnel at 17 per share.
2 shs Hale & Norcross at 450 per foot.
3 shs Empire M. & M. Co. at 525 per share.
1 sh Potosi at 825 per foot.
10 shs Burning Moscow at 60 per share.
45 shs Burning Moscow at 60 per share, s 10.
5 shs Burning Moscow at 62 per share.
65 shs Burning Moscow at 55 per share, s 30.
20 shs Burning Moscow at 55 per share, b 30.
40 shs Burning Moscow at 55 per share, s 30.
15 shs Burning Moscow at 62 per share.
30 shs Burning Moscow at 65 per share, b 30.
30 shs Burning Moscow at 63 per share.
20 shs Burning Moscow at 56 per share.
17 shs Burning Moscow at 62 per share.
20 shs Burning Moscow at 60 per shara, s 10.
60 shs Sheba at 22 per foot, b 30.
10 shs Sheba at 19½ per foot, s 30.
130 shs Sheba at 21 per share, b 30.
20 shs Sheba at 20 per share.
60 shs Sheba at 18 per share, s 30.
Amount of sales.....$113,808 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month'ly divid'd Pd ft.	Recent Assessments Per foot.	Total Ass'ts Pd ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00	....	Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	28 00	30 00	....	July 23, $0; Oct. 12, $10.	45 00
Bajazett and Golden Era	4,000	1	4,000	300 00	6 00	—	....	July 30, $5. Aug, 3, $5.	38 25
Best & Belcher	224	4	896	500 00	200 00	800 00	....	May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	60 00	62 00	....	Jan 19, $15; June 24 $5.	50 34
Burnside	2,800	1	2,800	500 00	—	5 00	....	Feb 10, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	—	750 00	.... $24		
Buckeye	3,000	....	2,800	100 00	2 00	3 00	....	Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	200 00	160 00	165 00	....	Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	800 00	—	—	....	July 12, $150 00	
Central	150	12	1,800	300 00	—	600 00	....	Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	8 00	10 00	....	May 25, $3; July 12, $1½	19 50
Crown Point	600	4	2,400	1,000 00	725 00	750 00	....		100 00
Chas. Caney	1,800	1	1,800	30 00	—	15 00	....	Nov 30, $5; Mar 10, $3.	25 00
Chollar	1,400	4	5,600	800 00	1,040 00	1,090 00	....	Jan 25, $60; Apr 15, $50.	320 00
Dancy	2,000	4	8,000	60 00	21 00	23 00	....	Sept 15, $10; Nov 7, $8.	00 00
Desert	2,200	1	2,200	100 00	—	—	....	Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—	....	Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	16	1,200	833 00	540 00	550 00	.... $25		
Gould & Curry	1,200	4	4,800	500 00	1,550 00	1,675 00	.... $50		
Grass Valley	4,200	1	4,200	500 00	—	30 00	....	Dec 17, $3½; Mar 29, $10.	100 00
Hale & Norcross	400	2	800	500 00	450 00	460 00	....	July 18, $50; Sept. 13, $50.	425 00
Imperial	184	....	4,000	500 00	136 00	137 00	....$7.50	Dec 22, $12 50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	—	12 00	....	Nov 18, $1; July 10, $6.	27 00
Lady Bryan	5,000	1	6,000	100 00	1 00	2 00	....	July 19, $3; Nov. 1, $5.	23 25
Lucerne	1,800	1	1,800	500 00	—	—	....	Nov 27, $3; Feb 10, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00	....	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	16 00	17 00	....	Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	55 00	60 00	....	July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00	....	Aug 6, $12½; Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	—	—	....	Mar 23, $20; Sept 2 $2.	
North Ophir	1,600	1	1,600	500 00	—	—	....	Nov 11, $1; Mar 25, $6.	
Norton	1,000	1	1,600	50 00	—	8 00	....	Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	430 00	440 00	.... $48		
Overman	1 200	1	1,200	500 00	50 00	90 00	....	July 7, $20; Nov. 19, $50.	
Potosi	1,400	2	2,800	500 00	825 00	850 00	....	Dec 9, $50.	62 00
Porter	600	1	600	500 00	—	30 00	....	Jan 12, $5.	10 00
Prida of the West	1,400	1	1,400	100 00	5 00	6 00	.... $5	Oct, Nov, Dec 16, $0.	0 00
Savage	800	1	800	2,000 00	1,800 00	1,850 00	.... $75		135 00
Sacramento & Meredith	3,000	4	14,400	125 00	—	—	....	Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	176 00	....	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	45 00	48 00	....	Mar 8, $5; May 16, $10.	05 00
Spanish No. 2	1,600	1	1,600	500 00	—	10 00	....	Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	200 00	210 00	....	Nov 2, $30, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	—	—	....	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	50 00	....	June 17, $30; Oct 6, $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	900 00	925 00	....	July 21, $30; Aug 4, $110.	260

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	60 00	—	....	Feb 19, $25; Sept 14, $25.	152 50
Bamboo	600	1	600	500 00	—	—	....	Sept 18, $5; Juna 20, $2.	21 50
Esmoralda	1,600	1	1,000	1,000 00	—	8 00	....		12 25
Falls of the Clyde	9,000	1	6,000	100 00	—	—	....	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	—	12 00	.... $5		
Nevada	600	2	1,200	250 00	—	—	....	Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	22 00	23 00	....	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00	....		8 25
Ural	400	1	400	500 00	—	—	....	Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	5 00	....	Jan 5, $3; Sept 20, $12½.	19 00
Wide West	2,600	1	2,600	500 00	10 00	17 00	....	May 25, $5; Nov 21, $5.	90 00

COSO DISTRICT.

Coso	26,000	....	3,600	600 00	—	—	....	Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	—	—	....	July 31, 50c; Nov 19, $1.	13 00
San Carlos	....	....	2,600	100 00	—	—	....	Apr 14, $1½; Juna 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—	....	Sept 9, $2; Jan 5, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,080	100 00	—	20 00	....	July 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	50 00	55 00	....	Mar 10, $10; Aug 12, $20	02 35

REESE RIVER DISTRICT.

Amador	1,400	....	....	....	—	—	....	May 3, $5; Juae 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—	....	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—	....		
Oregon	800	2	1,600	300 00	—	20 00	....		1 00
Union No. 2	1,000	1	1,000	500 00	—	—	....	Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	—	—	....	Juna 25, $5; Nov 16, $10.	26 00
Willow	2,800	....	1,400	200 00	—	—	....	Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—	....		
North Star	1,000	1	1,000	500 00	—	50 00	....	Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—	....		1 50
Diana	1,200	1	1,200	500 00	—	—	....		1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—	....		2 00
Joe Lane	1,000	1	1,000	500 00	—	—	....	Jan 18, 50c.	1 50
Honest Minar	1,400	1	1,400	1,000 00	—	—	....	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00	....	Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—	....	Feb 10, $30; Aug 23, $10.	150 00
Srade Guadelupe	3,600	1	3,000	1,000 00	—	—	....		9 00
San Marcial	13,200	1	13,200	100 00	—	25 00	....		
San Nicholas	1,200	1	1,200	200 00	—	—	....	Sept 10, $2.	

MISCELLANEOUS.

Blua Ledge	7,800	1	7,800	50 00	—	3 00	....	Jun 16, $1½; Oct 5, $1½	
Fellows	2,500	1	2,500	100 00	—	—	....		
Melones	3,000	1	3,000	50 00	6 00	9 00	....	June 30, $2½; Oct 27, 2½	
Napoleon	2,700	1	2,700	600 00	—	80 60	....	Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,865	200 00	—	25 00	....	June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.	Oct. 10th.	Oct. 20th.	Nov. 1st.	Nov. 10th.
Gould & Curry.....per ft.	$3,000	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300	$1,380	$1,610	$1,650	$1,335
Ophir	1,200	825	920	850	720	720	750	425	450	500	490	460	500	525	455	415	435	
Savage	1,800	1,600	1,800	1,525	1,250	1,150	1,100	750	1,300	1,500	1,300	1,280	1,225	1,400	1,800	1,850	1,950	1,800
Potosi	900	850	850	950	1,000	900	1,000	925	875	900	890	800	690	720	790	750	850	825
Chollar	650	500	575	515	375	425	300	300	325	475	550	650	560	560	880	950	1,000	1,000
Hale & Norcross	523	500	425	350	475	350	....	310	....	300	480	425	240	360	350	465	490	1,000
Sheba	10	60	90	80	75	70	50	40	25	20	30	95	75	70	67	65	62	63
Dancy	....	60	60	....	....	60	50	45	30	35	....	35	30	....	20	....	27	23	20
Wide West	22	20	15	12	10	8	7	20	17	15	20	31	27	35	28	26	28	23
Burning Moscow	55	52	45	40	23	15	13	12	15	13	20	10	27	60	62	72	57	40
Pride of the West	18	8	10	5	6	5	....	....	2	....	2	....	2	8	5	7	7	8
Bullion	70	68	65	70	65	50	50	40	30	....	....	40	40	55	80	110	145	155
Real del Monte	48	40	41	32	23	15	12	11	15	18	14	15	19	35	26	25	24	25
El Dorado	....	....	....	....	....	....	10	8	10	12	5	....	....	....	....	....	....	....
Overman	....	....	200	200	250	200	....	250	225	....	150	175	160	....	185	165	165	130
Sierra Nevada	55	....	....	....	....	20	15	16	15	....	10	22	20	42	60	42	50	45
Yellow Jacket	750	750	950	900	850	700	600	450	400	450	375	400	575	600	725	800	970	950
White & Murphy	....	....	....	....	....	....	300	....	....	....	....	....	....	....	25	30	....	40
Sides	....	....	....	....	....	....	200	....	....	175	....	....	....	....	20	....	....	....
Uncle Sam	700	650	700	510	....	400	350	250	190	210	200	200	....	200	350	210	190	150
Baltic	65	75	70	55	45	40	22	16	13	13	16	24	23	23	30	31	20	18
North American	110	122	120	90	65	62	54	30	....	25	25	25	130	25	55	40	....	40
Baltimore American	47	35	....	50	40	42	35	30	32	20	20	15	25	....	25	26	....	....
Melones	15	20	15	....	12	10	12	9	13	17	13	13	....	....	13	12	....	8
Antelope	147	....	125	130	100	65	70	50	....	....	14	12	20	15	30	45	65	100
Napoleon	75	70	80	76	70	65	60	45	....	60	60	....	....	....	75	....	70	....
Sacramento	50	50	45	....	....	....	20	....	....	....	....	....	....	....	....	....	....	....
Utah	....	....	28	26	30	18	15	18	15	....	....	....	5	....	5	6	6	....
Lady Bryan	35	23	32	25	25	10	4	5	4	6	5	7	6	9	5	5	3	3
Imperial	....	....	....	....	....	....	....	....	....	....	....	....	....	....	146	151	155	148

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 00 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amouut of purchase or sale.

FRANK LAWTON, Secretary.

J. B. E. CAVALLIER, Preaident.

Mechanical.

LINSEED OIL FOR TOOLS, ETC.

Mechanic's will find the use of linseed (painters) oil a great advantage when fully applied to all the wooden portions of their tools. Every farmer should also keep a can of this oil constantly at hand, and whenever a new tool is purchased saturate it thoroughly with the oil by placing it inside of the can, or applying it freely with a brush. The wood, by this treatment, is toughened and strengthened, rendered almost entirely impervious to water, and of course but little liable to swelling and shrinking. Shovel, rake, fork, hammer and axe handles, are thereby preserved from cracking or checking. The wood becomes smooth as glass by use when oiled. The oil should be applied warm, and, when practicable, so hot as to destroy a brush, but not burn the wood. The wood, before being oiled should be thoroughly dried. A practical man, who has used this oil for a specific purpose has communicated his experience to a cotemporary as follows :

"I ironed a wagon some years ago, for my own use, and before putting on the tires I filled the felloes with linseed oil ; and the tires have worn out and were never loose. I ironed a buggy for my own use seven years ago, and the tires are now as tight as when put on. My method of filling the felloes with oil is this : I use a long cast-iron oil heater, made for the purpose ; the oil is brought to a boiling heat, the wheel is placed on a stick, so as to hang in the oil, each felly an hour, for common sized ones. The timber should be dry, as green timber will not take oil. Care should be taken that the oil be not made hotter than a boiling heat, in order that the timber be not burnt. Timber filled with oil is not susceptible to water, and the timber is much more durable. I was amused some years ago when I told a blacksmith how to keep the tires tight on wheels, by his telling me that it was a profitable business to tighten tires, and the wagon maker will say it is profitable to him to make and repair wheels—but what will the farmer, who supports the wheelwright and smith, say ?"

Axe and hammer handles often break off where the wood enters the iron. The oiling is said to toughen the wood so as in a great measure to secure durability in this particular. We should be pleased to hear from mechanics and others, who may have already or may hereafter make use of oil in this way, as to their experience in its use.

IMPROVED LADIES' BELT BUCKLE.—Messrs. Lemme Brothers, manufacturing jewelers, No. 534 Commercial street, in this city, are now manufacturing an improved ladies' belt buckle, the improvement in which consists in the convenience of the arrangement for fastening. The buckle is made in the form of a plate or shield, divided through its center and held together by a hinge. All that the wearer has to do to unlock the buckle is to raise one-half the shield or plate, when the belt is readily disengaged from the tongue, or teeth, and removed from the buckle. This buckle may be made quite as ornamental and durable as from any other pattern.

Applications for letters patent for each of the three inventions last above mentioned have been made through the Patent Agency connected with this office.

IMPROVED CHIMNEY TOP.—Mr. Aaron Harris, of this city, has made application for letters patent for his newly-invented chimney top, for increasing the draft of chimneys. This improvement was exhibited at the late Mechanics' Fair, and was used during the Exhibition upon the top of the smoke-stack attached to the steam engine which drove the machinery at the Pavilion. When that engine was first put up, it was found almost impossible to get up a sufficient draft for the furnaces, in consequence of the eddies produced in the atmosphere by the broad expanse and high elevation of the Pavilion. Resort in the emergency was had to this ventilator, or improved chimney top, after which no trouble was experienced from insufficiency of draft.

IN the shop of the Ames' scabbard manufactory, at Chicopee, three grindstones, weighing from five thousand to six thousand pounds each, are used up every month.

Affairs at the Patent Office.

A Washington correspondent of the *American Artisan*, writing under date of October 13th, says : I need not inform you that business at the Patent Office is steadily increasing, for this fact is evident from a perusal of the list of claims for new inventions, which you furnish in your valuable paper every week. The visionary ideas which formerly appeared upon the patent record have given place to more practical and useful improvements upon existing machinery, with a view to render it more simple, and better adapted to the desired end. This appears to be a new era which inventors have opened, with the intention of revising, modifying, and re-arranging the multiplicity of complicated machines which they have previously invented and introduced. As a proof of this statement there are a great many applications for re-issues of existing patents, made by patentees or their assignees, who find that the original patents are too limited in their scope to give that full protection which the inventions and state of the art require.

The old and vexed question of dividing an application for a patent, where it appertains to separate devices, or elements, has again crept into the Patent Office and gives a great deal of trouble ; but this time there is not that uniformity of opinion upon the subject which the examiners formerly held. Some of the examiners are very strict in requiring the division of applications for patents, while others are not so much so ; hence it is necessary to exercise considerable judgment in presenting an invention before those who are tenacious in their adherence to an ancient and " fogy " rule. This rule should be opposed as a matter of right and justice to inventors. No person will question the validity of Letters-Patent on the ground that the claim covers two or more separate devices, ideas or elements, if they all tend to the accomplishment of one given end ; and no one will deny the right of a patentee to entertain damages in a suit for infringement of one or more parts of his machine, when said parts form the subject of separate claims, or clauses of a claim. " Shall I be compelled to so prepare my claim of invention as to limit its force in accordance with rules adopted to increase the revenue of the Patent Office ?" The justice, or legality of requiring separate fees for distinct or disconnected subjects is not questioned ; but to make an inventor divide a single subject into two or more applications, and then require of him full fees for each application, was never contemplated by our legislators, and is very unjust to that class of persons who are maintaining the Patent Office in this city, and contributing so largely to the success and prosperity of our country.

A VALUABLE WASHING MACHINE IMPROVEMENT.—G. M. Stamp, of Marysville, has invented and applied a novel improvement to the washing machine, which consists of a small sheet-iron furnace, attached to the bottom of the machine, by means of which the water can be heated in the machine itself, and kept constantly at the desired temperature. The improvement has been applied particularly to the Dashaway washing machine, but is equally applicable to any machine with a zinc bottom. Of course the fire or iron of the furnace must not be allowed to come in direct contact with the zinc. A patent has been applied for.

THE oldest steamer on the Clyde took part in a late festive occasion on that river. On the 17th of August last, one of the partners of the Glasgow and Greenock Towing Company married, and on that occasion all the boats in the harbor were gaily dressed. The steamer Industry, which has now entered the 50th year of her age, carried the flag of the Commodore, being the oldest steamer afloat. The Industry was built in 1814, and was the third steamer built on the Clyde.

WIRE-CUTTING MACHINE.—Mr. L. W. Jobanning, of this city, has invented a machine for the purpose of cutting wire into uniform lengths, which must be of great convenience to tinners and others who have much of that kind of work to do. The platform of the machine is in the shape of a quadrant, and the cutting blades are conveniently arranged for rapid working, and so adjusted as to secure an exact length of the pieces.

A RUNAWAY LOCOMOTIVE.—A locomotive got loose on the Brighton (England) road, not long since, tore along fearfully, made a clean hole through a station house, carried away a tailor's shop, part of a house, an entire wall, and at last brought up against a wall substantial enough to arrest its progress.

Improved Mode of preparing Flax for Spinning.

One of the principal reasons of the great superiority of cotton over flax has been the great facility with which its short fiber could be spun as compared with the long fiber of flax. Many attempts have been made to reduce the flax to short fiber, but the great difficulty has been to render the ends taper and pointed, so that they would close into the yarn, in spinning. Mr. Charles Beach, of Penn Yan, N. Y., has invented and taken measures to patent new machinery by which he claims to have overcome the difficulty, and brought the fiber to a condition for spinning it by the machinery used for cotton and wool. His machines consist of what he calls a " separator " and a " reducer." We will give a condensed account of their operation as he describes it in a letter to us.

The separator is composed principally of two horizontal shafts, carrying a series of saws arranged at distances apart corresponding with the length of staple required, and adjustable to suit different lengths. This machine takes the flax straw just as it comes from the field, without rotting, and separates the fiber by breaking it into proper lengths, leaving the ends pointed, so that in spinning a smooth yarn may be produced. The straw having been subjected to this machine resembles hay or straw cut for cattle or horses, and is ready to be thrown into the machine called the " reducer," for the purpose of extracting the shives and reducing the fiber to an even fineness. It is then placed in a washing-machine and washed with warm water, which has the effect to dissolve the gluten and silicia. It is next steamed in a steam-vat for thirty minutes, after which it is washed again ; and it is then ready for drying, which is done by passing it through a machine with hollow cylinders, heated by steam being thrown into them, and producing heat sufficient to dry the lint as it passes through. The lint is then ready for bailing for market.—*American Artisan.*

PNEUMATIC ELEVATOR FOR MINE SHAFTS—ROPES AND HAULING MACHINERY SUPERSEDED. —With a view entirely to obviate the inconvenience and danger resulting from the breakage of ropes and chains, Messrs. Allison & Shaw propose an invention for dispensing with them altogether, and employing in their place an apparatus somewhat similar in form to that introduced by the Pneumatic Dispatch Company, but which is worked by pressure instead of exhaustion. The inventors state that, in their improved elevators, which are equally applicable for raising either water or minerals from collieries and mines, a cylinder or tube is placed in the shaft, which rises a few feet above the top of the shaft, and reaches a few feet below the bottom of the mine. This cylinder is made of malleable or cast-iron, or other suitable metal or material, and of a diameter according to the weight of minerals, water, or other substances to be lifted. In this cylinder or tube a double-headed piston works, and between the two heads of the piston a fixed or movable receiver, or barrel, or wagon, is placed, which holds the mineral or water to be raised. An air-pump, worked by a steam engine or water-wheel, or other power, is used for forcing air down the shaft in a tube, which air passes into the cylinder below the under piston-head. Forcing only may be used, but exhausting and forcing may be used in conjunction. When the load is put in at the bottom, a valve is opened, so that the air is introduced under the piston, which, with its load, then rises to the top. On arriving at the top the load is removed, and on an escape-valve at the bottom being opened, the piston descends, and the air which escapes ventilates the mine. This improved ventilator not only acts as an elevator and ventilator, but provides a safe and expeditious mode of conveying workmen up and down the shaft.—*London Mining Journal.*

AMERICAN INVENTORS.—The Brussels carpets of England are woven on looms invented by an American and bought of him. Bigelow, an American, went to England to study carpet weaving in the English looms, but England's jealousy would not allow him the opportunity. He took a piece of carpeting and unraveled it, thread by thread, and then combined, calculated and invented the machinery on which the best carpets of Europe and America are woven.

THE NEW ENGLAND RAILROADS.—It is stated on good authority that, although the various New England railroads will show an increase of gross earnings for the year 1864, still the cost of locomotives, cars, the government tax, etc., will make the net result about the same as in 1863. A first class locomotive now costs $25,000, against $8,000 before the war.

HIGH minds, like high hills, are barren, but valleys are productive, and so are humble souls.

The Gold Mines of the State of Sonora.

Sonora scarcely deserves, at present, to be called a gold-producing State, for the amount of that metal exported is very small ; but the yield was at one time, and may again be, considerable. The placers are in the north, where the Apaches are numerous, water scarce, and the white population very sparse, so that the miner cannot work without great danger, and cannot obtain supplies without great expense. The earliest known placer was at Cieneguilla, sixty miles N. N. W. of Hermosillo. The discovery was made in 1779, by some soldiers on their way to garrison the fort at Altar. One of them, going to a brook near the camp, saw something glitter in the water. He picked it up and it was a lump of gold. The whole camp was soon engaged in mining, and extending their search, they found rich diggings two or three leagues further west. There are no statistics of the yield, but the total amount must have reached many millions in the course of the twenty-four years that the placer was regularly worked. The largest nugget taken out was worth $2,500, and the second $1,500. The former was sent as a present to the King of Spain. In October, 1824, at a point twenty miles east of Cieneguilla, the placer of San Francisco was discovered by Don Teodoro Salazar, who, while on his way to another mine, was compelled to halt to arrange his packs, and while stopping he took up some of the earth in his hand and discovered particles of gold in it. Within a year there were twenty thousand souls at San Francisco, and for six years it continued to be a thriving town ; but in 1810 the gold yield decreased greatly, and soon the placer was deserted by all save a few gleaners or *gambusinos*. The largest nugget found at San Francisco was worth $2,800. The diggings were in no place more than twelve feet deep, and the ordinary depth was two to four feet. There were months in which the yield was $300,000, and Velasco, who has written the best book on Sonora, and who was the second political officer at the placer of San Francisco in its best days, says that in his opinion the total annual yield was more than $4,000,000. There were numerous veins of auriferous quartz in the vicinity, and some of them were very rich. Neither San Francisco nor Cieneguilla had any water within twenty miles, and the entire supply was brought in kegs on mule back, and a keg full was sold for half a dollar or a dollar, according to the season and the supply. The placers of San Francisco were abandoned in 1837, when those of Quitovac were found in the northwestern corner of Sonora. The time will come when the placers of San Francisco will again be worked; and if a large and permanent supply of water can be obtained by ditches of pipes—and Velasco implies that it can be done—the gold yield would be greater than ever. The richest mining district of California, within a circumferenee of twenty-five miles which was the area of the San Francisco mines, never could have been made to yield a million of dollars annually by dry-washing, or the rocker ; and those diggings which paid by the rude modes of working known in this State in 1849, have all paid twice as much for the sluicing and the hydraulic washing of later years.

Quitovac, San Antonio, Sonoita, Basura, San Perfecto, Palomas, Alamo, Muerto, Vado Seco, Baeuachi, Aigame, Sohia, and other placers of Sonora, are now neglected because either of want of water or fear of the Apaches. The savages will be destroyed, and the water will be obtained. The expense and the delay in the construction of the canals may be great, but the work will be done. The evidence of the original richness of the earth, and of the present abundance of undisturbed auriferous gravel is conclusive in the mind of every one who goes to the trouble of reading Velasco, and conversing with intelligent residents of the country.—*Alta.*

THE heir apparent of Russia, the future master of a realm of more than seven millions of square miles—an empire comprising one-seventh of the territorial part of the globe, and about one twenty-sixth part of its entire surface—is in want of a wife, and cannot find one. Grand Duke Nicholas, heir apparent of all the Russias, twenty-one years old, tall, good looking, in splendid uniform, speaking five languages, and with all the accomplishments, is willing to wed, yet cannot get a wife. Only five candidates have presented themselves, and of these he doesn't like three of them, and his father does not like the other two. So here he is, poor fellow, and can't get a wife ; and cold weather is coming.

THE value of real estate in England is estimated at $32,000,000 ; in the United States, $16,000,000. The public debt of England is over $2,400,000,000. The public debt of the United States is a trifle less than $2,000,000,000.

TRUTHFULNESS is a corner-stone in character, and if it be not firmly laid in youth there will ever after be a weak spot in the foundation.

Mining and Scientific Press.

W. B. EWER.....SENIOR EDITOR.

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It is Impossible for editors to know ALL the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Sellers Patent for inventors can secured in the United States and foreign countries through the MINING AND SCIENTIFIC PRESS PATENT AGENCY. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we still furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the MINING AND SCIENTIFIC PRESS, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Nov. 26, 1864.

EASTERN FINANCES.

In consequence of the non-arrival of the Overland Mail for a week past, we are without any later advices per mail from eastern markets. Our exchanges received by the steamer Constitution, concur in speaking of the improved condition of commercial affairs, and an active fall trade was anticipated. Jobbers in dry goods were doing a lively business and prices had advanced from 5@10 per cent. Cotton goods of all description were tending upwards, and it was thought that the supply would prove entirely too small for the demand the ensuing 30 days. Stocks of goods in the hands of commission houses and manufacturers would, it was believed, be all needed during the season. Woolen goods were especially active, and this demand was expected to increase as the cold weather approached. The consumption of woolen goods has largely increased throughout the whole country within the last three years. Flannels and knit woolen jackets have become of late staple articles and cassimers are supersediug cottonades. The theory that "cotton is king" is now an absurdity. Fabrics composed of wool or flax can be substituted for nearly all the cotton goods heretofore used and the process of change is going on steadily all over the loyal States. The increased demand for woolens that has sprung up since the commencement of the war and the production of so many styles expressly intended to take the place of cotton fabrics, is a clear demonstration of our position in this respect. We have learned to do without cotton, and its scarcity and high price just now is no material detriment to us.

OUR MINES.—Professor Silliman, having completed his survey of the different mining districts of Nevada, reports in very decided terms of the richness of the lodes and their permanent character. In speaking of the Comstock lode, the Professor remarked that the shafts sunk and tunnels run on the lode were but surface diggings to what we shall see in a few years, and that the lode shows no signs of giving out; on the contrary, it was capable of yielding much more than it is now doing. The Professor has also examined the gold mines of this State, and is satisfied that if judiciously worked they can be made to yield large returns to their owners.

THE FOREIGN MINERS' TAX.—The Foreign Miners' Tax Collector of Nevada county has declared his intention hereafter to enforce the tax against all foreign persons who have not declared their intention to become citizens, instead of confining it to the Chinese, as has heretofore been the rule. The consequence has been a sudden rush for papers of citizenship from persons who have heretofore had no idea of forswearing allegiance to their home government.

PAPERS in the Rockland (Maine) telegraph office were fired by lightning a short time since. The *Free Press* says it apparently ran along the wire like a ball of fire, and burst about twenty or thirty rods from the telegraph office.

THE COMO MINES.

We are indebted to Mr. Lewis Solomon, of Como, Lyon county, Nevada, for the following facts with regard to the progress of mining operations in and about that place. Mr. S. went East on the Golden Age, on business, but will shortly return to his mountain home in the Sierra Nevada. He is well acquainted with the mines about Como, and has the fullest confidence in their value and importance. Capital is all that is needed to open up in that locality one of the most valuable mining districts in silver land.

The town of Como is well laid out, occupies a very fine site, with an abundance of water and timber. The climate is unexceptionable for a mountain town, and the hills around are everywhere filled with promising veins of quartz. Professor Silliman has recently visited this locality, and we understand he has expressed himself as being highly pleased with the indications of the mines around Como, and pronounces it one of the best districts for the investment of capital that he has seen in the State.

The famous Whitman mine is one of the best known claims in the district. Mr. Solomon has made thirty-nine tests from the croppings of this lead, which have varied in their results from $ 1.87 to 3,130 per ton. The company is now selecting 100 tons of their best sulphuretted ore, which they will soon have crushed at the Sacramento mill. The claim is located eighteen miles from Virginia City, and three from Como. Among the other mines which are now in process of development, we may mention the Montgomery, which has a double shaft down 136 feet. The ledge is a very large one, containing much black sulphuret. Several tests were made by our informant of average ore, which indicated about $50 rock. The Lancaster has a shaft 70 feet deep, which has developed some fine looking ore. A lot of several sacks worked in this city yielded $60 to the ton.

The Rappahannock has been opened by an incline to the depth of 176 feet, which has developed a very promising lead, carrying a good show of sulphurets, several tests of which, made by our informant, yielded from $150 to $900 to the ton. The company is now putting down a perpendicular working shaft, divided into three compartments. This shaft is now down 104 feet.

The Orizaba, Nos. 1 & 2, is also exceedingly promising; so also is the Monte del Rey, upon which the workmen are now down 204 feet, with a perpendicular shaft. They have two ledges, one upon either side of the shaft, east and west for which they had commenced to drift before our informant left the mountains.

The Amazon Tunnel, three quarters of a mile from Como, is a heavy and important enterprise, designed for prospecting and drainage. The tunnel is designed to cut, test and drain a series of several of the best ledges in the district.

The Real del Monte is located in the heart of the town, and has produced some very fine ore, which has assayed as high as $1,000 to the ton. The Monte Christo, near by, is also rich and promising, so is the Palmyra, the Orient, the Fair Play and many others which might be named.

IRRIGATION.—The prospect of another dry winter is causing many ranchmen to turn their attention, seriously, to the necessity of irrigation. Large tracts of land in Colusa county will be irrigated by water, to be brought in from Sycamore slough, which is fed by the Sacramento river.

SENDING THEIR OIL EAST.—Many of the whale ships in port are sending their oil East by trans-shipment. The ship Prima Donna is loading for that purpose, and will take a full cargo for New York.

THERE are forty-five periodicals published in San Francisco—ten dailies, twenty-two weeklies, eight monthlies, one semi-weekly, one tri-weekly and two annuals. Three are German, three Spanish and two French.

SAN FRANCISCO MUNICIPAL REPORTS FOR 1864.—We have received a copy of the Municipal Reports of the city of San Francisco for 1863-64, which are comprised in an octavo volume of 361 pages. The volume contains the annual reports of the heads of the various departments of the city government together with a large amount of statistical and other valuable information in relation to the city and its government.

It appears that 966 suits have been commenced in the Fourth District Court and 345 in the Twelfth District. Of the 966 in the Fourth District, 82 have been discontinued, 200 adjudicated, and 684 are still pending. Attachments were issued in 213 cases.

The number of vessels engaged in the coast and bay trade is 531—an increase of 27 over the number of last year. Thirty-two of the number are steamers and 91 square-rigged vessels.

During the fiscal year, 6,491 deeds and 1,655 mortgages were recorded in the Recorder's office.

The expenses of the school department have been $228,411. Property to the amount of $3,351,217 is found in the city exempt from taxation, consisting of Federal, State, city, church and school property, etc.

The assessed valuation of property is: Personal property, $35,554,425; real estate, $43,135,307—making a total of $78,689,732.

The Harbor Master, in speaking of the water-front, says: "The front, at present, is in a shameful condition, and the sooner the finances will permit of something being done for its improvement, the more it will contribute to the saving of life and property, and the more, also, redound to the credit of the city and State."

EDITORS MINING AND SCIENTIFIC PRESS:—In your issue of November 19th I see an indignant communication from a Mr. G. K. Godfrey in regard to my opinion of the Pneblo district. I regret that our views should be so much at variance, but cannot but reiterate the opinion before expressed as to the apparent value of the district. Not having seen any of the gold-bearing rock, it is only fair to suppose that it must have been discovered since my visit. Although I only spent four days at Pneblo, still I was not idle. I saw all that I could, or at least enough of the character of the mountain. Mr. Godfrey should certainly be more familiar with the region than myself, but since he is the reputed owner of several thousand "feet," I leave it to yourself whether or not his opinion should not be taken "*cum grano salis.*" Very respectfully,

W. M. GABB.

THE LICK HOUSE.—In comparison with the conduct of all other California hotels, we must admit our admiration for this house. In the first place the foundations and structure of this building, reared under the rigid supervision of its famous author, is hardly equalled by any edifice in the State except the Masonic Temple. Like all true architecture our admiration for the structure increases with familiarity. Within, we find all its appointments complete, regular, quiet and elegantly homelike. There is no bombast in the conduct of the Lick House or its proprietors, and after once enjoying the excellency of their accommodations, you ever after meet Messrs. Alstrom & Johnson, at home or abroad, with peculiar pleasure.

VALUABLE ORE.—The Virginia *Enterprise* learns that Prof. Silliman was somewhat puzzled with some ore found in the vicinity of Como, Palmyra District. At first he pronounced the ore iron, but upon testing it found it unaccountably rich in silver. We believe he is now engaged in testing the various ores of the District preparatory to a formal report upon the mines of the district.

A LOCOMOTIVE has lately been patented in England which is designed to condense its steam when passing through tunnels. For this purpose it has a surface condenser over the cylinders, extending the whole length of the engine.

NATIVE POTASH.—A load of native potash was recently brought into Carson City, which was taken from an extensive bed of that material which has been found near the Sink of the Carson. It was taken to Duff & Co's Soap Factory. Small samples of the article had been previously brought in and tried, giving entire satisfaction. In other localities this article is the result of much labor and cost. In the above locality, however, it appears that the soap boiler has only to drive his team into the bed and shovel up a load. The same is the case with salt, saltpetre, alum, sulphur, and numerous other articles that might be mentioned, useful in the arts and trades. Thus far says the local paper almost every article, except coal, required for the reduction of our ores, is found in abundance within our own limits, or at least the material from which to manufacture it. Nature has certainly furnished our barren, unsightly land bountifully, and yet we have hardly looked into her resources. Future developments, we confidently believe, will show an abundance of coal; and possibly Nature may have provided, somewhere in our mountains, springs of nitre and sulphuric acid.

PLACER GOLD EXCITEMENT IN WASHOE.—Recent developments, it is said, render it quite certain that the entire flat on which Dayton is built contains a large amount of gold, and only needs the outlay of labor and a small amount of capital to make it available. Miners' meetings, says the Dayton *Sentinel*, have been held, a district organized, a code of laws adopted, a Recorder elected, and everything put in motion in such a manner as to bring to mind the flush times when ounce diggings were common. Six companies have their sluice boxes set and are now at work, but as no cleaning up has yet been done, we are not prepared to speak of the result. Lawyers, mechanics and others are locating claims all around on the flat on the north side of Main street, and several have made locations on Silver street. The Rose ditch supplies an abundance of water. The mines are near the mouth of Gold Cañon. Gold diggings have been worked for a number of years in the Cañon itself, and there is no reason why there should not be good pay found at the mouth of it, where the gold has washed down.

OPEN SESAME.—This mining company, says the Contra Costa *Gazette*, have just chosen a new set of trustees for the ensuing year. Mr. Parkell is the only member of the old board re-elected. With him, Mr. George Treat and Mr. Georgina, of San Francisco, were elected. From our own county, Capt. O. C. Coffin and T. A. Brown, Esq., were chosen, and Capt. Coffin was made President of the Board. Rev. Wm. B. May, formerly of Martinez, now a resident of San Francisco, was chosen Secretary in the place of R. O. Sturdivant. The present Board have made arrangements to have several tons of ore taken promptly to the city, and there thoroughly tested by parties who are prepared, if the result proves favorable, to put up a mill at the mine, and crush and reduce the ore at fixed prices for the company, or to sell the mill to the company, as may be preferred by the trustees. Success attend their efforts.

BRASS.—It is not the brazen metal so remarkably prominent as to become a characteristic feature in the countenance of the general California public, to which we propose now to call attention, but to the more important and desirable article—the genuine brass, as manufactured by Messrs. Gallagher & Weed, into bells, bibs, knobs and other useful articles and ornaments. Their factory is located at 125 First street, and our readers would be surprised, upon taking an inside peep, at the extent and importance this foundry of brass is assuming in our city. We are happy to add that Messrs. W. & G. are worthy of their proud success.

PROFANITY.—The *North American Review* argues that profanity indicates a chronic weakness of intellect and a poor education, for it requires no genius to swear, while it does require some learning and talent to converse in genteel language. Let the profaner take a note of this.

[Written for the Mining and Scientific Press.]

NEVADA CORRESPONDENCE.

Virginia City, Nov. 19th, 1864.

A WOMAN'S "SAY" ON THE ELECTION.

We, as a community, have had our "blow-out," our "big drunk," and our election. The great political cauldron, which has boiled, bubbled and spluttered at such a furious rate for some months past, is again quiescent; ear-splitting discords on "Rally Round the Flag" and "Marching Home" no longer delight us with their harmony; whisky is again "two hits" a drink, and we can no longer indulge in the luxury of a "free fight" without paying our compliments to the Recorder. But, dear me! what horrors haven't we passed through during the contest—a marriage and several old-fashioned christenings are nothing in comparison. I, individually, am somewhat of a politician; am strongly in favor of the Union (*a double entendre*), and at the beginning of the contest gave my aid, whenever and in whatever capacity I found it of service, to the Union cause. I petted, coaxed and scolded my stern acquaintance into voting for my candidate. I attended mass meetings, and sat for hours with a whisky-bloated individual and a black bottle on one side, and a phthisical Frenchman, whose breath was the essence of garlic, on the other, and listened with much patience (a virtue we women alone are supposed to possess, for we didn't stamp our feet a single time) to stupid harangues, which neither the audience nor the orator seemed to know the drift of, and violent denunciations of all humanity and "any other man" who didn't believe as the speaker did. I worked on badges and banners by lamp-light until my eyes were awful to look at; and, let me whisper, until I saw my beloved badges, in the preparation of which I had taken so much pride, decking the ears of a veritable donkey. I stood on balconies, exposed to the night air, and flaunted my best handkerchief into shreds, and smiled my sweetest until every fool and his brother had stared me into blushing, and I did without a new hat (my greatest sacrifice), that I might contribute the money thus saved to paying the whisky-bill of numberless zealous individuals. Indeed, I did not know that it would be put to any such use, or I assure you I would have secured the hat and let the party go to the—dickens. All of this I did do, and would have continued to do, had I not become aware that the gentlemen were perfectly oblivious to my little efforts, and, in fact, to the existence of the ladies; and to a being whose soul lived only in patriotic ardor, and was above the pithy prejudices and varieties of party, you may imagine the stunning effect of this discovery! I abdicated my crownless throne, thoroughly disgusted at the selfishness of man—political man in particular. I renounced my dreams of being a second Joan of Arc or a Member of Congress, and betook myself to the retirement of my quiet abode until the political storms should blow over.

But Floy is herself again, and I think our people are gradually settling down into their old routine of business; for Smith—I board with Smith's wife—came home last night as early as one o'clock, and without the usual impediment in his speech, caused, as he avers, by the night air, and he gave Mrs. Smith a civil answer this morning; and when I met Mr. Snooks—my beau—on the street, last evening, he actually *knew me*. Whisky dens and street corners are deserted, unless when the wires take a notion to give us a few additional items about the election, and at least a majority of our people seem to have something to do.

BENEFITS.

That the election has been beneficial to our community in some respects, I cannot deny. There is a visible decrease in the number of sharpers and gamblers to be seen on our streets, and the stages to *foreign* parts—Idaho and Allison Ranch—have been well patronized. A few more of the same sort of skedaddlers can yet be spared without bringing our citizens to grief. We are a much better dressed people, too. Toeless boots, rimless and weather-beaten hats and seedy clothes, are things of the past, and in a promenade on C street, high hats of the latest pattern, glossy clothes yet bearing marks of the tailor's goose, and polished boots with untarnished soles (belonging to the boots, not to the wearers) seem to be every man's property. I have noticed that many of my own sex sport new finery too, and were they not supposed to be "neutral" in politics, I would declare that the election had something to do with their change in apparel.

THE RESULT.

The result of our election has been a pleasant surprise to all Union-loving citizens, and with officers of character and ability, as Nevada now has, to rule over her destinies, she has prospects of a brilliant career before her. Your capitalists, as well as our mining population, have a deeper interest in our Judiciary than in any other of our State departments, for upon our Judges and their action on the bench depends, in a great degree, the future of our mines and of the immense capital invested in them. The State Constitution vests the judicial power in this county (Storey) in three District Judges, having extensive and concurrent jurisdiction, and provides that they shall enter upon their duties on the first Monday in December, and Court will be continued until the very large number of cases that have accumulated are disposed of. Theirs is no envious position; but I am glad to say that Messrs. Mesick, Rising and Burbank, our newly-elected District Judges, are acknowledged to be gentlemen of stern proclivity, irreproachable character and extensive legal ability, and will wear the ermine of office with credit to themselves and satisfaction to our law-abiding citizens.

HEALTH—SILVER ON THE BRAIN.

The general health of our city has been good, but I am sorry to say that symptoms of that peculiar and fatal malady, whose victims are legion—"silver on the brain"—are again visible in our midst, and numbers of eminent and highly respectable citizens have lately been seen upon our streets suffering under its strange hallucinations. To the unsophisticated, the symptoms of this dire disease are highly amusing; but ah! they have never beheld its ravages in all their dread reality. When I see its victims armed with eye-glass and hammer, and regardless of drooping spirits, wearied body and torn clothing, goaded onward by the insatiable fever over mountains, rocks and sage-brush, through crumbling tunnels and down dilapidated shafts, ever in search of a shadow; when I see them standing on the street-corners, with wild and frenzied looks, and with pockets weighed down with rocks, and even their hats filled with *debris*, expatiating to a wonder-struck crowd, and forcing friend and stranger to gaze through the mystic glass (ah! did people know the danger of gazing through that glass?) in search of the *ignis fatuus* of their muddled brain; when I see them running, breathless and excited, after gaudily-printed scraps of paper, with red stamps on the corners, and lavishing hoard, cigars, whisky, and even their wife's pin-money, to secure them; thinking, dreaming and talking incessantly of Lady Bryan, Mary Ann and Sweet Alice, without regard to their wife's jealousies, or caressing with fond affection the wildest of wild-cat, I feel the deepest recesses of my heart go out in sorrow and pity to them, and I cannot but think how great is man's credulity.

I think that were the first symptoms of this malady more generally understood, it might, with proper treatment, be restrained, or, at least, confined to the first victims; but from the culpable curiosity of many to witness its different phases, and thus are drawn within its contaminating circle, it is now spread throughout an entire community. Our city physician, Æsculapius Hardtimes, is laboring with deserved success to stop its further spread, and with a liberal appreciation of the miraculous Washoe drawing-plaster, known to the medical fraternity as "assessments," or its twin brother "litigation," to the part most affected—the *pocket*—the present victims will, we hope, soon be restored to health; but will they ever again roam our streets with the merry heart, happy smile, light step and careless mein of by-gone days?

MINING MATTERS.

Despite the general depression in business, prospecting and improvements on our mines have progressed with unchecked vigor, and, though the stringency of money matters and the inclement weather have caused a cessation of work on many of the myriad claims, mining prospects were never more flattering than at the present. Operations on many of the abandoned locations will not be renewed, and it is well, as it is beyond human expectation to find a return for investments made and money squandered in searching for mineral ledges in locations where any one with common judgement will know they do not exist. The capital which would go to prospecting these wild-cat locations will now seek investment in mines of established merit, and will bear fruit in increased treasure shipments. Though it had long been conceded that everything under the Washoe horizon large enough to stick a notice on was "taken up," we hear of new discoveries and new locations, some of them really possessing merit; new mills are going into operation, others are yet hastening to completion; the cloud of mining litigation which has paralyzed enterprise and improvement will soon be disposed of, and energy in prosecuting developments, and retrenchment in mill and mining expenditure, are the order of the day.

THE COMSTOCK.

On the Comstock new developments have established beyond cavil the existence of large deposits of the richest ore throughout its entire extent, and from what I beheld I venture to predict that the list of dividend paying mines will be largely increased during the present winter. Substantial improvements are being made on most of our leading mines which will facilitate the extraction of ore in increased quantities and on a more economical basis. The Chollar is one of our best managed and most promising mines, and when improvements in machinery, now being made, are completed, its present yield will be doubled. The Savage is taking out large quantities of rich rock, and the new hoisting house near the large shaft is fast approaching completion. The Potosi and Bajazet are both prepared to employ a large force in extracting ores, but are at present restrained by injunction. A few days will remove this barrier, and some five hundred miners, and a number of mills, now idle, will be immediately employed. The water which threatened to inundate the Ophir mine has been mastered, and the new shaft is progressing satisfactorily. But a short time will elapse ere this mine will again be a favorite with capitalists. The Gould & Curry does not look as favorable on lower levels as could be desired, but explorations are being pushed with vigor, with every prospect of meeting with success at an early day. In the meantime ore is being taken from the upper levels in considerable quantities, and work is vigorously prosecuted in the new shaft. The Hale & Norcross has again struck it, though not *sufficiently* rich to warrant such a jumping up in price as was witnessed on receipt of the glad tidings. The rock now being taken out is of poor quality; better, however, is in sight on a lower level.

It is rumored that the Sierra Nevada, Burning Moscow, Milton, Bullion and Caledonia Tunnel have all "struck it" rich; but I have not yet had time to visit them, and therefore cannot vouch for the correctness of the report.

Floy Favorite.

New Copper Company.—La Glorie Company filed a certificate of incorporation in the County Clerk's Office of San Francisco, on the 25th instant. The claim is located in Mariposa county. Capital stock, $600,000, divided into 6000 shares, of $100 each. The trustees are William H. Sharp, John T. McLean and J. Y. Jones.

The wife of the Postmaster of Simcoe, Canada West, has been fined $50 for taking a letter out of an unsealed envelope and reading it. That is paying pretty dear for the gratification of idle curiosity.

Hunt's Ditcher.—Mr. W. D. Hunt, of this city, has recently invented a Ditching Machine which is worked on quite a new plan, and for which a patent has been applied for. We understand that the machine has been examined by several mechanics, who have pronounced it quite practical. It is designed to be worked by three men and four horses, and will cut a ditch three feet deep and four feet wide, or less if desired. The running gear is similar to that of a wagon, with bind wheels seven feet in diameter, and front wheels four feet in diameter. The body rests on the carriage, and can be raised or lowered, by four screws, to suit the cutter to the action of the work to be done. The cutter is on a horizontal shaft in the ditch, and is rotated by gearing connected to an upright shaft with a pulley. On the pulley runs an endless chain connected with a capstan set about one hundred feet in advance of the machine. The horses work the capstan and communicate motion to the machine. The machine has an elevator connected to the main shaft with pulleys on which the elevator works to throw out the earth upon one side of the ditch. This machine is calculated to cut and clean from three to four hundred feet per day, and it may be taken from place to place as as readily as a wagon. For further particulars send to E. O. Hunt for circular. See advertisement in this paper.

Eds. Press:—In last week's communication there occurred a serious typographical error in the marvelous passage, "And darkness was upon the face of the deep." It read thus: "And darkness was upon the face of the earth." The misquotation not only destroyed the beauty and significance of the language but made it convey an untruth. For as yet there *was* no earth, the matter composing the bodies belonging to our universe was in its elementary or gasseous state. Primordial atoms filled a deep so profound that no eye but God's could penetrate its dark domain. When "the spirit of God moved upon the face of the waters" or when the chemical combination of the elements commenced, there was light and matter aggregated to form solid bodies. I will here state that the researches of Bunsen and Kinchhoff in spectrum analysis reveal the important truth that metals must be expanded into vapor, by heat before they will chemically combine with oxygen to produce light.

F. A. H.

Forhestown, Nov. 22, 1864.

Quick Work.—The Miners' Foundry some two weeks since received an order for a twelve stamp mill, to go to Mexico, with the request that, if possible, it should go down on the steamer of the 14th inst. The order was received and work commenced on Friday morning, the 11th inst., and on Sunday, the 13th, the mill was ready for delivery on board the steamer. The bed-plates, stamps, etc., had been cast and finished up, which, with a set of Wheeler pans and two separators, were placed on board of the steamer on Monday.

Mining Engineer.—We would call the attention of miners and mill men to the card of Mr. Sherman Day, in another column, who has recently established himself in this city. Mr. Day been for the past seven years superintendent of the New Almaden quicksilver mine, and as a mining engineer probably stands second to none on the Pacific Coast.

Rates of Fare.—The Steamer Constitution, which left for Panama on Wednesday last, took but a small complement of passengers. The rates of passage were:—Upper saloon, $278; first cabin, $187; second cabin, $133; steerage, $79. There was no opposition.

The Great Pan Controversy between Mr. Varney and Mr. Wheeler has been decided in favor of the latter (defendant). The case was argued in September last, and the decision is, we understand, quite voluminous.

A Chemist in Liverpool, who sold strychnine by mistake and killed a man, has been sued by the widow and compelled to pay her $7,500 damages.

HOME FINANCES.

The money market is without especial change, and on steamer day the requirement in bank for the usual settlements made was not regarded as at all pressing. Accomodations to merchants and others in good standing, if for legitimate business uses, are still extended at 1½ ₱ cent per month; 2 ₱ cent per month, however is charged by some bankers upon what is deemed first class collateral; and in the open market we learn of even higher rates. The fall trade thus far is lighter than was anticipated early in the season, but the condition of many portions of the interior is such that dealers are compelled to curtail business there, and to avoid giving the credit usually extended to some of their customers. This conservative policy is, in a measure, a necessity with them, for the reason that the same system is pursued here by jobbers and others with all country buyers.

The agricultural and placer mining interests of this state may, however, soon brighten; slight rains that have already fallen give token at least of some encouragement in this subject.

Receipts of gold and silver from the interior and north coast, since Saturday last, have been unusually large, and exceed two million dollars. About five hundred thousand dollars of this sum came from the Boise region and from British Columbia. The Branch Mint during the same period received nearly eight hundred thousand dollars for coinage.

The transfer of some $600,000 from New York to this city, growing out of the sale of 12,000 shares of State Telegraph Stock to Eastern parties, had a perceptable influence upon the bullion exchange markets on steamer day. Bullion was in little or no demand and gold bars brought less than they would realize in the mint. Eight hundred and thirty was the current rate. Silver sold at from 1½ ₱ cent discount to 2@2½ ₱ cent premium.

Exchange on the Atlantic cities for bills payable in currency were offered at 110 ₱ cent premium on gold. Telegraphic transfers were sold at 4 ₱ cent premium, and drafts payable in coin at 2½ ₱ cent. Legal tenders have been in good request during the week at from 46@47 ₱ cent and closing at 46½ ₱ cent.

For the Sanitary Fund.—Mr. R. B. Woodward, proprietor of the What Cheer House, in this city, has twice, within the past few days, opened his magnificent private grounds and residence on Mission street, between 13th and 14th streets, for the benefit of the Sanitary Fund. Tickets of admission were issued to visitors at fifty cents each. The last opening, on Thanksgiving evening, netted $103 for the fund. The grounds of Mr. Woodward are the most elegant and ornate on the Pacific coast. They are judiciously ornamented with statuary, and buildings enriched with selections of cabinet specimens from the numerous departments of the mineral and animal kingdoms. The whole forms a most complete museum of arts and sciences, as creditable to the genius and taste of the enterprising proprietor as is the holy and benevolent use he makes of them in the cause of humanity and his country.

The Blessed Rain, so long looked and prayed for has come at last, in right good earnest. The great black clouds commenced marshalling their battallions while the prayers of the people were ascending on Thanksgiving Day, and since that time they have been almost constantly pouring down of their abundance, in a manner seldom witnessed in this latitude. The rain is continuous, all over the state, and can scarcely fail to meet the most extravagant wants of both the miner and farmer. Let us be twice thankful.

To Correspondents.—We have received an interesting communication from Virginia City, but too late for insertion to-day. "Floy Favorite," another Virginia correspondent, appears again in our columns, to-day; her letter will be read with interest.

COMMITTEE REPORTS

Of the San Francisco Mechanics' Institute Industrial Exhibition of 1864.

[By authority of the Executive Committee for the management of the Fourth Industrial Exhibition of the Mechanics' Institute, we shall continue, under this heading, until completed, the publication of the Reports and Awards of the Examining Committees in the various departments of the Exhibition, as revised by the Managers in accord with the rules governing the distribution of awards. Where the reports have not been made in form prepared for publication abstracts or digests only will be given. The Managers desire it stated that, while articles originating and manufactured abroad contributed in a degree to the variety and interest of the exhibition, which in return afforded their merits opportunities of becoming widely known, to the advantage of those showing them, the enterprise was intended to be an exposition of the material and industrial resources of this State, and the adjacent Territories, to which the honorary awards must be limited. Believing, too, that the distribution of premiums of several grades among competitors has a greater tendency to produce jealousy and dissatisfaction than to encourage enterprise and efforts for excellence, the Executive Board has determined to allow no second, third, or other inferior grade of Premiums.]

Class XXXIV.

Horticultural, Botanical, Etc.

SUB-DIVISION—Fruit.

COMMITTEE:

O. C. Wheeler, A. Martin, J. D. Knapp.

Report:

The undersigned, appointed a committee to examine the fruits on exhibition, beg to submit the following brief notes:—

All the Fruits to which the attention of your committee was called by the Director in charge of that department were exhibited by ten gentlemen, and more than one-half of the whole by one of the ten. While the fruit show, as a whole, is by no means large in quantity, and is actually small in the number of participants, it is worthy of all praise in the self sacrificing spirit which induced it and the quality of its specimens. To illustrate: Mr. James R. Nickerson, of Placer county, who needed no addition to his reputation as a fruit-grower of the first-class, at an expense of hundreds of dollars, brought with him, a distance of nearly two hundred miles, an amount of fruit, of large money value in the market and in variety greater than any one man ever before exhibited in this State, arriving here in time to give the Fair the full benefit of his industry on the day originally advertised for its opening. The delay and postponement from time to time kept him here at large expense, and to the utter destruction of no inconsiderable portion of his best specimens. He nevertheless remained here until you were in the full glow of successful progress, and then went home to replenish his tables with fresh specimens from day to day, as those on exhibition failed, thus showing a devotion to the interest of the Exhibition perhaps never equalled on this coast. Other exhibitors during the Fair have done the same thing, though in smaller measure.

Mr. J. R. Nickerson, of Lincoln, Placer county, exhibits 223 varieties of Apples, generally well grown and fine specimens. From this large number of varieties, some 20 or 25 varieties might be selected which would be equal to the best, and would grace the finest market in the world, the whole year round—an assortment that would leave little to desire in this the "king of fruits." 103 varieties of Pears, to which the remarks apply with equal force. 85 varieties of Grapes. Among these your committee notice as large and handsome, the Palestine, White Muscat of Alexandria, Black Hamburg, Rein de Nice, Royal Muscadine, Fiber-Szhagas, Purple Damascus, Blue Malaga, and several others, which, though of small size, were exceedingly rich and well flavored. He also exhibits raisins of both last and this year's production, which promise, under favorable circumstances, to range high in the scale of excellence. Mr. Nickerson also exhibits 20 varieties of Peaches, 8 of Quinces, 5 of Figs, 4 of Plums, Pomegranates, English Walnuts and Paper-shell Almonds, to the superior excellence of the latter of which the attention of your committee was especially called, and to which they bear unqualified testimony. He also makes an exhibit of Dried Fruits, among which are Pears, Apples, Peaches, Plums, Cherries, Blackberries, Raspberries and Figs, which for beauty and excellence we have rarely seen equalled. Your committee was happy to learn from Mr. Nickerson that he had already decided to reduce very largely his number of varieties, and confine himself to the culture of a few of the best. No doubt many fruit growers in this State might profit largely by adopting a similar course. Mr. Nickerson is entitled to the Premium for the largest exhibit of fruit and the best dried fruits.

Mr. T. Delpoix, of Stockton, exhibits 14 varieties of Grapes, one bunch each, all very fine, and several of superior beauty and excellence.

Mr. Mark Forney, of San Jose, exhibits 39 varieties of Pears, of which several were finely grown, and 9 of Grapes, which, though not all fully matured, make a most creditable display.

Messrs. L. F. Sanderson & Co., of San Jose, occupy a table with 44 varieties of Pears, which, taken as a whole, are superior to any other pear exhibited in the Pavilion. Their Buerre Clarigeau is of such superior form and beauty as to constitute a marked feature in the room. Premium for best exhibit of pears.

J. C. White, of Sonoma, exhibits 60 varieties of Apples, generally well grown, and some of them decidedly fine. His Red Siberian Crabs are as good as we have ever seen.

Mr. Wm. O'Donnell, of San Jose, being one of the Directors, declines to compete, and yet few persons have added so largely to this department of the exhibition. His 26 varieties of Apples and 29 of Pears, and his Grapes, bottles of Wine, and Bouquets, and rare Potplants, Flowers and Evergreens, all from his nurseries, show that he has few peers in the State.

Mr. D. E. Hough, of Oakland, exhibits 113 varieties of Pears, all from his nursery, many of which are as strong witnesses of his own taste as any culturist need wish.

Mr. S. J. Barnwell, of Mountain Farm, Santa Clara county, exhibits a fine assortment of Grapes, and one variety of Plum—"Blue Imperatrice"—which was of superior quality.

Mr. M. R. Miller, of Pleasant Valley, Solano county, exhibits a box of Raisins from White Muscat Grape, of good quality, made this year.

Mr. B. N. Bugby, of Folsom, Sacramento county, exhibits two boxes of Raisins, made from the Fiber-Szhagos Grape, one in 1863, the other in 1864. [This grape is propagated under several different names, as "Hungarian Wine," "White Malaga," "Raisins," etc. The above name is true—its orthography being obtained from a native Hungarian gentleman and scholar familiar with the vineyards of that country, where the grape originated.] The latter is his better work. The raisins made last year were good, those this year far better, and as yet the best ever exhibited in the State. As Mr. Bugby intends to make a business of putting up raisins, a remark or two may not be wholly obtrusive: 1st. In this climate—that of our interior valleys and mountain slopes—the first danger is that the grapes will be "sun-burnt" on the vines, to a degree which, though scarcely visible, will interfere with the perfection of their maturity—the second, that they will "sun-scald" after being spread upon the drying-tables, to prevent which much turning over at the commencement of the drying will be necessary. 2d. In this country where there is such a morbid taste for large size in fruits [your committee is happy to note a most desirable reformation on this point now in progress], there is danger that the raisin-grower, in his desire to produce large clusters of raisins, will foster a too thickly set order of grapes, which will seriously interfere with the thorough curing of the interior berries, and thus militate against the quality of his crop. All educated visitors know that compactness or openness of clusters, in the same variety, depends largely upon the training and culture of the vine. No "bunch" of raisins look as well, or is intrinsically as good as an open, loose, fringy "stem" of raisins, of the same variety, and cured with the same care. Hence the variety of grapes which naturally assume this latter habit is, other things being equal, more desirable; and if it has not this habit pains must be taken by every producer who aspires to the highest excellence, to change the habit. The variety grown by Mr. Bugby has many excellencies. It "strikes root" from cuttings with great readiness, grows vigorously, fruits early, regularly and abundantly, is of fair sized berry, rich flavored (increased in the raisin), and its pulp, though not the most solid, as good that the shrinkage in drying is comparatively small. Yet it has the natural habit, and is very "set in its way," too, of clustering too thickly—i. e., it sets so much in a bunch as to require too much care and too much time to cure it properly, unless pains be taken to so cultivate and train the vine as to produce a change in this natural habit. The White Muscat of Alexandria is perhaps equal to the Fiber Szhagos in its propagating and growing qualities, while in the certainty of its crop, and possibly in its early bearing, it may not be equal, yet it is of finer berry, of more solid pulp (which loses less in drying), of equal flavor, and of so open, loose a growth as to be in this particular far the superior. These hints are thrown out as the result of long observation and some practical experience upon this subject as a specialty. We bid Mr. Bugby a most hearty God speed in his noble enterprise of stopping the importation of a quarter of a million dollars' worth of raisins annually on this coast. Mr. Bugby is entitled to a Premium for the best raisins.

Your committee are among those who have watched and worked in the fruit growing interest of this State from its beginning, and hence indulge another hint, viz: that fruit growers at once, and all the time, persistently and practically insist that, in fruit especially, quality and not size is the true test of excellence. And another, that there can never be attained the highest excellence in pomology without a careful study of the laws of adaptation—adaptation to soil, to climate, to season, and to circumstance. It is of no avail in our climate that experience authorizes the great pear-grower of New England, Hon. M. P. Wilder, to say that if he "must be confined to one variety of pear, it should be the Vicar of Winkfield." While his judgment is well founded there, it would be a gross burlesque here. The "Vicar of Winkfield" is a failure in California, not in size but in quality. Few men have grown it in this State without pecuniary loss; and after a trial of fourteen years, under every variety of advantage, if a fruit is still a failure, the whole community should discourage its farther propagation, especially when its place is more than filled by varieties far its superior in every quality that constitutes excellence. The above remarks apply with still more force (because it was never valuable except for the montrosity of its size) to the "Pound Pear." However large, they are no ornament to a fruit table in the eyes of any cultivated pomologist. While there may be many other suggestions of equal importance, these have impressed your committee as already "over due," and hence are made as a matter of duty, not of choice.

Your committee on Fruits beg leave to suggest that, in view of the great devotion to the interests of your Fair on the part of Mr. James R. Nickerson, of Placer county, and the large outlay to which he has voluntarily subjected himself, you, as a testimonial due to his enterprise, constitute him an Honorary Member of your body.

[The publication of these Reports will be concluded In our next.]

To Mining Secretaries.

We positively refuse hereafter to receive advertisements of any mining company for the payment of which the Secretary is unwilling to vouch. We shall also exercise the right to eject from our columns, at any time during the course of publication, any advertisement for which payment is not made, or security given upon proper notification.

DEWEY & CO.,
Publishers Mining and Scientific Press.

"STAND FROM UNDER."

On or about the 1st of January, 1865, we intend publishing a list of the Mining Companies which have long remained delinquent upon our books for advertising, together with the names of the Secretaries and Trustees, in cases where ample reasons for non-payment are not given. We intend that this list shall be a public warning. Let those interested read and heed.

SHERMAN DAY,
Mining Engineer,
No. 56 Montgomery Block, San Francisco,

Will examine, survey and report upon mines, and consult and advise concerning investments in mining property, or the machinery management and expenditures of mines.
22q*

HUNT'S NEW DITCHER,

HAVING SECURED FROM THE INVENTOR THE SOLE right to manufacture these Machines for the States of California and Oregon, and the Territory of Washington, I am now prepared to receive and promptly fill orders for these machines.

With the aid of three men and four horses this Machine will cut a ditch from two to three feet deep, as may be desired, dumping the earth all on one side so as to form a dike or embankment. For particulars send for circular, to

E. O. HUNT,
Windmill Builder, No. 28 Second Street and 110 & 112 Jessie Street, San Francisco. 9v22tf

Lancaster Gold and Silver Mining Company, Coino, Lyon County, Nevada.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Armitage	8	40	$20 00
H S McElroy	13	40	20 00
Wm Curry & Jones	25	40	20 00
R S Dumont	31 34	40	20 00
E P McKea	66	40	20 00
M Y B Stacy	35	1	50
Wm Birch	71	1	50
S A Wells	69 70	2	1 00
David Fulton	68 129	12	6 00
F Medina	77	1	50
A J Murray	14	40	20 00
W Meeks	99	2	1 00
O Risdon	107	5	2 50
Benj Cork	109 111	15	7 50
W Callaghan	125	1	50
Felix	126	1	50
H P Wilkins	142	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Maurice Dore & Co., No. 227 Montgomery street, San Francisco, California, on the 14th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

A fire-engine for the Russian Government has been manufactured by a London firm, and is a size larger than the engine which obtained the gold medal and first money prize at the contest in Holland. It will throw a jet of water one and a-half inches in diameter 200 feet high, and to a distance of 300 feet.

Out of the 300 people who undertook recently to cross a river near Cracow, Poland, in a grain barge, on their return from a religious celebration, 125 were drowned through the drunkenness and carelessness of the boatmen.

An artillery committee has reported to Napoleon the advisability of adopting the Prussian rifle for the French army.

New Mining Notices.

Crown Point Ravine Gold and Silver Mining
Gold Hill District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of two dollars per share was levied upon the capital stock of said company, payable on the 22d day of November, 1864, in United States gold coin, to the Secretary, at his office, or to Jas. V. Coffey, Virginia City, Nevada.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturay, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Nos. 8 & 10 Government House, corner of Washington and Sansome Streets, San Francisco. nov26-22-4

Empress Gold and Silver Mining Company,
Gold Hill Mining District, Storey Co., State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 25th day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 26th day of November, 1864, in United States gold or silver coin to the Secretary, at the office of said company, No. 540 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 30th day of December, 1864, will be advertised on Saturday, the 31st day of December, 1864, as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 20th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.
Office, No. 540 Clay Street. nov26-22-4

Mammoth Gold and Silver Mining Company,
Rock Spring District, San Bernardino County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 19th day of November, 1864, an assessment of sixty cents per share was levied upon the capital stock of said Company, payable on the 21st day of November, 1864, in United States gold or silver coin, to the Secretary, at the office of the company, No. 611 Clay Street, Room 8, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 9th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

nov26-22-4 GEORGE BOWER, Secretary.

Ruba Gold and Silver Mining Company, Recse
River Mining District, Lander County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to E. S. Davis at Austin.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 9th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.
Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco.
nov26-22-4

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given that the Annual Meeting of the above named Company will be held on Monday, December 26th, at 2 o'clock P. M., at the office of the Secretary, Nos. 8 & 10 Government House, corner of Sansome and Washington streets, San Francisco, Cal.

22-5 J. M. BUFFINGTON, Secretary.

United States Mining Company, Virginia District, Storey County, Nevada Territory.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 22d day of November, 1864, in United States gold and silver coin, to the Secretary, or to Jas. V. Coffey, Virginia.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. nov26-22-4

Notice.

THE Annual Meeting of the Stockholders of the Colorado Silver and Copper Mining Company (Arizona Territory), will be held at the Company's office, No. 523 Clay street, San Francisco, on Monday, December 26th, 1864, at 3 o'clock P. M., for the election of Trustees, and the transaction of any other business that may properly come before it.

21-4 B. W. MUNOE, Secretary

How to Live Long.

To lay the foundation for a long life, both body and mind must practice industrious activities. The hod-carrier works the body hard and the brain almost none; the power of the one is used up, that of the other is not used at all, and he dies of some speedy, fatal disease. The mere student exhausts the brain; the body is not worked at all, and he, too, dies early, with some acute malady. The farmer works his body hard; is in the open air all the time; eats plain food; retires early; rises with the sun; indulges in no irregular habits; but his mind, beyond a certain routine, which soon becomes mechanical as to prices, crops and the weather, has no waking-up activities; and he, too, dies before his time, or vegetates in an asylum.

But the hunter, without the advantages of the regularity, abundance and comfort, of the farmer's home, in spite of sleeping on the damp ground, and going whole days without food; in spite of summer's suns, and winter's snows, and the cold, raw rains of spring and fall, lives to the utmost verge of man's allotted time, and why? His bodily activities are steady, but they are moderate in the main, while the almost incessant look out for game, and the multitudinous devices necessary to outmanœuvre the instincts of the animal creation, keep his wits alive, and they all become as keen and agile as his own restless and piercing eye.

The agencies of long life to the nobility of Great Britain, are their love of travel, hunting and the saddle, in early years; while in latter life they avoid exposures and loss of rest and sleep and food, and, in the fullest sense of the phrase, "take things easy." They know that they are provided for beyond a peradventure, and quietly and securely pass along the stream of life, until it empties into eternity's ocean.

As to great scholars and thinkers, such as Newton of the past age, and Humboldt of the present, their love for study so took away their love of eating, that it was nearer a mechanical necessity than an animal delight; so that they ate but little, and in such proportion had less need for exercise; while it is a physiological fact that mental labor increases our hold on life by its developing and enlarging (as all physicalities enlarge by exercise) the capacities of the brain.

Up to forty-five, the bodily constitution is knit, built up, is consolidated by wise labors, if the mind also is kept in the exercise of healthful activities. The same hard labor after forty-five, so far from from building up, destroys; but while that is the case, mental toil builds up the body, its effect is to increase the capability of living. Hence a man who works his body pretty hard and his mind rather more moderately up to forty-five, has done most towards securing a lasting constitution; and if then he begins to work the body less and the mind more, he adds to that lastingness, and bids fairest to live to eighty or a hundred years. This article merits the mature reflection of every reader, for it is true literally that "out of it are the issues of life."—*Hall's Journal of Health.*"

How to Cultivate a Talent for Drawing.—The ability to delineate objects of nature and art is not only one of the most graceful, but most useful accomplishments, and should be cultivated by every person who has a taste for it, and especially should it be fostered in childhood. On this subject, Ruskin, the eloquent writer on architecture, painting and the ornamental arts, says:—

"If a child has talent for drawing, it will be continually scrawling on what paper it can get; and should be allowed to scrawl at its own free will, due praise being given for every appearance of care or truth in its efforts. It should be allowed to amuse itself with cheap colors as soon as it has sense enough to wish for them. If it merely daubs the paper with shapeless stains, the color box may be taken away till it knows better; but, as soon as it begins painting red coats on soldiers, striped flags to ships, &c., it should have colors at command; and, without restraining its choice of subject in that imaginative and historical art, of a military tendency, which children delight in (generally quite as valuable, by the way, as any historical art delighted in by their elders), it should be gently led by its parents to try to draw, in such childish fashion as may be, the things it can see and likes—birds, or butterflies, or flowers, or fruit. In later years the indulgence of using the color should only be granted as a reward, after it has shown care and progress in its drawings with pencil."

An author's printing press is a pulpit where from he preaches to all men; for an author is town chaplain of the universe. A man who is making a book will scarcely hang himself.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 204 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-m

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Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

T. C. SANBORN & CO.,
MR. T. C. SANBORN having resumed business at the Stock Exchange, will, from this date, attend to orders for the purchase or sale of Mining Shares and other Securities.
613, corner Montgomery & Merchant sts.
San Francisco, October 22, 1864. 18v9-tf

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At the low price of $1.25 per Acre. Terms: Twenty per cent in cash and the balance on a credit of several years.
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MINING ENGINEER.
HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.
Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.
My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 406 Montgomery street. 15-tf
San Francisco, October 1st, 1864.

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10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Cunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
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THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

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REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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THE Directors of the San Francisco PACIFIC METALLURGICAL WORKS offer the following inducements to Prospectors:
NOTICE.—Knowing it will benefit our country to have it well prospected, we agree, if any party will forward us samples of minerals of any kind for assay, express paid, inclose TWO DOLLARS for the same, to return them a correct assay, with the best method of working, and feasibility of having the same worked in this city.
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14-3m

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Drawings may be seen at the office of Col. J. D. Stevenson, No. 614 Merchant street.
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The attention of all interested in the subject is requested to examine the important results obtained by this process.
Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.
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HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
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On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

Machinery and Physical Development.

The beneficial influences of machinery upon the human race are manifold and various. The greatest attention has been given by writers and thinking men and women to those which tend to produce a higher degree of civilization; but there is one of no less importance which has never received the attention it deserves, viz: the influence upon the physical development and health of the working population of civilized countries. This influence, though not yet visible in a marked degree, cannot but make itself apparent in future generations. It will be great, even in our own country, where we seldom find that a whole family of sons follow the same occupation as their father; but of course much greater in European countries, where it frequently happens, especially in certain localities, that the same kind of labor is performed by generation after generation of the same family, and in many cases by both sexes. Consider, for example, the coal-miners of England, who work as beasts of draft and burden in narrow, subterranean passages, causing an unnatural development of some parts of the body at the expense of others; or the dry grinders of needles and cutlery, whose diseased lungs, emaciated frames, and short lives become hereditary.

The amelioration of the physical condition of the latter class of operatives has already been effected, and to some extent their lives have been prolonged, by the introduction of a simple fan-blower, by which the fine particles of steel and stone are conveyed away from their mouths and nostrils, and outside of their workshops into the open air; and there is little doubt that the introduction of machinery for mining, which has already begun to take place and promises to extend itself rapidly, will soon effect a corresponding improvement, though in a different way, in the class first mentioned. In a few generations this machinery will doubtless effect such a change in the population of the mining districts as to give them the appearance of a different race.

There are, in our own country, workers in various arts and trades, the exercise of which, by hand, require the body to be continually in one position, or the violent exercise of some muscles while the others are at rest, who are being and will still further be similarly benefited, in a greater or less degree, by the introduction of machinery. In the female portion of our population, a marked improvement in physical development is being and will still further be brought about by the introduction of that woman-saver, the sewing-machine, in the use of which the unnatural position which becomes habitual in constant application at hand-sewing is avoided, and a gentle exercise of the whole body is required.

Much more might be said upon this subject, if space permitted; but we will conclude by hoping for the speedy arrival of the time when, to use the words of an eminent foreign writer, "the inanimate powers of nature will furnish all the labor, and human beings will only be required for its supervision." "It will be a glorious time," continues this writer, "when the minds and bodies of the people shall be equally developed by meutal and physical gymnasties, and there shall be no brawny arms upon thin legs, and other monstrous and unequal developments.—*American Artisan.*

REESE RIVER VEGETABLES.—The *Reveille* says that D. H. Palmer raised this season, on his ranch at Big Creek, upon a little less than an acre of ground, 5,369 pounds of potatoes. He won a wager of ten dollars on the result. This is the largest yield we have heard of. Who can beat it?

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THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.

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10

Miscellaneous.

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316, 318 & 320 Commercial Street,

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THE Undersigned respectfully notifies his Patrons, and the Public generally, that he has assumed the entire charge of above popular House, and having had it thoroughly renovated, he flatters himself it will compare favorably, in point of comfort and cleanliness, with any House in the city. It is his intention to make it a First Class

Family Hotel.

Being conducted on the European plan, it is not only the CHEAPEST RESPECTABLE HOTEL, but the most convenient as guests can choose their own hours of eating. The Restaurant is now conducted by G. V. DAWSON, Esq., formerly of Sacramento, late of Marysville, whose name is a sufficient guarantee of the best of living.

The Railroad House Coach conveys passengers to the hotel FREE. Barber Shop, Bath Rooms, Steam Baths, etc., connected with the House.

18-q **C. L. ROSS, Proprietor.**

SIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

THE PACIFIC IRON WORKS,

First & Fremont Sts., between Mission & Howard, San Francisco.

The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated

Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c. Orders respectfully solicited.

GODDARD & COMPANY.

Machinists and Foundries.

VULCAN IRON WORKS CO.,

[ESTABLISHED 1850.]

No. 137 and 139 First Street.

IRON FOUNDERS, STEAM BOILER-MAKERS AND

STEAM ENGINE BUILDERS.

THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Laths to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.

MACHINERY

Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.

Quartz Stampers, Shoes & Dies,

Warranted to be made of the very hardest and toughest Iron.

RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.

A Published list of the Patterns of these Works will be sent on application.

MANUFACTURERS OF

JONVAL'S TURBINE WATER WHEELS,

The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.

☞ A DIPLOMA was awarded to this Company for the *Best California-Made Steam Engine*, by the Mechanics' Institute, September, 1857. 13

D. D. HINCKLEY, WM. E. WORTH. WM. A. FIELD

FULTON

FOUNDRY AND IRON WORKS.

Hinckley & Co.,

MANUFACTURERS OF

STEAM ENGINES,

Quartz, Flour and Saw Mills,

Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.

Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.

SCHWARTZ, SHIELDS & CO.,

ALBANY IRON WORKS,

Mission street (south side), just below Beale.

THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.

N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN

San Francisco, May 24, 1864. 22-tf

MINERS' FOUNDRY

—AND—

MACHINE WORKS,

First st., between Howard and Folsom streets,

SAN FRANCISCO.

EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as;

Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.

Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.

*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.

All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.

tf. HOWLAND, ANGEL & KING.

GEORGE T. PRACY,

Machinist and Blacksmith.

STEAM ENGINE, FLOUR & SAW MILL And Quartz Machinery, Printing Presses,

—AND—

MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.

Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,

qy-3 SAN FRANCISCO.

PORTLAND BOILER WORKS.

MOYNIHAN & AITKEN,

BOILER MAKERS AND SHEET IRON WORKERS,

N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.

Mission, between Beal and Fremont Sts., San Francisco. qy29-tf

LEWIS COFFEY. J. S. RISDON.

LEWIS COFFEY & RISDON,

Steam Boiler & Sheet Iron Works

THE ONLY EXCLUSIVELY BOILER MAKING ESTABLishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.

Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

JOHN F. GALLAGHER..... JOSEPH H. WEED.

GALLAGHER & WEED,

BRASS AND BELL FOUNDRY

And Lock Factory.

ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.

CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.

☞ Particular attention given to casting Rudder Braces and Ship Work in general.

☞ All Jobs promptly attended to.—Prices moderate. ☜

No. 125 First Street, opposite Minna, next door to Pacific Foundry.

[Removed from Oregon street, between Front and Davis.] 12tf

Volcanic Disturbance in Costa Rica.

A heavy shower of ashes fell on the 16th of October in Costa Rica, which has been traced as having its origin in the volcano of Turrialba. According to the *Gazette Official*, of 9th October, the ashes continued falling three days and three nights in the Valley of San José, exciting much alarm in the minds of the inhabitants. The Governor of Cartago was induced to send a commission of mountain travelers to inspect the volcano, which has been emitting, for several days, columns of dense smoke. On the 27th, the Commissioners started from Cartago, and on the 29th reached the farm of San Martin, where the ashes lay one foot thick on the ground, increasing in depth as they reached the Lagoon, where they encamped, at the foot of the volcano. During the night they were alarmed by the constant subterraneous noises which proceeded from the bowels of the earth, and sounding like the detonations of angry surges on a rock-bound barrier.

On the 30th they ascended to the summit of the volcano. A mass of smoke was rising twice the hight of that which was seen during the last eruption in February. Its color was between black and green, and was mixed with huge volumes of blue flames, accompanied with violent tremors of the earth and deep rumbling sounds. After the smoke and flames had been vomited out, one wide crater was seen "almost round, and deep as the veritable portals of Tartarus," with the infernal walls of a yellowish and black hue, as if lined with a varnish of resinous compound. From the profound depths of the crater a pestiferous odor ascended, and the rumbling sounds at each moment became more and more alarming.

The mountaineers noted that San Carlos, the north peak of the crater, had entirely disappeared into the abyss. The mountain, a very large one, is entirely covered with the ashes to the depth of three feet, and the country around, for nine miles from the mountain, is also covered with the ashes.

On the east side of the volcano, and about five hundred yards from the crater, a stream appeared, whose waters are extremely acid, perhaps containing sulphuric acid. On the northeast side, towards the river Torturego, all vegetation has been destroyed for many leagues. The mountaineers declare that at each step the earth seemed to rock to and fro under them, and that the heavy torrents of cold rain, the want of fire, and other difficultiee, did not permit them to remain on the summit longer than four hours.

THE FURNACE FOR GOLD.—The ore lay in the goldsmith's shop, rude and unrefined. How the costly vessels, pure and polished glitter before it.

"Ah, that I were such as you!" cried the ore. "I am gold, even as you are; but where is my beauty? where my glory?"

"Wait awhile," said the shining vessels, "your time will come. But if you would really be as we are—a lot to which you are destined—remember not to fliuch from the process that awaits you."

So the ore was cast into the furnace, and it moaned and bewailed the fierceness of the flame.

"You were not satisfied when buried in natural dross; you are not satisfied now, while being forced to part from it," said the shining vessels. "But when you come forth from that furnace without blemish, ready to be wrought into a king's crown, and take your place by us, you will forget the flame that scorched and purified you, and love the refiner who loved you too well to keep you in the furnace one moment less than was necessary."

SILVER ORE DISCOVERED.—The Victoria (V.I.) *Chronicle*, of 9th November, says: We learn from Mr. Dean, of this city, that a handsome lode of silver has been discovered at Mud Hill, thirty miles from Nisvually, W. T., in the direction of Mount Rainer. Mr. Higgins, in charge of the Hudson Bay Company's store, and several employes, have left for the newly-discovered mines. Great excitement exists in Steilacoom, where the stores have been closed by the proprietors, who have gone out in search of the lode.

MORE than nine thousand different kinds of animals have been changed into stone. The races or genus of more than half of these are now extinct, not being at present known in a living state upon the earth. From the remains of some of these ancient animals, they must have been larger than any living animal known upon the earth.

THE Queen of Spain has given a flattering reception to the Envoy of the Emperor Maximilian, and expressed her desire that a good understanding should exist between Spain and Mexico. Italy, Switzerland and Portugal, have followed suit.

EIGHTEEN thousand miners are now on a strike in England.

STILL IMPROVING!

VOLUME IX

—OF—

The Mining and Scientific Press

COMMENCED

ON THE FIRST OF JULY, 1864,

WITH

An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETORS of this useful and now important journal experience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the PRESS during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

Journals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prespectors,
An Economist to Millmen,
An Assistant to Active Miners,
An Economizer for Mining Advertisers,
Reliable Reporter for Shareholders.
Faithful Monitor for Stockdealers,

An Intelligencer for Mechanics,
An Incentive to Inventors,
A Refleotor for Patentees,

And a Helpmeet to all Industrial Classes,

fact, upon the Pacific Coast. We shall give accurate and quent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

FOR ADVERTISING

Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

Office in Government House, Nos. 11 and 56, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with a general report of the Executive Committee, will appear in due time.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 11 Government House, corner Washington and Sansome street, San Francisco.

"THE MINING AND SCIENTIFIC PRESS."—We would call attention to the advertisement of "The Mining and Scientific Press," (Messrs. Dewey & Co., Proprietors), one of the best conducted and most valuable weekly journals published in America.—*Golden Era.*

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

GEO. B. HITCHCOCK & CO.,

Counting-House Stationers,

HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF

American and Foreign Stationery.

Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.

GEO. B. HITCHCOCK & CO.,
2-1m 413 and 415 Sansome St., cor. Commercial, S. F.

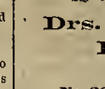
A New and Valuable Book.

PROCESS OF SILVER AND GOLD EXTRACTION, BY Guido Kustel, Mining Engineer and Metallurgist, former manager of the Ophir Works, &c.; 350 pages octavo illustrated.

This admirable work has met with the highest commendations from the Press and Scientific men, as a clear and able exposition of the science as practiced in California and Nevada Territory. Its written for the people in good plain English and finely illustrated.

Price—post paid—Cloth $6; Sheep $7.

A. ROMAN & CO.,
Booksellers, Importers and Publishers,
417 and 419 Montgomery street,
no30-tf San Francisco.



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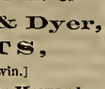

Extracting Without Pain.

Drs. Whitcomb & Dyer,

DENTISTS,

[Successors to W. H. Irwin.]

No. 205 Third Street, near Howard,

18-v9 SAN FRANCISCO.

KELLOGG'S PATENT

IMPROVED NEWBURY

PRINTING PRESS.

This New, Cheap, and most Desirable

JOB PRINTING PRESS

Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.

Kellogg's Improvement

is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington hand-press, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, **L. M. KELLOGG.**
October 29th, 1864. San Francisco.

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF

NOVEMBER, 1864.

Nov. 3—GOLDEN CITY. ... Capt. Wm. F. Lapidge.
Nov. 12—GOLDEN AGE.....Capt. E. S. Fransworth
Nov. 23—CONSTITUTION.....Capt. J. T. Watkins.

From Folsom street Wharf,

At 9 o'clock A. M., Punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHICHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jltf

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK,.....$120,000

600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

INVENTORS AND INVENTIONS.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Invention is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Glorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignorant of the joys of victory. —[Dumas.

Mining Notices--Continued.

Ashland Mining Company, Moss Lode, Colorado Mining District, Arizona.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 16th day of November, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 17th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 613 Montgomery street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday the 3d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CEO. T. KNOX, Secretary.
Office, No. 613 Montgomery street. nov19-21-4

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 19th day of October, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Butler, Mrs S F	154	half 17	$3 40
Hardy, L J	152	half 4	80
Level, George	33	half 28	5 60
McNeil, Patrick	25	50	10 00
Smith, George	39	half 43½	90
Sommers, Simon	44	25	5 00
Spann, J S	209	25	5 00
Wilson, John	75	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 19th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 3d day of December, 1864, at hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

N. G. FRENCH, Secretary.
Office, 728 Montgomery street, San Francisco. 21

Bella Vista Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of November, 1864, an assessment of 65 cents per share was levied upon the capital stock of said company, payable on the 12th day of November, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 326 Clay street.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. FULLER, Secretary.
Office, No. 326 Clay street, San Francisco. [nov19-21-4

Blue Ledge Gold and Silver Quartz Mining Company, Kelsey District, El Dorado County, California.

The office of the above named company has been removed to Room No. 5, Government House, on the corner of Washington and Sansome streets. V. B. POST, Secretary.
San Francisco, November 14, 1864. 21

Bay State Gold and Silver Mining Company. Turnback District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 9th day of November, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 10th day of November, 1864, in United States gold coin to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 27th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.
Office, S. E. Corner of Second and Howard streets, San Francisco. nov12-20-4

El Toro Gold and Silver Mining Company
Concordia District, Panuco, Sinaloa, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 21 day of August, 1864, an Assessment (No. 4) of $2.00 per share was levied upon the assessable stock of said Company, payable on the 24 day of September, 1864, in United States gold coin to the Secretary at the office office of the Company, No. 617½ Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

FORD H. ROGERS, Secretary.

Office, No. 617½ Montgomery street, San Francisco, Cal.

In consequence of omission in former advertisement, the above notice is ordered republished. nov19-21-4

Citizen's Coal Mining Company, Mount Diablo
District, Contra Costa County, Cal.

Notice.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 20th day of August, 1864, and No. 10, levied on the 11th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Asst.	No. Certificate.	No. Shares.	Amt.
H Rothschild	9	37	2	$10
H Rothschild	10	37	2	10
M Waizmann	9	101	3	15
M Waizmann	10	101	3	15
Wm Striby	9	67	1	5
Wm Striby	10	67	1	5
Sophrau Fiedler	9	84	1	5
Sophrau Fiedler	10	84	1	5
C Merkle	9	90	1	5
C Merkle	10	90	1	5
Conrad Lludner	10	53	1	5
Conrad Lludner	10	7	2	10
Gottl Behrens	10	32	1	5
John Locher	10	1	3	15
A H Beschornaann	10	93	2	2
A H Beschornaann	10	103	8	8
A Fenkhausen	10	62	1	5
Marianna Bootz	10	71	5	5
Jas Wands	10	75	1	5
Adam Bootz	10	86	1	5
Dan Althaus	10	88	1	5
Jacob Mello	10	84	2	10
John Baumeister	10	93	1	5

And in accordance with law and an order of the Board of Trustees, made on the 14th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 26th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

E. J. PFEIFFER, Secretary.

20 Office, S. W. Corner, Post and Dupont Sts.

Postponement.—The above sale is hereby postponed until Saturday, December 3d, 1864. By order of the Board of Trustees.

21 E. J. PFEIFFER, Secretary.

Evening Star Gold and Silver Mining Company,
Trinity District, Humboldt County, Nevada.

The Annual Meeting of the Stockholders of the above company, for the election of Trustees to serve for the ensuing year, will be held at the office of the Company, No. 710 Sansome street, on Saturday, the 3d day of December, 1864, at one o'clock, P. M. By order of the Board of Trustees.

20-3 N. DUPERU, Secretary

Good Hope Gold and Silver Mining Company,
Alpine District, Alpine County, Cal.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment (No. 4) of twenty-five cents per share was levied upon the capital stock of said Company, payable on or before the 28th day of November, 1864, in United States Gold and Silver Coin, to the Secretary, at the office of the company in San Francisco, or to Henry Monais, in Markleeville. [*Delinquents will be held for accruing costs after the 28th of November.*]

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [19-4t

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment of $1 per share was levied upon the Capital Stock of said Company, payable on the 6th day of November, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 3d day of December, 1864 will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco. nov5-19-4

Jessup Copper Mining Company, Located at Curtis' Old Rancho, Township No. 8, Calaveras County, California.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 4th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Louis M Hickman	35	35	$14 00
Louis M Hickman	36	50	20 00
Louis M Hickman	37	54	20 00
Louis M Hickman	38	15	6 00
Wm Graham	45	150	60 00

And in accordance with law, and an order of the Board of Trustees, made on the 4th day of October, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the auction room of Jerome Rice & Co., No. 327 Montgomery street, (now Maurice Dore & Co.) San Francisco, on the 28th day of November, 1864, at the hour of 12 o'clock. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

RALPH EMERSON, Secretary.

Office, No. 540 Clay street, San Francisco. 20

La Libertad Gold and Silver Mining Company,
Cacachillas District, Lower California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J W Brown	27	20	20 00
Samuel Ambrose	116	10	16 00
Geo A Raymond	2 30 50	150	150 00
I W Shumaker	47	34	22 66
Richard Chenery	4	10	10 00
Samuel Hutchinson	1	20	20 00
E Van Valkenburg	120 121	100	66 66
Emma T Fish	60	15	10 00
E P Fish	114 117	50	33 32
Thomas N Parker	115 118 119	50	50 00
B C Howard	15 17	80	43 40
B C Howard	unissued	51	

And in accordance with law, and an order of the Board of Trustees, duly made on the 26th day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on the 3d day of December, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. [21

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of November, 1864, an assessment of $5 per share was levied upon the assessable capital stock of said company, payable immediately in United States Coin, to the Secretary, at the office of the Company, No. 413 Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-5

Mammoth Gold and Silver Mining Company,
Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, estate, not iss'd		22 2-3	54 00
Crawford, Wm	not issued	89	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fido, Wm	not issued	125	02 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	02 50
Hanly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 70 77		80	40 00
Payne, S S	0	5	2 50
Richardson, S	19 20	20	10 00
Tanner, O	8	2	1 00
Whittoa, M S	bal	7½	3 75
Whittou, R J	bal	29	14 50
Winton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Dyson, Z	bal on 78 79 80	20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many, shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. [14

Postponement.—The above sale is postponed until Monday, December 5th, 1864, at the same hour and place. By order of the Board of Trustees.

17-6 J. WARREN CLARK, Secretary.

Noble Grand Mining Company, Inyo District, Tulare County, Cal.

Notice.—There are delinquent upon the following described stock, on account of assessment levied on the 6th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows, to wit:—

Names.	No. Certificate.	No. Shares.	Amount.
S B Holly	1 2	100 ea	$20 00
S B Holly	3	50	5 00
S B Holly	4	20	2 00
S B Holly	5	10	1 00
S B Holly	6	5	50
S B Holly	7	3	30
J P Hamilton	23	100	10 00
J P Hamilton	24	50	5 00
J P Hamilton	25	20	2 00
J P Hamilton	26 108 to 112	10 ea	6 00
J P Hamilton	27 113 to 122	5 ea	5 50
J P Hamilton	28	3	30
Dexter Witter	9	100	10 00
Dexter Witter	10	50	5 00
Dexter Witter	11	20	2 00
Dexter Witter	12 93 to 97	10 ea	6 00
Dexter Witter	13 98 to 107	5 ea	5 50
Dexter Witter	14	3	30
Mrs S S P Eastman	127	5	50
J S Keifer	128	4	40
M C Smith	129	4	40
M M Sixsmith	130	4	40
A Z Valleau	92	10	1 00

And in accordance with law and an order of the Board of Trustees, made on the 6th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the office of the Secretary, on the 30th day of November, 1864, at the hour of 12 o'clock M. of said day, to pay the said delinquent assessment thereon, together with the costs of advertising and expenses of sale.

A. G. WOOD, Secretary.

Office, No. 240 Montgomery street, cor. of Pine. 20

Enlarged.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of November, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 9th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, S. W. Corner of Stockton and Washington streets, San Francisco, nov19-21 5

Owens River Canal Company.—Annual Meeting.

Notice is hereby given, that the regular Annual Meeting of the Owens River Canal Company, for the election of officers for the ensuing year, and the transaction of any other business that may come before the meeting, will be held at the Office of the Company, Room No. 2, second floor, No. 302 Montgomery street, corner Pine, at 7½ o'clock, in the evening of Saturday, the 26th day of November next.

T. L. BIBBINS, Secretary.

San Francisco, Oct. 28th, 1864. 18-1d

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, Nev.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of November, 1864, an assessment (No. 9) of 50 cents per share was levied upon the Capital Stock of said Company, payable on the 9th day of November, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on the Saturday the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco, California. nov12-20-4

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. Curtis, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Olay and Front streets San Francisco, Cal, 19-4t

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kauil	3	33 1-3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2-3	80
Estate of J J Todd	10	16 2-3	50
C A Parrinton	11	16 2-3	50
R E Jacobs	32, 137	39 1-3	119
J J Corrigan	153	31	93
J F Dorland	89	8 1-3	25
F G Norman	92, 170	14 2-3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Philips	54, 55, 56, 00		
	67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	89	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2-3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1-2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1-2	10
Gilbert Palacho	99, 100, 145	29 2-3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Mooro	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
E G Mathews	182, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1-3	25
S S Peck	128	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Goddes	151	1	3
James Delancy	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Postponement.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It it a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

SISTERS MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
Farrell, M J	95	50	$7 50
Fisher, W F	101	7	95
Moffet, John	58 59	100	15 00
Murfey, Ed	21 22 23	27½	4 13
Parker, A H 10 12 14 15	10	150	22 50
Welch, G W	29 30	50	7 50

AUGUSTA MINING COMPANY.

Bates, C M	29	125	18 75
Fairbanks, H T	52	50	7 50
Farrell, M J	75	175	26 25
Muller, Ed 19 20 21 22 23	24	62½	9 38
Morrison, Robt	18	125	18 75
Parker, A H	17	23	3 75
Scott, R H 53 54 55	56	800	120 00
Stoaks, B F	70	50	7 50
Welch, G W	32	25	3 75

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 5th day of December, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. 21

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street. nov19-21-4

Silver Prize Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Company, payable on the 17th day of October, 1864, in United States gold coin, to the Secretary, or to the Superintendent at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco.

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, December 17th, 1864, and the sale thereof until Saturday, December 31st, 1864. By order of the Board of Trustees.

21-4 J. WARREN CLARK, Secretary.

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of October, 1864, an assessment (No. 9) of twelve and a half (12½) cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at his office, No. 53 Montgomery Block, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 2d day of December, 1864, will be advertised as delinquent on Saturday, the 3d day of December, 1864, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. FELL, Secretary.

Office, No. 53 Montgomery Block. nov5-19-4

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of November, 1864, an assessment of $2.50 per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

GEOROE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-4

Wilson Copper Mining Company, Garden Bar District, Placer County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 31st day of October, 1864, an assessment of 50 cents per share was levied upon the capital stock of said Company, payable on the 1st day of November, 1864, in United States gold and silver coin, to Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold, on Saturday the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. L. KIRBY, Secretary.

Office, Room 8, No. 511 Clay street, San Francisco. nov5-19-4

"Mining and Scientific Press."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

THE female colliers in the colliery districts in England, wear breeches, shirt, coat and hob-nailed boots.

ONE of the most curious and interesting discoveries for some years at Pompeii has just been made. It consists of a large, square, white, marble block, upon which is carved an almanac, with some extraordinary and interesting data.

THE reported discovery of extensive Roman remains found in the river Mersey, near Runcorn, proves to be a hoax. The alleged details were printed in full in the English papers.

THE more we know the less we say. At death a man arrives at immense knowledge, and doesn't open his mouth.

THE average dividends of the Massachusetts Banks this year have been eight and three-tenths per cent.

THE largest cotton mill in the America is at Baltic, Conn. It is owned by the Rhode Island Spragues.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

Mining and Scientific Press Patent Agency,

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 3d March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be witheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do, is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his inventiou is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have excess to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first installment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, when it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, and new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the setler, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No Jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

American and Foreign Patent Agency

FOR THE

PACIFIC COAST.

DEWEY & CO., AGENTS,

AND PUBLISHERS OF

The Mining and Scientific Press,

Corner of Washington and Sansome Streets.

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We have secured the co-operative services of some of the oldest, most thorough and reliable Patent Solicitors and Attorneys at Washington, and in Foreign Countries, and our Applicants can have their claims and specifications properly and speedily presented, without the delay necessarily required in transacting their business through Eastern or Foreign Agencies. For further information, address

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12-3m **P. BELLE.**

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors.

SAN FRANCISCO, SATURDAY, DECEMBER 3, 1864.

VOLUME IX. Number 23.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME AND LOCATION.	AM'T OF ASSESSMENT.	DAY ADV'G DELINQ'T LIST.	DAY OF SALE.
Autocrat, San Dimas, $1		Jan 7	Jan 21*
Ashland, Arizona, 50c		Dec 17	Jan 3*
Arizona Cons., 20c		Nov 19	Dec 3*
Amador Cons., Lander co., $4		Nov 21	Dec 6
Antelope, Esmeralda, $25		Dec 6	Dec 26
Arroyo de los Gatos, 10c		Dec 10	Jan 10
Aztec, Flowery, $1		Dec 10	Dec 26
Arbitrios, Chihuahua, $2		Dec 10	Dec 24
Alemania, San Antonio, $1		Dec 9	Dec 19*
Ashland, Virginia, $1		Dec 26	Jan 6
Blue Ledge		Removal*	
Bay State, Turnback, 25c		Dec 10	Dec 27*
Bella Vista, Cacachillas, 65c		Dec 17	Dec 31*
Bella Vista		Annual Meeting	Dec 1
Balazett & Golden Era Cons., $5		Sale Nov 26	Virginia
Battle, Virginia, $10		Levied Oct 12	
Buckeye, D. G., $3		Nov 21	Dec 3
Boston Copper, El Durado co., 50c		Nov 29	Dec 13
Burlington, Napa, 50c		Dec 12	Dec 25
Big Blue Lead, Cove, $2		Dec 5	Dec 17
Bee, R. B., $2		Dec 13	Dec 26
Colorado, Arizona		Annual Meeting	Dec 26*
Crown Point Ravine, C. H., $2		Dec 24	Jan 7*
Citizens', Coal, Mount Diablo, $5		Nov 12	Nov 26*
Chicago & Detroit, Amador co., $1		Nov 19	Dec 3
Capitola, Santa Clara, 25c		Jan 3	Jan 18
California, Virginia, $12.50		Dec 7	Dec 22
Copa, Humboldt, $3		Dec 19	Dec 5
Coral, Amador Dis., 50c		Dec 6	Dec 17
Consolacion, Sinaloa, $1		Dec 10	Dec 23
Columbia, Tuolumne, $2		Dec 10	Dec 28
Chandlor, Lyon co., 50c		Nov 25	Dec 7
Caledonia T. & M.		Special Meeting	Dec 21
Cosmopolitan, Gopher, 50c		Dec 26	Jan 17
Coral Viejo, Mexico		Annual Meeting	Dec 15
Chollar		Annual Meeting	Dec 7
Crown Lead, Mariposa, $1		Dec 19	Dec 31
Cinco Senores, Mexico, $2		Dec 21	Jan 9
Cordillera, Chihunhua, $1		Dec 14	Dec 24
Columbia		Special Meeting	Dec 3
Cortez, Lander co., $1		Dec 30	Jan 18
Cole, Virginia, $1		Dec 24	Jan 9
Charles Cany		Annual Meeting	Dec 14
Caldwell, Cove, $2		Dec 28	Jan 12
Del Norte Comstock, 45c		Dec 5	Dec 17
Dacota, R. R., $1		Nov 18	Dec 5
Dios Padro, Sonora, $3		Nov 12	Dec 12
Daney, Lyon co., $2		Dec 8	Dec 27
Durant, Nye Co., $1.60		Dec 27	Jan 14
Durant		Annual Meeting	Dec 10
Del Norte Comstock		Annual Meeting	Dec 3
Empress, Gold Hill, $1		Dec 30	Jan 20*
El Toro, Sinaloa, $2		Dec 17	Dec 31*
Evening Star, Humboldt		Annual Meeting	Dec 5*
Emilia, Mexico., 25c		Dec 3	Dec 21
El Tesoro, Lower Cal., $4		Nov 15	Dec 10
El Taste, Mexico, $2.50		Dec 18	Dec 30
Eureka Cons., Arizona, 50c		Nov 10	Nov 26
El Dorado, Virginia, $2		Dec 5	Dec 21
Eureka Coal, Alameda, 20c		Nov 17	Dec 12
Empire T. & M., Humboldt, $2		Nov 29	Dec 17
Ethan Allen, R. R., $1		Dec 5	Dec 19
Franco Americana, San Antonia, $1		Nov 23	Dec 9
Franco Americana		Annunt Meeting	Dec 13
Good Hope, Alpine, 25c		Dec 3	Dec 17*
Goberuadora, Lower Cal., $1		Dec 5	Dec 17*
Green, Cold Hill, $1		Dec 16	Dec 31
Gov. Seymour, R. R., $5		Nov 12	Dec 6
Gold Rock, Calavoras co.,		Annual Meeting	Jan 6
Gold Hill Tunneling, $1		Dec 31	Jan 17
Great Central, Weaver, 25c		Nov 23	Dec 9
Germanio Mina Prieta		Special Meeting	Dec 9
Golden Ark, Mariposa, 10c		Dec 3	Dec 17
Great Western T. & M.		Special Meeting	Dec 10
Hale & Noreross, Virginia, $25		Dec 10	Dec 28
Hanscom, Del Norte		Annual Meeting	Dec 7
I X L, Alpine co., $3		Dec 2	Dec 16
Jewett, G. H., $1		Nov 26	Dec 13
Josephine, Coso, $1		Dec 21	Jan 5
Jewel, D. G., $1.50		Dec 27	Jan 9
Kentucky Copper, Madame Felix, 50c		Nov 26	Dec 10
Kern River, Cove, $1		Dec 28	Jan 12
Lancaster, Como, 50c		Nov 26	Dec 14*
La Candelaria, San Dimas, $5		Dec 10	Dec 24*
La Libertad, Cacachillas, $1		Nov 19	Dec 3*
Las Churras, $50		Nov 17	Nov 28
La Fernandez, Hermosillo, Mexico, $7		Dec 5	Dec 20
Lady Bryan, Flowery, $5		Dec 6	Dec 20
La Blanca, Ures, $2.50		Dec 7	Dec 19
Lady Bell, Low Divide, 10c		Dec 19	Dec 30
La Fulma, San Antonio, 50c		Dec 12	Dec 23
Lotus, Gopher, 25c		Dec 23	Jan 7
Live Oak Copper		Annual Meeting	Dec 5
Manzanillin, Sinaloa		Annual Meeting	Dec 14*
Mammoth, Rock Spring, 60c		Dec 24	Jan 9*
Mammoth, Silver Mountain, 50c		Sale Dec 5*	
Monster Cons., 30c		Dec 24	Jan 6
McElroy, Lyon co., 50c		Nov 25	Dec 7
Melones and Stanislaus, Calaveras co., $2 50		Nov 28	Dec 12
Mesldora, San Antonio, 50c		Dec 3	Dec 17
Mina Prieta, Ures		Annual Meeting	Dec 2
Mammoth, Rock Spring		Special Meeting	Dec 2
Maria, Chihuahua		Annual Meeting	Dec 9
Napa, Silver Mountain, 30c		Nov 19	Dec 5*
New Era, Cop., Tuolumne co., 25c		Dec 24	Jan 7*
Nuestra Senora de Guadaloupe, Jalisco, $5		Dec 7	Dec 23
Nuestra Senora de Guadaloupe, Durango, 60c		Dec 7	Dec 23
Nonpariel, Tuolumne, $5		Dec 24	Jan 9
North Potosi, Virginia, $12.50		Nov 22	Dec 10
North Star, R. R., $1		Dec 12	Dec 23
Nevada, J. O., $10		Levied Oct 29	
New Year's Diggings, Tuolumne co.		Special Meeting	Dec 23
Oxford Beta, Esmeralda, 50c		Dec 10	Dec 28*
Ontario, R. R., 25c		Nov 19	Dec 3*
Open Sesame, Clayton, 50c		Nov 15	Dec 6
Overman, $50		Levied Nov 19	Gold Hill
Pena Silver, Lower California, $3		Aug 20	Jan 31*
Patrocinia & Dolores		Special Meeting	Dec 12
Pioneer M. & M., R. R., $3		Dec 26	Jan 10
Point Arena Petroleum, 50c		Dec 26	Jan 7
Roger's, Flowery, $2		Jan 5	Jan 23
Ruba, R. R., $1		Dec 21	Jan 9*
Real del Monto, Esmoralda		Sale Dec 5	
Richland, R. R., $3		Nov 17	Nov 29
Rancheria, San Antonio, 50c		Nov 25	Dec 6
Richland		Annual Meeting	Dec 6
Refugio, Chihuahua, $2.50		Dec 5	Dec 17
Rancheria		Special Meeting	Dec 5
Rogers		Annual Meeting	Doo 12
Ranacheria		Annual Meeting	Dec 19
St. Clair Cons., R. R., $1		Dec 17	Dec 31*
Silver Prize, Silver Mountain, 15c		Dec 17	Dec 31*
Santa Cruz, Petroleum, 12½c		Dec 3	Dec 17*
Steamboat, Star, $1		Nov 19	Dec 5*
Sisters & Augusta, Lander co., 15c		Nov 19	Dec 15*
Sierra Silver		Annual Meeting	Dec 12
Smoky Valley, Lander co., $1.50		Dec 24	Jan 7
Silver Circle, R. R., $2		Dec 22	Jan 7
San Lorenzo, Santa Cruz, 50c		Dec 17	Jan 2
Sierra Valley, Plumas co., $1		Dec 10	Dec 24
Superior, copper, Plumas, 75c		Nov 19	Dec 6
Stephen A. Douglas, R. R., $1.50		Dec 8	Dec 23
Southern Light, R. R., 50c		Jan 2	Jan 15
Stephen A Douglas		Annual Meeting	Dec 6
Sweet Vengeance		Quarterly Eecting	Dec 19
Star of Empire, Mariposa, 10c		Dec 2	Dec 10
Shcba, $15		Dec 29	Jan 14
Sierra Silver		Annual Meeting	Dec 12
San Nicolas, Durango, $2		Dec 27	Jan 10
Shoshne, Lander co., 50c		Dec 28	Jan 12
Tallulah, Sierra, $2.50		Dec 10	Dec 24*
Table Mountain Copper, Calaveras co., $1.25		Dec 3	Dec 22
Troy, R. R., $4		Nov 21	Dec 3
Tuscaran, R. R., 50c		Dec 17	Jan 5
Tresoro & James River Cons., R. R., $4.50		Dec 3	Dec 19
Trinadad & San Jose, Sinoloa, $10		Dec 26	Jan 15
Tecbattaeup, Arizona, 12c		Jan 3	Jan 23
Tolcdana, Mnriposa, 25c		Dec 15	Dec 26
United States, Virginia, $1		Dec 24	Jan 7*
United States		Annual Meeting	Dec 26*
Utah, $12.50		Dec 11	Dec 29
Wilson, Garden Bar, 50c		Dec 3	Dec 17*
Whitlatch, R. R., $5		Dec 16	Dec 28
Wide West, Esmeralda, $5		Dec 23	Jan 9
Yankee Blade, R. R., $5		Nov 25	Dec 13

*Those marked with an asterisk (*) are advertised in this journal.

THE WRONG SIGN.—The *Alta* of Sunday says that the "sign" of the MINING AND SCIENTIFIC PRESS, blew down in the gale of Saturday last, endangering the lives of passes by, etc. Not so, neighbor; all work done by the MINING AND SCIENTIFIC PRESS firm, is warranted safe and correct. It was another sign, which blew down from the Government Building, to the great fright and danger of passers by, on the day aforesaid.

Contents:

VOL. IX, No. 23—DECEMBER 3d, 1864.—Virginia City Underground; Virginia City Correspondence; Revolution in the Cotton Trade; A New Light for Manufacturers; Home Finances; Eastern Finances; Poisoning of Water by Lead Pipes; Changes Occuring During the Germination of Plants; Interesting Geological Facts in Connection with the Gravel Ranges of California; Grass Valley Iron Foundry; A Notable Death; Mining Summary; The Recent Rains; Improved Evener and Whiffletrees (illustrated); Cement Manufactory at Benicia; New Mormon Movement; Important Drainage Improvement; Between the Blankets; Laces and the Love of them; Home After the Children have Grown Up; Miscellaneous Editorials, Items, Etc.; Mechanics' Fair Reports—continued; Mining Shareholders' Directory; Prices Current; Mining Advertising; Notice to Correspondents; Stock Reports; Mining Stock Sales; New Mining Advertisements; Meeting of the Mechanics' Institute, Etc.

☞ For New Mining Advertisements see page 365. ☜

Improved Evener and Whiffletrees.

This is an invention patented, in May last, in the Atlantic States. Mr. William Saunders has the exclusive agency for the same on this

coast. The above cut gives a very correct representation of the construction. The upper one represents the evener for two horses complete; the lower one represents the same for three horses. The chief principle involved in this invention is the pulley arrangement, which, it will be seen, makes the apparatus more compact and perfect than any other arrangement for a three-horse draft. It will be perceived that the outside horses draw from a hook upon the outer end of each whiffletree, and one end of the straps passing round a pulley attached to the inner end of each whiffletree, while the inside horse draws from the two opposite ends of the straps passing around each pulley. It will be seen that the peculiar attachment of the whiffletrees to the evener equalizes the draft perfectly between the animals. It will also be seen that when two horses only are employed, no whiffletrees are employed—the pulley obviating the necessity of the whiffletree.

This invention was exhibited at the late Mechanics' Fair in this city, and favorable mention was made of it as one worthy of a premium. Mr. Saunders, the agent, may be addressed by letter through the Postoffice in this city. Orders may be left with Gallagher & Rodecker, No. 115 Pine street, with whom arrangements have been made for their manufacture. County, State and Territorial rights can be purchased of the agent on favorable terms.

MINING ADVERTISING.—We understand that the Open Sesame mining company have re-advertised their last delinquent list in consequence of doubts entertained by some of the directors with regard to the legality of the first advertisement, from the fact that each certificate of stock was not separately enumerated, with the number of shares which it represented.

San Francisco Jobbing Prices Current.

Flour, extra, ₱ bbl	11 00	@12 50
Do Superfine	10 00	@11 50
Corn Meal, ₱ 100 lb	3 50	@ 4 00
Wheat, ₱ 100 lb	3 50	@ 3 75
Oats, choice, ₱ 100 lb	3 00	@ 3 15
Barley, ₱ 100 lb	3 75	@ 3 90
Beans, ₱ lb	3	@ 4
Potatoes	2½	@ 4
Hay, ₱ ton	35 00	@40 00
Live Oak Wood, ₱ cord	8 00	@ 9 00
Beef, on foot, ₱ lb	2	@ 4
Beef, extra, dressed, ₱ lb	2	@ 7
Sheep, on foot, ₱ lb	1½	@ 2
Hogs, on foot, ₱ lb	4	@ 6
Hogs, dressed, ₱ lb	8	@ 9½
Groceries, Etc.		
Sugar, crushed, ₱ lb	17½	@ 18
Do China	12½	@ 13
Coffee, Costa Rica, ₱ lb	23	@
Do Rio	22	@ 23
Tea, Japan, ₱ lb	70	@ 75
Do Green	50	@ 85
Hawaiian Rice, ₱ lb	12½	@ 14
China do	9	@ 10
Coal Oil, ₱ gal	55	@ 75
Candles, ₱ lb	20	@ 22
Ranch Butter, ₱ lb	50	@ 80
Isthmus do	35	@ 40
Cheese, California, ₱ lb	20	@ 25
Eggs, ₱ doz	75	@ 80
Lard, ₱ lb	18	@ 19
Ham and Bacon, ₱ lb	18	@ 20
Shoulders	12	@ 14

San Francisco Retail Prices Current.

Butter, California fresh ₱ lb	1 00	@
do pickled ₱ lb	00	@ 75
do Oregon	35	@ 50
do New York, ₱ lb	45	@ 50
Cheese, ₱ lb	30	@ 35
Honey, ₱ lb	40	@ 50
Eggs, ₱ doz	85	@
Lard, ₱ lb	22	@
Hams and Bacon, ₱ lb	24	@
Cranberries, ₱ gal	1 00	@
Potatoes, sweet, ₱ lb	4	@ 6
do Irish, ₱ lb	4	@ 5
Tomatoes, ₱ lb	8	@
Onions, ₱ lb	6	@ 8
Beets, ₱ lb	2	@
Squashes, ₱ lb	4	@ 5
Cabbage, ₱ lb	4	@ 5
Cauliflowers, ₱ lb	1 50	@
Celery, ₱ doz bunches	1 00	@
Turnips do	40	@
Parsnips do	50	@
Apples, No. 1, ₱ lb	7	@ 10
Pears, table ₱ lb	7	@ 15
Plums, dried, ₱ lb	10	@ 15
Peaches, dried, ₱ lb	10	@ 15
Quinces, ₱ lb	7	@ 10
Grapes, California, ₱ lb	7	@ 15
Grapes, Foreign, ₱ lb	25	@ 60
Oranges, ₱ 100	4 50	@ 6 00
Lemons, ₱ 100	5 00	@ 6 00
Pineapples, ₱ doz	4 00	@ 6 00
Chickens, apiece	50	@ 75
Turkeys, ₱ lb	25	@
Geese, ₱ pair	4 00	@
Ducks, ₱ pair	1 50	@
Quail, ₱ doz	2 00	@
Wild Ducks, ₱ doz	2 00	@ 0 00
Rabbits, ₱ pair	25	@
Oysters, ₱ 100	1 00	@ 1 25
Fish, Fresh, ₱ lb	2	@ 18
Salmon, smoked, ₱	10	@ 12

IMPORTANT TO MINE OWNERS.—We would call the especial attention of mine owners to the advertisement of Mr. J. Mosheimer, in another column, who proposes to erect furnaces and reduction works for such as may desire them. Mr. Mosheimer has had a large experience in the reduction of mineral ores, having been extensively engaged in such operations in this city, in the early days of the Washoe discoveries. Mr. M. has just returned from Europe, where he has spent some two or three years in carefully examining all the latest processes of reduction and working various ores, which are now employed both on the Continent and in Great Britain. We would again call the attention of mine owners to Mr. Mosheimer's advertisement.

AT WORK AGAIN.—We understand that the Antioch Copper Smelting Works have again commenced operations. The fires were re-lighted about two weeks since. We have no further particulars.

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

Communications.

In this Department we invite the free discussion of all proper subjects—correspondents alone being responsible for the ideas and theories they advance.

Interesting Geological Facts in Connection with the Gravel Ranges of California.

Editors Mining and Scientific Press:—I regret to learn that my much respected friend (if I may be allowed the mournful privilege of so calling one with whom I had not the pleasure of a personal acquaintance, and whom I never happened to meet, except through the medium of your columns, as an "Enquirer," in the character of friendly controversy), "E. A. M.," or as he more frequently signed himself "Pundit," is beyond the reach, not only of the questions of "Enquirer," but of all other "would be thought to be" scientific scribblers, who have a chance to yet learn a great deal more than they have learned, on not only scientific subjects, but on gentlemanly courtesy towards others whether living or dead. I now have in my minds eye two individuals, one, who in eulogising the late "E. A. M.," (who was certainly deserving of every word of praise said of him,) took occasion to speak very contemptuously of Professor Silliman, or one of his theories, in that connection, making it utterly impossible, that the Professor should defend himself, without appearing in the unenviable position of attacking the memory of the dead, for whom, perhaps, the Professor has as great respect, as has the writer of the eulogy himself. The other, is your learned contributor, who signs himself 'F. A. H.," who, not content with the light of science alone, calls in the light of Divine Revelation, in order to prove his theory of the "fire and brimstone" origin of quartz ledges.

Now, Messrs. Editors I do not propose to either deny or assent to any part of "F. A. H's" reply to "Pundit," for the simple reason, that after twelve years practical experience in the mines of California, with, to commence on, what I then thought a pretty thorough theoretical or (as some call it) book knowledge of Geology, Mineralogy and Chemistry, I have come to the conclusion that I do not yet know half so much of any one of these subjects as I then thought I did. But with your permission, I will cite "F. A. H." to a book on the subject, which he may not yet have read, and which may shake his faith in the fire and brimstone or sulphur theory. The book to which I refer is the great hydraulic mining region or auriferous gravel deposit of this State.

The chapters with which I am the most familiar, and to which I will refer him, are, Nevada and Placer counties; and the particular verses are Quaker Hill, Sailor Flat, Hunt's Hill, Red Dog district, Chalk Bluff, the town of You Bet and adjoining mines, Waloupa, Brown's Hill, Little York and adjacent mines, Dutch Flat and the immense gravel deposit that surrounds it on all sides, Gold Run and Cold Spring Hill district, and last, but not least either in extent, richness or number of words upon words, precept upon precept, that it will offer on this interesting subject, I will name Iowa Hill, and the whole adjoining mining section between the North and Middle Forks of the American river.

And now with regard to what is recorded in nearly every one if not all of these verses: First, examine any one of the thousands of tunnels, that are run through the bed-rock (mostly slate), from the side of the hills facing the deep cañons into or under the basins containing the auriferous gravel deposits. In these tunnels we find ledges and seams of quartz, varying in thickness from many feet to the fraction of an inch, and of all colors and all degrees of hardness and compactness, from that so hard and compact as to almost defy the drill, to that so soft and fragile as to scarcely bear its own weight, being in fact a mass of delicate crystals, but slightly attached to each other, or to the wall rock on either side of the crevice or opening in the slate rock; and these delicate, fragile veins are frequently in the immediate vicinity and often cross the larger and more substantial ones. These delicate veins of quartz are oftenest found in what appears to be openings in the rock of comparatively recent date, for they seem to have been caused by the breaking down or sliding of the hill in the direction of the cañons; and this breaking down of the rock and sliding of a part of the hill, must necessarily have happened since or during the wearing and washing away of the rock that occupied the place of the cañon, as these seams are never below the bed of the cañon nor cross it. So marked is this feature, that seams of this kind, found in the bed rock, are easily traced up through the gravel deposit which overlies the bed rock. The break and slip of the different strata of gravel, sand and pipe clay, being as clearly defined as the faults in a coal vein, it frequently happening that boulders are broken apart and sometimes the bodies of petrified trees, that are often found deeply buried in these deposits, (and which, in some localities, instead of being petrified are turned to stone coal,) are broken short off. And now we come to the strangest and most interesting part of the chapter; it frequently happens that when the slide has been so slight as *not* to move the upper edge of the slipped half of the parted boulder to a position entirely below the lower edge of the half that did not slide, and more especially when the fractured faces are but slightly parted, they are often again united by a layer of quartz rock which does not extend beyond the surface of the boulder itself; and yet, further, the broken ends of the petrified log are sometimes again united in the same way. Also, timber, that has every appearance of having been partially decayed at the time of its being buried (and in which the rotten knots and worm holes are as plain as in any old log,) is often found, in which the worm holes are lined with delicate quartz crystals projecting inwards and interlacing each other, and the holes frequently filled with solid rock, no part of the timber (so far as I could judge) having the least appearance of the effect of fire or heat.

If any person wishes to examine this subject for themselves, let them go to the mines, near the town of You Bet, in Nevada county, and they can see hundreds of tons or cords if they choose, of this sort of timber, that has been sluiced out and is now lying on top of the ground, besides many other interesting facts, that I have not time here to enumerate, nor sufficient scientific knowledge to explain.

T. McA.

[Written for the Mining and Scientific Press.]

VIRGINIA CITY CORRESPONDENCE.

BY A SPECIAL CONTRIBUTOR.

Editors Mining and Scientific Press:—Brighter days seem to be dawning again upon the State of Nevada. Not only has the re-election of Mr. Lincoln, the election of an honest and able Governor, and of an irreproachable Judiciary, inspired all property-holders with confidence for the future, but the developments which are continually being made along the whole line of the Comstock augur well for the permanency of our mines. Business will, by all appearances, be very brisk during the ensuing summer; and if the speculative public will abstain from rushing blindly into "wild-cat" stock, and will confine their investments to those mines which have a legitimate title and a fair prospect of success, everything will gradually settle down upon a solid and permanent basis.

It may not perhaps be out of place in this, my first letter, to make a few remarks upon the theories which now obtain as to one or more ledges. Having, during a long residence in this city, carefully studied the geological formations, and having had the opportunity of continually investigating the developments made in the various mines along the Comstock ledge, I am forced to come to the conclusion that, wide as the vein is at surface, much as for the first 200 or 300 feet the existence of large "horses" of porphyry and clay seams may seem to point to the existence of separate and distinct ledges; yet, notwithstanding these surface indications, when I go into the lower workings of our deepest mines and see that these dividing masses are all giving out, and that the vein, assuming its true and regular dip, and narrowing down to a reasonable width, is composed entirely of quartz or other vein matter, I am forced, I repeat, to the conclusion that *along the eastern slope of Mount Davidson and the elevations adjoining it, there is but one, and only one, ledge.* This opinion I know is totally at variance with that entertained by a large portion of the community; but "to this conclusion must they come at last," even though it should take, as it probably will in Gold Hill, a depth of 1,000 or 1,500 feet to prove it. The fact is, that so long as stockholders in wild-cat claims, led on by the false statements of unscrupulous trustees and superintendents, will continue to furnish money for purposes of litigation, so long will the plainly demonstrated fact of one ledge be attempted to be ignored, and "jumping" companies will endeavor to establish their thieving titles on the appearance of the vein as "seen shallow," utterly regardless of the developments made hundreds of feet below their coyote holes by the rightful owners whose locations they invade. I write upon this disputed question because it is one which, while of such vital importance to the mining interests of this place, has only of late, when the various workings have attained a depth sufficient to demonstrate clearly the existence of one or more ledges, enabled all unprejudiced minds to come to a practical conclusion on the subject.

It is my intention, in a future letter, to attempt to give a list of those mines which are considered by the most competent judges to have an indisputable title to the ground they hold, and which, however much they may be harassed and pestered by jumping claims, will nevertheless eventually establish beyond all question, and beyond all fear of interruption, their inalienable right. As this, however, is a statement which will require some time and care in its preparation, I will defer it for the present.

I have no new discoveries to record within the last few days. The pay ore in the Hale & Norcross has not turned out as well as was expected; but I have no doubt whatever but that at a greater depth the mine will become permanently and profitably productive. The fact of its being situated between the Chollar and Potosi on the one side, and the Savage on the other, speaks well for its chances of success, especially when we consider that it is a location of only 400 feet. It is a great pity, however, that the shaft is sunk so far to the west, as they are obliged to sink all the time in hard country rock, every foot in depth carrying them nearly the same distance further from the lode. The Chollar is developing fine bodies of ore, and I confidently expect, ere long, to see this enter the list of dividend-paying mines. Of its neighbor, the Potosi, but little can be learned, pending the decision of Judge Mesick in the lawsuit between it and the Bajazet. If rumor, however, can be believed, it is one of the richest mines in the State. If the Chollar and Potosi stockholders will mutually consent to drop all imaginary differences, and each be content with what they have, a long career of prosperity awaits them both, assuming, of course, that their troublesome parasite above mentioned is at once and forever effectually "squelched." Nothing of any value has been struck as yet in the Sierra Nevada, but the indications in drifting east are of a very favorable character. Patience and perseverance will, without doubt, meet their reward in time. The water is not out of the Central shaft yet, so that the Ophir people are still waiting to know what they have got. If it should prove to be a vein of pay ore (and by this irruption of water it must be a vein of some kind,) it would help this place wonderfully.

Virginia City, Nov. 22, 1864.

Copper Ore Shipment.—The British ship *Magellan* is lying at North Point dock, taking in a cargo of copper ore, to be discharged at Swansea, Great Britain. She will carry hence over 1,000 tons, and the shippers calculate that it will bring them about $80 per ton at Swansea.

[Written for the Mining and Scientific Press.]

Cement Manufactory at Benicia.

On the road from Vallejo to Benicia the hills are covered either with loose boulders or outcroppings of veins of hydraulic lime, commonly called "Cement Rock." These are collected and carried to the Cement Works for about four dollars per ton. If the proper kind of stones are used, the cement manufactured therefrom is far superior to that commonly imported here from the Eastern States. With Mr. Winkle, the President and manager of the Pioneer Cement Company, I visited their works, which are situated on the bay shore about two miles below Benicia, where the company have built a wharf to a depth of water sufficient to admit any kind of vessel to load alongside.

The works consist of two large draw kilns, capable of burning about 500 barrels per day. They use coke and coal screenings. After the rock is burnt, it is broken in an iron breaker, and from there carried by elevators to the mill, which consist of an ordinary pair of burr stones, and is capable of grinding from 80 to 100 barrels per day. This finishes the operation of making cement. It is then packed in barrels and sent to San Francisco and a market. Heretofore all the Cement used in this State was imported from the Eastern States or from Europe, and was held sometimes as high as $8 to $12 per barrel. There are still parties here who import some from abroad, but I am sure they will gradually give it up, as the article manufactured in Benicia is far preferable to the imported. I enquired of several bricklayers which they prefered—the Benicia or Eastern cement, and found that they entertained strong prejudice against the home made article, which they asserted *sets too quick.* I should think that this fact spoke rather in favor than otherwise. I understand that in order to suit the taste of those who use the cement the manufacturers here have to mix the best Cement Rock with an inferior mixture of shell and clay, which of course does not improve the quality but satisfies the consumers, and also the manufacturers as they can produce the latter article cheaper.

I am sure that by the proper selection of the rock we can obtain here better cement than any imported and at less expense, and whenever the City of San Francisco builds up the so often projected water-front, they will find in the Benicia cement as good an article as will be required for the purpose. It is a matter of no little importance that we here have one more article of California production, for which large sums of money have heretofore been sent abroad. The manufacture of cement will not only be a remunerative undertaking to the company but also to the consumers, who will get a better article at less cost.

J. Mosheimer.

Electoral College.—The California Presidential Electors—Messrs. Samuel Brannan, J. G. McCallum, W. W. Crane, Charles Maclay and Warner Oliver—will meet at Sacramento on Wednesday, the 7th day of December, to prepare their votes for the Electoral College, and select one of their number to go to Washington with the important commission. Mr. Brannan will probably be awarded the honor of carrying California's endorsement of Abraham Lincoln to the Federal sent of government.

The Mining Survey on the Comstock ledge, to which we alluded at some length last week, it would appear from the following, which we clip from the Gold Hill *News*, is in full progress:—"We notice that the "Mining Survey" spoken of in these columns about ten days ago, is actively progressing, and that a first section of the plan, including the Daniel Webster, Buckeye, and other valuable mines in the vicinity of Silver City, will be in the hands of the engraver in course of the ensuing week. Superintendents and managers who desire to have their property noticed, should lose no time in communicating their intention to Captain Burgoyne, at Silver City, or to the Chief in the field, as the survey is progressing rapidly, and the primary triangulating will be completed within ten or fifteen days at farthest."

VIRGINIA CITY, UNDERGROUND.

Few, even among the residents of Virginia itself, above ground, have more than a very vague idea of the extent of the thoroughfares meandering in almost every direction hundreds of feet beneath the streets of that city. The "local" of the Territorial *Enterprise*, has been taking a stroll through those underground ways, and writes of them as follows :—

Few think, as they walk the busy streets of our town, that beneath their feet are streets almost as busy; that far down in the ever present midnight of the foundations of the mountains are crowds of men toiling as toil those above for gold and for bread. Many things to gratify the eye and afford food for the mind may be met with during a stroll through our streets above—our bright sunlit streets; let none conclude that there is nothing to be found to please the sight or excite reflection in our streets below—our dark night locked streets. Descending at the Chollar works, by a perpendicular shaft over four hundred feet in depth, one may wander off in almost any direction. By two or three different roads we might travel eastward nearly half a mile, finally coming out to the light of day in the southeastern suburbs of the city, among mills and miners' cabins; but we will take another course. Leaving the village of the Chollarites, we travel northward. Along the sides of the narrow streets are glimmering lights—some twinkling far ahead like distant stars, and others flashing suddenly upon us as we turn the corners with a blinding affluence of light. As we proceed on our journey we meet with many picturesque groups of miners at their labors. Here they are delving out chambers in the precious silver rock, and there hoisting into place the stout timbers that are to support the mountain and the city above. We pass through roomy caverns, whose space robs our candles of light, and in whose walls yawn dark galleries, leading we know not whither, and about and within whose black portals cubic pyrites and brilliant quartz crystals flash back the light of our candles in a thousand merry, glow-worm twinkles. After passing through the subterranean villages of divers mining companies, we come to the thriving settlement of the Savage people. Having halted in their hospitable hamlet long enough to hear the latest underground news, and to make some inquiries relative to our road to the next village, the home of the Gould & Curry tribe, we take our leave and pursue our journey. Of course we see many wonders, meet with numerous adventures, and encounter more than one solitary traveler—but not a "solitary horseman"—walk on the brink of more than one yawning chasm, and experience numerous and mixed sensations, but finally reach the Gould & Curry clan in safety. We find them quite a civilized people. Although more than four hundred feet below the streets of the city, we here find a large building with a huge steam-engine in it, puffing away as comfortably as though there was no surface to the earth, with green trees, singing birds and the bright sun shining upon all and everywhere. We enter the building, take a seat, sip a glass of champagne, light a cigar, and as we watch its curling smoke mingling with the white wreaths of steam from the hissing engine, wonder whether we are really within the earth or upon it. Lamps are burning upon the walls, persons are passing through the room in which we are seated are going down stairs, coming up stairs, bustling in every direction—a new face each minute. We appear to have stumbled upon the gnomes. We find in passing through the village that the people here have railroads running in every direction, and—as in the world above—have to clear the track for the rushing trains that, with fiery eyes, dart wrathfully out from dark and lonesome roads. With a "whiz" the cars fly past us and speed away down along what seems one of the dreary lanes to Satan's sooty kingdom—a bye-way leading straight into the centre of his smoky capital. About us we occasionally hear the splashing of water, mingled with creaking sounds and pass through places where air strikes damp and cold upon our cheeks to enter where it is hot and stifling. Suddenly peals of thunder burst over our heads, and every gallery and cavern echoes its roar. Our nerves are soon quieted for we know that the noise was but the discharge of a ton or two of ore through some of the chutes above. There are inhabitants far above us toward the surface of the earth—the place is like a huge ant hill. Again upon a sudden our ears are rent by an explosion—above, below—somewhere, which causes us for moment to suppose that the earth has burst in its center and is no longer a thing of substantiality. We know that it was but a blast which thus caused the whole place to shudder, and smile at our late nervousness. There are many roads leading from the Gould & Curry, and we might travel half a mile in several directions, but we will continue our journey northward and rise to the surface at the works of the Best & Belcher, through a shaft some four hundred feet in depth. Here we land nearly one mile north of where we descend. Our underground highways are being extended daily in every direction, and will soon be connected with those of Gold Hill mines, and these again with those of American Flat. In a very few years more there will be miles on miles of these subterranean streets, meandering under and running from one to another of our cities.

Laces and the Love of them.

A lady who does not care for laces is a phenomenon. They have been in vogue with the sex for at least four hundred years, and amid all the mutations of fashion, have never lost their prestige as a speciality of the aristocratic toilet. Puritanism, Quakerism, Methodism have decried and denounced them in vain, and sumptuary laws aiming at their restriction to a privileged few have proved a dead letter. Strange to say, the world is indebted for some of the costliest of its fabrics to a class vowed to perpetual abstinence from the vanities of the flesh. The nuns of the middle ages introduced guipure, and in fact almost up to the time of the Reformation the nunneries were the principal lace and embroidery factories. The fair devotees for a long period limited their labors to the production of cobweb robes for the images of the Saints, but eventually they exercised their vestal fingers in the fashioning of veils, etc., for the adornment of queens and noblewomen. Sometimes, so slow was the process of manufacture, it took two or three generations to complete a robe for the Virgin Mary. When the delicate film-work dropped from the hands of the superannuated Sister who had spent a life time in its elaboration, it was caught as reverently as if it had been a prophet's mantle by some younger member of the order, who in turn growing old and blind, transmitted it to another; so that the grand cathedrals and stately towers of medieval Europe were constructed in less time than its thread lace veils and mantles. The lace ruffs of Queen Elizabeth's reign were an abomination in the eyes of the pious fathers of the Reformation; but "Good Queen Bess" thought they became her stiff figure and vixen face, and she piled them, one above another up to her royal ears, in utter contempt of the ecclesiastics. An author of that day, referring to the Elizabethian style of wearing ruffs, says they were placed gradatim, one beneath the other, and underneath all the master-devil ruff, wrought all over with needlework."

Lace making is not now the tedious work that it was a few centuries ago; but even yet the finest laces are all manufactured by hand, and rare specimens are worth almost fabulous prices. The Empress Eugenie has a shawl of point d'Alencon, for example, valued at $3,000, a piece of toilet drapery of the same material worth $5,000, and a complete dress of dentille royale for which the figure was $7,500. From one to two thousand dollars have frequently been given for a lace bridal robe in this land of republican simplicity, and we presume that since Shoddy became lord of the Asceudant, still more expensive fabrics have been imported to meet the exigencies of the feminine members of his illustrious clan.

CAST STEEL IN BOILERS.—The employment of cast steel is every day extending, and often with advantage. In 1859 Herr Kohn, a German engineer, placed in a boiler 40 feet in length, made of plates 11 millimetres thick, a sheet of steel only 5½ millimetres thick. This sheet, which was placed near the furnace, was found, after two years and a half of very sustained work, in a perfect state of preservation, while the neighboring sheets of iron plates had suffered greatly. The steel plate bore, besides, no incrustation, a result which was attributed to the more rapid action of the water on coming in contact with it. Experiments made in this direction have not, however, always proved successful. Thus the Austrian railway company had six locomotives made with boilers of cast steel. The working of these engines were not satisfactory, the fire-boxes displaying alarming rents after a short time. The Austrian railway company is, however, determined to persevere with further experiments.

ANOTHER NEW ENGLISH STEAM ENGINE.—A new steam engine has been invented by Messrs. Martin & Hodgson, of Manchester, England, which has two pistons in each cylinder on a vibrating shaft, just as a door swings on its hinges. Motion is communicated from the cylinder shaft to the screw shaft by means of levers and connecting rods. This engine, or its principle, was designed by Captain Ericsson many years ago. The Princeton frigate had two, and drawings of them can be found in "Stuart's Naval and Mail Steamers of the United States."

KILLED BY THE CARS.—A little boy named Richard H. King was accidentally run over and killed by the cars on Howard street in this city, on Monday last.

Changes Occurring During Germination of Plants.

When a seed is placed in the soil under favorable circumstances, it becomes the seat of an important series of chemical changes, which result in the production of the young plant. Experiment and observation have shown that heat, moisture and air, are necessary to the production of these changes, and though probably not absolutely essential, the absence of light is favorable in the early stages. The temperature required for germination varies greatly in different seeds, some germinating readily at a few degrees above the freezing point, and others requiring a tolerably high temperature. The rapidity with which it takes place appears to increase with the temperature; but this is true only within very narrow limits, for beyond a certain point heat is injurious, and when it exceeds 120° or 130° Fahrenheit, entirely prevents the process. The presence of oxygen is also essential, for it has been shown that if seeds are placed in a soil exposed to an atmosphere deprived of that element, or if they be buried so deep that the air does not reach them, they may lie without change for an unlimited period; but so soon as they are exposed to the air, germination immediately commences. Illustrations of this fact are frequently observed where earth from a considerable depth has been thrown up to the surface, when it often becomes covered with plants not usually seen in the neighborhood, which have sprung from buried seeds. When all the necessary conditions for germination are fulfilled, the seed absorbs moisture, swells up, and sends out a shoot which rises to the surface, and a radicle which descends—the one destined to develope the leaves, the other the roots, by which the plant is afterwards to derive its nutriment from the air and the soil. But until these organs are properly developed the plant is dependent on the matters contained in the seed itself. These substances are mostly insoluble, but are brought into solution by the atmospheric oxygen acting upon the gluten, and converting it into a soluble substance called diastase, which in its turn reacts upon the starch, converting it first into dextrine, and then into cellulose, and the latter is finally deposited in the form of organized cells, and produces the first little shoot of the plant. At the first moment of germination, the oxygen absorbed appears simply to oxydize the constituents of the seed, but this condition exists only for a very limited period, and is soon followed by the evolution of carbonic acid, water being at the same time formed from the organic constituents of the seed, which gradually diminishes in weight. The amount of this diminution is different with different plants, but always considerable. Boussingault found that the loss of dry substance in the pea amounted in 26 days to 52 per cent., and in wheat to 57 per cent. in 51 days. Against this, of course, is to put the weight of the young plant produced; but this is never sufficient to counterbalance the diminished weight of the seed, for Sussure found that a horse bean and the plant produced from it weighed, after 16 days, less by 29 per cent. than the seed before germination. The same phenomenon is observed in the process of malting, which is in fact the artificial germination of barley, the malt produced always weighing considerably less than the grain from which it was obtained. It was believed by Saussure, and the old investigators, that the carbonic acid evolved was entirely produced from starch and sugar; and as these substances may be viewed as compounds of carbon and water, the change was very simply explained by supposing that the carbon was oxydized and converted into carbonic acid and its water eliminated. But this hypothesis is incapable of explaining all the phenomena observed; for woody fibre, which is one of the chief constituents of the young plant, contains more carbon than the starch and sugar from which it must have been produced, and we are, therefore, forced to admit that the action must be more complicated. There is every reason to believe that the nitrogenous constituents of the seed are most abundantly oxydized, for they are remarkably prone to change; but the action of the air is not confined to them, and it appears most probable that all the substances take part in the decomposition, and the process of germination may in some respects, be compared to decay or putrefaction, which, like it, is attended by the absorbtion of oxygen and evolution of carbonic acid; but while in the latter case the residual substances remain in a useless state, in the former they at once become part of a new organism.

Changes occurring during the after-growth of the Plant.—When the plant has developed its roots and leaves, and exhausted the store of materials laid up for it in the seed, it begins to derive its substance from the surrounding air, and to absorb carbonic acid, water, ammonia, and nitric acid, and to decompose and convert them into the different constituents of its tissues. These changes take place slowly at first, and more rapidly as the organs fitted for the elaboration of its food are developed. The roots and the leaves are equally active in performing this duty, the former absorbing the mineral matters along with the carbonic acid, ammonia, nitric acid, and moisture in the soil, or the manure added to it, the latter gathering the gaseous substances existing in the air. —*Rural American.*

Poisoning of Water by Lead Pipes.

Professor A. Dussance, of New York, has recently made a series of experiments on the action of several different kinds of water on lead, under the various conditions. The lead subjected to the action for twenty days, and the experimenter draws the following :—

1. That distilled water has no action whatever on lead by three days of contact; after that time this dissolving action begins. 2. That the lead is dissolved by distilled water in proportion increasing every day; the distilled water exposed to the open air dissolves more of this metal than distilled water in close vessels, or than distilled water deprived of air and gas. 3. That creek water, containing small proportions of lime, has no action on lead. 4. That distilled water containing 1-3500th of a salt in solution, prevents the dissolving action of the water on lead. 5. That water dissolves lead till the saturating power of the acid is exhausted. 6. That, in ferruginous water, all of the iron is precipitated by lead; then lead pipe must not be used to convey mineral waters. This fact has never been noticed before. To render these facts more interesting, another series of experiments must be made to ascertain the quantities of lead dissolved daily in the water, and what compound it forms, and to see if the action will be the same in the lead pipes.

Among all the dangers arising from carelessness, the public may not be aware, that there is great danger in the careless use of even hydrant water. That water, impregnated with any preparation of lead, cannot be safely used for culinary purposes, even in cases where the lead is present in too small a proportion to produce any immediate injury, is well known. Lead, says Professor Aiken, of New York, like some other poisonous agents, when taken in minute successive doses, will remain in the system, apparently inactive, until a certain amount accumulates; then, suddenly, a series of alarming symptoms will supervene, often resulting in death. An occurrence of this kind was recently brought to my notice by one of my professional friends, who was called upon to prescribe for several members of the same family, all apparently suffering from the peculiar action of lead. In one of the cases the result was fatal—the others, after much suffering, slowly recovered. A portion of the water supposed to have been instrumental in producing the difficulty, was brought to me for examination, and carefully analyzed, and found to contain lead in the proportion of 0.028 gr. to the gallon of water. This very minute quantity, very little exceeding the 0.001 gr. to an ordinary tumbler full of water, taken at intervals, somewhat regularly, seems to have accumulated until the poisonous action of the metal was developed. The whole difficulty seems to have arisen from the occasional use of water taken from a hydrant stop that was not in regular and frequent use; the water in a portion of the lead pipe being thus allowed long continued contact with the metal in the immediate vicinity of the stop. The simple precaution hereby indicated, and one that cannot be neglected with safety, is to allow the first discharge of water from any hydrant stop to run to waste, and not to collect any for culinary purposes until we are sure that all the previously stagnant water in the lead pipe has wholly escaped. And it would be better, in general, to resort to the yard hydrant for water required for drinking or preparing food—the lesser length of lead pipe there in use diminishing the danger. But even there the water first discharged in the morning should be thrown away—*London Mechanics' Magazine.*

THE RESULT SUMMED UP.—The election returns show that even had the whole Southern Confederacy cast its vote for McClellan, his election would not have been secured. The vote of the electoral college chosen is 234. Of this number, 118 elects. Lincoln and Johnson have received 213 of the whole number, and McClellan 21. The Union majority for Lincoln is therefore 192.

GREASED STEAM.—An advertiser in a foreign mechanical journal makes use of the following language in puffing a new oil cup: "The above lubricators grease every particle of steam previous to its passing through the valves into the cylinders." We have heard of greased lightning, but greased steam is a decided novelty.

A CALIFORNIA STOCK BOARD IN NEW YORK.—We understand that active measures have been taken in New York to start a California stock board in that city. The first session of the board was held on the 29th of November.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

SAN FRANCISCO, SATURDAY MORNING, DEC. 3d, 1864.

An almost unceasing fall of rain the past week has somewhat interfered with business in financial and stock circles, and transactions have been unusually light. The storms throughout the interior have interrupted communication, preventing the regular receipt of advices, and delaying shipments of treasure to this city. Telegraphic communication has also been suspended with Nevada, and we are without our usual information from a number of mines.

Receipts of treasure from the country since Saturday last have amounted to less than $600,000. The supply of bullion was, however, ample yesterday for shipping purposes, and gold bars were ruling at about 840@850. Silver commanded about 1 ℔ cent. premium for bars of a fair degree of fineness. Ordinary parcels ranged at ½ ℔ cent. premium to 2 ℔ cent. discount.

The money market presents no new feature, and rates are ruling at 1½@2 ℔ cent. per month in bank. Capital is abundant, and is likely to continue so during the winter. Our exports of treasure since January 1st have amounted to some $53,000,000, and are $10,000,000 in excess of a corresponding period last year.

Leading stocks have been moderately dealt in, but are well maintained. Little or no speculation is apparent; but we do not observe, on the other hand, much disposition to sell at present quotations. Most holders seem to have faith in the future yield of prominent claims, and evince no anxiety to part with their stock. Speculative shares have been subjected to the usual fluctuations, but were rather less active.

City stocks, with scarce an exception, seem to be in better request. California Steam Navigation Co. is enquired for at 75 ℔ cent. ($750 per share). Spring Valley Water Co. is held at 70 ℔ cent. on amount paid in (equal to $275 per share), and State Telegraph is offered at $40 per share. State, city and county bonds are, for the most part, held with firmness, at advanced rates.

Legal Tender Notes have been sold to the extent of $57,500, within a range of 46c, s. 30, to 49c, and close at 48c bid, 49c asked. The latest telegraphic advices from the East quote gold in New York at about 222 on the 28th inst.

Savage continues inactive and 10 feet were sold at from $1,800 to $1,830, buyer 30. A dividend of $75 per foot, it is expected, will be declared to-day, for the month of November, leaving a surplus in the treasury of the company.

Gould & Curry opened at $1,560, rose to $1,610, buyer 10, receded to $1,585, and closed at $1,600, 31 feet changing hands within this range. The company's receipts of bullion the past month averaged $8,000 per day, making an aggregate of some $240,000. A large quantity of fair ore has been accumulated at the mill, and the daily yield of the mine during the month of November exceeded, it is said, 150 tons, in addition to which about 250 tons, worth $150 to $200 per ton, were sent to Dall's Mill. The treatment of ores at the company's mill is now very satisfactory and is less expensive than formerly. At this writing, nothing definite has been determined upon, as to the dividend for the past month.

Challar has been dull and small sales were made, advancing to $1,060, buyer 30, receding to $1,025, and held yesterday at about $1,050. The hoisting apparatus of the company is in successful operation and from 150 to 170 tons of ore is daily being brought to the surface. Additional mills have been employed and the net revenue is now applied to the dividend account. A dividend of $50 per foot is confidently anticipated for the month of November.

Yellow Jacket is in rather less favor and 36 feet were sold, opening at $935, receding to $850, seller 60, rallying to $900, seller 30, selling yesterday morning at $850 cash and $850 seller 60. We have no direct intelligence from this claim this week, but learn that it is looking very well. A number of mills are at work crushing ore for the company and considerable shipments of bullion were made last month.

Potosi is much weaker; sales were made at the close at $710@$725, buyer 10 days.

Belcher is held at about $800. This company are now extracting ore and anticipates no further difficulty with water in the lower drifts.

Empire Mill & Mining Co. was sold at $525 per share, and was offered yesterday at $550. The receipts of bullion for November have been up to the usual average of the past few months, and a dividend of $25 per share will probably be declared to-day.

Ophir fell from $315 to $400, rose to $435, and closed at about $420 bid, $430 asked. 18 feet were sold. Some 100 feet of water remains in the central shaft. The new mill on the Carson is at work upon third-class ore, reducing about 30 tons per day.

Hale & Norcross has declined from $445 to $400, at which latter rate it was offered yesterday. 19 feet changed hands.

Uncle Sam has been actively dealt in, at declining rates. 36 feet were sold, receding from $200 to $140, rallying to $150, and closing yesterday at $150. The affairs of the company are shrouded in such mystery that little or no information can be obtained from official sources. We are told that efforts are being made to depress the stock, for some ulterior purpose; but do not vouch for the correctness of this statement.

Imperial has met with a material decline, and 463 shares were sold, dropping from $140 to $123, rallying again to $140, then receding to $122, and closing at about $126 bid.

Bullion has been dealt in to the extent of 142 feet, within the range of $170@155, and selling yesterday at $160@162.

Nevada (J. G.) was active at fluctuating rates, but is now firmer. 329 shares changed hands, advancing from $59 to $65 (assessment of $10 delinquent), falling to $54, seller 30, advancing to $70, and closing at about $75, buyer 30.

Burning Moscow has been rather more steady, and 1,785 shares were sold, at rates ranging from $49, seller 30, to $65, and closing yesterday at $55½.

Sheba fluctuated but little, and 287 feet were sold, dropping from $18 to $15, and rallying to about $19. The assessment of $30 per foot, levied on the 25th ult., will be required to cancel the liabilities of the company to the 1st inst., which now amount to some $50,000.

Wide West rose to $22, fell to $15, and rallied to $17; Bajazet and Golden Era rose to $35, buyer 30; Daney was sold at $22; Buckeye at $6, and Baltic at $28. Burnside rose from $4 to $7½, and Overman was sold at $70 and $75.

The total sales of stocks and Legal Tender Notes since Saturday last amount to $398,461.75.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, November 26.

$ 5,000 Legal Tender Notes at 48¾ per cent, stmr day.
$ 5,000 Legal Tender Notes at 48¾ per cent, s 15,
$ 5,000 Legal Tender Notes at 49½ per cent, 15 days.
$10,000 Legal Tender Notes at 50 per cent, Dec 15.
1 sh Savage at 1790 per foot.
2 shs Savage at 1790 per foot, r w.
8 shs Gould & Curry at 1570 per foot.
5 shs Yellow Jacket at 935 per foot.
1 sh Uncle Sam at 200 per foot.
40 shs Sheba at 18 per foot.
30 shs Sheba at 16 per foot.
40 shs Sheba at 15 per foot.
20 shs Sheba at 17 per foot.
20 shs Sheba at 16 per foot, s 30.
40 shs Sheba at 19 per foot, b 30.
5 shs Imperial at 135 per share.
5 shs Sierra Nevada at 45 per share, b 10.
70 shs Sierra Nevada at 43 per share.
5 shs Sierra Nevada at 42 per share, b 10.
10 shs Wide West at 22 per share.
65 shs Wide West at 22 per share, r w.
35 shs Lady Bryan at 1¾ per share.
5 shs Nevada, J. G., at 57 per share.
20 shs Bullion, G. H., at 162½ per share, s 30.
15 shs Bullion at 171 per share.
2 shs Bullion, G. H., at 170 per share.
25 shs Burnside at 4½ per share, s 30.
5 shs Mount Davidson at 1¾ per share.
5 shs Baltic at 28 per share.
20 shs Bajazet & Golden Era at 10 per share.
10 shs Caledonia Tunnel at 17 per share, r w.
10 shs Caledonia Tunnel at 16½ per share.
50 shs Burning Moscow at 63 per share.
20 shs Burning Moscow at 63 per share, r w.
60 shs Burning Moscow at 62 per share.
30 shs Burning Moscow at 61 per share, s 10.
10 shs Burning Moscow at 60 per share, s 10.
20 shs Burning Moscow at 62 per share, r w.
20 shs Burning Moscow at 65 per share, b 30.
10 shs Burning Moscow at 60½ per share, s 15.
20 shs Burning Moscow at 60 per share, 30 d.
10 shs Burning Moscow at 63 per share, r w.
50 shs Burning Moscow at 62½ per share.

AFTERNOON SESSION.

6 shs Gould & Curry at 1570 per foot.
4 shs Gould & Curry at 1560 per foot.
2 shs Hale & Norcross at 430 per foot.
14 shs Hale & Norcross at 425 per foot.
20 shs Sheba at 18 per foot.
60 shs Sheba at 17 per foot.
40 shs Sheba at 16½ per foot.
25 shs Imperial at 125 per share, s 30.
20 shs Imperial at 130 per share, s 30.
10 shs Imperial at 135 per share.
5 shs Imperial at 132½ per share.
5 shs Daniel Webster at 25 per share.
7½ shs Nevada, J. G., at 59 per share.
30 shs Wide West at 21½ per share.
20 shs Bajazett & Golden Era at 10 per share, s 30.
30 shs Burning Moscow at 61½ per share.
30 shs Burning Moscow at 61 per share.
20 shs Burning Moscow at 58 per share, s 10.
10 shs Burning Moscow at 61 per shares, b 16.
Amount of sales.....$83,897 25

Monday, November 28.

12 shs Ophir at 415 per foot.
5 shs Uncle Sam at 210 per foot, b 30.
1 sh Uncle Sam at 195 per foot, s 30.
2 shs Uncle Sam at 195 per foot.
1 sh Uncle Sam at 190 per foot, r w.
4 shs Gould & Curry at 1570 per foot.
8 shs Hale & Norcross at 425 per foot.
4 shs Hale & Norcross at 425 per foot, r w.
4 shs Challar at 1035 per foot, b 5.
25 shs Sheba at 17 per foot.
34 shs Burnside at 5 per share.
6 shs Burnside at 5¼ per share.
20 shs Burnside at 5¼ per share.
20 shs Burnside at 5½ per share.
10 shs Imperial at 125 per share, s 30.
10 shs Imperial, 125 per share.
10 shs Imperial at 125 per share, s 30.
20 shs Nevada, J. G. at 65 per share.
30 shs Nevada J. G., at 55 per share, s 5.
40 shs Burning Moscow at 60 per share.
10 shs Burning Moscow at 59 per share.
10 shs Burning Moscow at 58 per share, r w.
10 shs Burning Moscow at 57½ per share.
25 shs Burning Moscow at 57 per share.
30 shs Burning Moscow at 57 per share, r w.
20 shs Burning Moscow at 58 per share.
10 shs Burning Moscow at 58 per share, b 2.
$ 5,000 Legal Tender Notes at 49 per cent, s 10.

AFTERNOON SESSION.

3 shs Ophir at 400 per foot.
42 shs Ophir at 415 per foot.
4 shs Gould & Curry at 1570 per foot.
4 shs Gould & Curry at 1580 per foot.
4 shs Gould & Curry at 1575 per foot.
3 shs Uncle Sam at 185 per share.
20 shs Sheba at 17 per share.
14 shs Burnside at 6¼ per share.
2 shs Burnside at 6½ per share.
15 shs Imperial at 125 per share, s 30.
10 shs Imperial at 125½ per share, s 30.
35 shs Imperial at 127 per share, s 30.
5 shs Imperial at 129 per share.
10 shs Nevada, J. G. at 65 per share, b 5.
25 shs Burning Moscow at 58 per share.
10 shs Burning Moscow at 58 per share, r w.
65 shs Burning Moscow at 52¼ per share, s 30.
10 shs Burning Moscow at 60 per share, r w.
50 shs Burning Moscow at 59 per share.
5 shs Burning Moscow at 59 per share, r w.
$ 2,000 Legal Tender Notes at 49 per cent.
Amount of sales.....$ 52,120 50

Tuesday, November 29.

12 shs Ophir at 420 per foot.
24 shs Gould & Curry at 1600 per foot.
4 shs Gould & Curry at 1590 per foot, r w.
12 shs Challar at 1060 per foot, b 30.
5 shs Yellow Jacket at 850 per foot, s 60.
20 shs Sheba at 17 per foot.
19 shs Caledonia Tunnel, of 16½ per share.
25 shs Summer, Kern River, at 20 per foot.
20 shs Wide West at 15½ per share.
10 shs Wide West at 15½ per share, b 6.
20 shs Wide West at 15½ per share, b 10.
60 shs Wide West at 15½ per share.
10 shs Bullion, G H., 165 per share.
10 shs Buckeye at 6 per share.
10 shs Imperial at 130 per share.
5 shs Imperial at 134 per share.
20 shs Imperial at 135 per share.
10 shs Burnside at 7¼ per share.
10 shs Burnside at 7½ per share, b 30.
20 shs Burnside at 6¾ per share, s 30.
3 shs Nevada, J. G., at 61 per share.
10 shs Burning Moscow at 57½ per share.
10 shs Burning Moscow at 57 per share, r w
20 shs Burning Moscow at 57 per share.
10 shs Burning Moscow at 56½ per share.
10 shs Burning Moscow at 56 per share.
5 shs Burning Moscow at 56 per share, r w.
10 shs Burning Moscow at 55 per share, s 5.

AFTERNOON SESSION.

24 shs Ophir at 445 per foot.
80 shs Sheba at 20 per foot.
20 shs Sheba at 18 per foot, s 20.
3 shs Imperial at 140 per share.
2 shs Imperial at 133 per share.
6 shs Imperial at 135 per share.
66 shs Imperial at 136 per share.
10 shs Imperial at 140 per share, b 30.
40 shs Wide West at 17 per share.
3 shs Wide West at 16½ per share.
10 shs Wide West at 16 per share, s 30.
10 shs Wide West at 17½ per share, b 10.
30 Burnside at 7½ per share, b 30.
50 shs Burnside at 6¾ per share.
40 shs Barnside at 7¼ per share, b 30.
5 shs Overman at 75 per foot.
5 shs Buckeye at 6 per share.
20 shs Burning Moscow at 55 per share.
5 shs Burning Moscow at 54½ per share.
10 shs Burning Moscow at 55½ per share.
10 shs Burning Moscow at 56 per share.
Amount of sales.....$61,833 00

Wednesday, November 30.

36 shs Ophir at 430 per foot.
24 shs Ophir at 427½ per foot.
4 shs Hale & Norcross at 425 per foot.
1 sh Yellow Jacket at 900 per foot, s 30.
5 shs Yellow Jacket at 850 per foot, s 60.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct	U. S. Treasury	1864	
Legal Tender Notes	48	49					
California State Bonds, 7s, 1857	76	78	3,620,500			1867	
San Francisco Bonds, 10s, 1851		105	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		105	170,500	Jaauary and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	62	64	1,133,500	Jaauary and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds, 7s, 1862	72	74	300,000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds	38	40	1,416,000				
Sacramento County Bonds, 6s	43	50	440,000				
Marysville Bonds, 10s	75	77					
Stockton City Bonds		—	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ℔ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	75	77	2,500	$1,000		2 ℔ ct. ℔ month on capital stock.	Dividend of 3 ℔ ct. paid Oct. 15.
State Telegraph Co	—	40	25,000	100		$1 ℔ share quarterly	
San Francisco Gas Co	74	78	20,000	100		1 ℔ ct. ℔ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ℔ ct. ℔ annum on capital stock	
San Francisco City Water Works	48	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	65	70	3,000	1,000	$450		Assmn't of $10 ℔ sh levied Nov. 4.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ℔ share ℔ month	
Sacramento Valley Railroad Co	20	30	8,000	100	$100		
Omnibus Railroad Co	110	—	10,000	100	41 ℔ cent.—$41.	½ ℔ ct. ℔ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ℔ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ℔ cent.—$38.		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ℔ cent ℔ month	Dividead payable May and Nov;
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co	—		20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	118		7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ℔ cent ℔ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ℔ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ℔ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ℔ cent ℔ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co			4,000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	¼ ℔ ct. ℔ month on capital stock	39th dividend paid.

1 sh Yellow Jacket at 880 per foot, s 30.
40 shs Daney at 21 per foot.
4 shs Gould & Curry at 1590 per foot.
4 shs Gould & Curry at 1610 per foot, b 10.
12 shs Gould & Curry at 1590 per foot.
4 shs Gould & Curry at 1590 per foot, b 5.
20 shs Sheba at 19 per foot.
30 shs Sheba at 18 per foot.
2 shs Empire M. & M. Co. at 525 per share.
5 shs Wide West at 17⅛ per share.
10 shs Wide West at 17⅛ per share, b 5.
10 shs Wide West at 17 per share.
10 shs Nevada, J. G. at 60 per share, Monday.
10 shs Bajazet and Golden Era at 13 per share.
10 shs Bajazet and Golden Era at 14 per share.
22 shs Imperial at 133 per share.
10 shs Imperial at 132 per share.
20 shs Imperial at 130 per share.
6 shs Uncle Sam at 170 per share.
20 shs Burning Moscow at 53 per share.
45 shs Burning Moscow at 52⅝ per share.
10 shs Burning Moscow at 52½ per share, b 30.
20 shs Burning Moscow at 57 per share, b 30.
60 shs Burning Moscow at 53 per share, r w.
10 shs Burning Moscow at 49 per share, s 30.
20 shs Burning Moscow at 48 per share, s 30.
20 shs Burning Moscow at 55 per share, b 30.
20 shs Burning Moscow at 54 per share.
10 shs Burning Moscow at 53½ per share, r w.

AFTERNOON SESSION.

4 shs Gould & Curry at 1590 per foot, r w.
4 shs Gould & Curry at 1595 per foot, r w.
2 shs Hale & Norcross at 400 per foot.
6 shs Ophir at 435 per foot.
24 shs Ophir at 430 per foot, b 30.
36 shs Ophir at 425 per foot.
24 shs Ophir at 450 per foot.
35 shs Sheba at 17 per foot.
5 shs Imperial at 127 per share.
15 shs Imperial at 126 per share, s 30.
35 shs Imperial at 125 per share.
20 shs Imperial at 125 per share, s 30.
20 shs Wide West at 16 per share.
60 sh Wide West at 17 per share.
10 shs Nevada, J. G. at 54 per share, s 30.
5 shs Nevada, J. G. at 56 per share, s 30.
5 shs Uncle Sam at 155 per foot, r w.
10 shs Burning Moscow at 53 per share.
10 shs Burning Moscow at 54 per share, r w.
20 shs Burning Moscow at 54 per share.
20 shs Burning Moscow at 58 per share, b 30.
2 shs Burning Moscow at 53 per share, s 15.
30 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 56 per share, b 10.
10 shs Burning Moscow at 55 per share, s 10.
10 shs Burning Moscow at 54 per share, s 15.

Amount of sales.....$ 63,855 00

Thursday, December 1.

4 shs Gould & Curry at 1585 per foot.
4 shs Gould & Curry at 1600 per foot, b 10.
5 shs Savage at 1650 per foot, b 30.
8 shares Chollar at 1025 per foot.
12 shs Ophir at 425 per foot.
12 shs Ophir at 420 per foot, s 10.
20 shs Sheba at 18 per foot.
40 shs Sheba at 19 per foot, b 30.
10 shs Imperial at 124 per share, s 30.
2 shs Imperial at 122½ per share.
10 shs Imperial at 122 per share, s 30.
70 shs Wide West at 17 per share.
5 shs Bullion, G. H., at 161 per share.
5 shs Bullion, G. H., at 161 per share, r w.
5 shs Bullion, G. H., at 155 per share.
5 shs Bullion, G. H., at 155 per share, r w.
14 shs Nevada, J. G. at 60 per share.
10 shs Nevada J. G., at 60 per share, r w.
18 shs Bajazet & Golden Era at 17 per share.
10 shs Burnside at 5 per share.
60 shs Burning Moscow at 53½ per share.
80 shs Burning Moscow at 53 per share.
50 shs Burning Moscow at 54 per share.
10 shs Burning Moscow at 54 per share, b 5.
10 shs Burning Moscow at 51 per share, s 30.
20 shs Burning Moscow at 55 per share, b 30.
10 shs Burning Moscow at 53 per share, r w.

AFTERNOON SESSION.

12 shs Ophir at 415 per foot, r w.
1 sh Uncle Sam at 146 per foot.
5 shs Uncle Sam at 140 per foot, s 30.
1 sh Potosi at 840 per foot, b 10.
40 shs Daney at 22 per foot.
10 shs Golden Age & Empire at 9½ per share.
5 shs Daniel Webster at 26 per share.
5 shs Imperial at 126 per share.
26 shs Imperial at 125 per share.
20 shs Nevada, J. G., at 55 per share.
10 shs Burning Moscow at 54 per share.
15 shs Burning Moscow at 56 per share.
60 shs Burning Moscow at 57 per share, b 15.
50 shs Burning Moscow at 58 per share, b 30.
30 shs Burning Moscow at 65 per share.
30 shs Burning Moscow at 54½ per share.

Amount of sales.....$52,836 00

Friday, December 2.

2 shs Savage at 1800 per foot, b 30.
1 sh Yellow Jacket at 850 per foot.
1 sh Yellow Jacket at 840 per foot.
1 sh Yellow Jacket at 850 per foot, b 5.
1 sh Yellow Jacket at 850 per foot, b 10.
5 shs Yellow Jacket at 850 per foot, s 60.
20 shs Gould & Curry at $1690 per foot.
4 shs Gould & Curry at 1600 per foot, b 10.
2 shs Uncle Sam at 150 per foot.
5 shs Uncle Sam at 145 per foot, s 30.
60 shs Bajazet & Golden Era at 20@25 per share, s 30.
40 shs Sacramento, Virginia, at 10 per share.
60 shs Nevada, J. G., at 70 per share, b 30.
30 shs Nevada, J. G., at 69 per share, b 10.
5 shs Nevada, J. G., at 69 per share, b 15.
30 shs Nevada, J. G., at 67½@65½ per share.
1 shs Imperial at 125 per share.
20 shs Burnside at 6¾@7 per share.
50 shs Bullion, G. H., at 160@162½ per share.
20 shs Bullion, G. H., at 158@155 per share, s 30.
15 shs Bullion, G. H., at 167½ per share, b 30.
20 shs Wide West at 17¾ per share.
2 shs Gverman at 70 per foot.
110 shs Burning Moscow at 54½@53¾ per share.
30 shs Burning Moscow at 56 per share, b 20.
20 shs Burning Moscow at 55 per share, b 15.
$15,000 Legal Tender Notes at 46 per cent, s 30.
$ 5,000 Legal Tender Notes at 49 per cent, b 10.

AFTERNOON SESSION.

5 shs Bullion, G. H., at 60 per share.
3 shs Bajazet and Golden Era at 28 per share.
9 shs Bajazet & Golden Era at 30 per share.
5 shs Bajazet and Golden Era at 33 per foot, b 30.
10 shs Bajazet & Golden Era at 27¾ per share, s 30.
5 shs Bajazet & Golden Era at 35 per share.
10 shs Bajazet & Golden Era at 29 per share, s 30.
30 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 57 per share, b 15.
10 shs Burning Moscow at 56 per share, b 3.
30 shs Burning Moscow at 56¼ per share.
10 shs Potosi at 710 per foot, s 30.
2 shs Potosi at 720 per foot, s 30.
2 shs Potosi at 725 per foot, b 10.
4 shs Potosi at 725 per foot, s 30.
5 sh Imperial at 125 per share.
5 shs Imperial at 127 per share.
10 shs Bullion, G. H., at 161 per share.
10 shs Bullion, G. H., at 162 per share, b 10.
20 shs Sheba at 18 per foot.
30 shs Justis at 75 per share, b 30.

Amount of sales.....$ 88,920 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	B I D Per foot.	A S K E D Per foot.	Last Mon'th'y divid'd P ft.	Recent Assessments Per foot	Total Ass'ts P ft.
Baltimore American	2,600	1	2,600	$ 500 00	$ ——	$ 50 00	....	Jan 18, $5; May 31, $5.	$18 75
Battle	1,800	1	1,800	200 00	28 00	30 00	....	July 23 $6; Oct. 12, $10.	45 00
Bajazett and Golden Era	4,000	1	4,000	100 00	25 00	——	....	July 10, $5. Aug. 3, $5.	58 25
Beck & Belcher	224	4	896	500 00	200 00	300 00	....	May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	56 00	57 00	....	Jan 19, $15; June 24 $5.	56 34
Burnside	2,800	1	2,800	500 00	7 00	8 00	....	Feb 10, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	——	750 00	.... $24		
Buckeye	3,000	1	2,800	100 00	2 00	3 00	....	Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	200 00	163 00	165 00	....	Sept 13, $10; Sep 17, $10.	
California	300	12	3 600	300 00	——	——	....	July 12, $150 00	
Central	150	12	1,800	500 00	——	600 00	....	Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	100 00	8 00	10 00	....	May 25, $3; July 12, $1½	19 50
Crown Point	600	4	2,400	1,000 00	700 00	725 00	....		190 00
Chas. Caney	1,800	1	1,800	30 00	——	15 00	....	Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,400	4	5,600	800 00	1,020 00	1,040 00	....	Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	60 00	21 00	23 00	....	Sept 15, $10; Nov 7, $8.	06 00
Desert	2,200	1	2,200	100 00	——	——	....	Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	——	——	....	Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	10	1,500	500 00	——	550 00	.... $25		
Gould & Curry	1,200	4	4,800	600 00	1,580 00	1,590 00	.... $50		
Grass Valley	4,200	1	4,200	500 00	——	50 00	....	Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	330 00	400 00	....	July 18, $50; Sept. 13, $50.	425 00
Imperial	184	1	4,000	500 00	124 00	120 00	....	Dec 22, $12 50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	——	12 00	....	Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	1 00	2 00	....	July 19, $3; Nov. 1, $5.	23 25
Lucerne	1,800	1	1,800	500 00	——	——	....	Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	——	3 00	....	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	16 00	17 00	....	Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	500 00	68 00	70 00	....	July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	——	10 00	....	Aug 0.$12½; Oct 18. $12½	140 00
North American	4,100	1	4,100	300 00	25 00	40 00	....	Mar 23, $20; Sept 2 $2.	
North Ophir	1,000	1	1,600	500 00	——	——	....	Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	500 00	——	8 00	....	Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	420 00	430 00	.... $48		
Overman	1 200	1	1,200	500 00	60 00	75 00	....	July 7, $20; Nov. 19, $50.	
Potosi	1,400	2	2,800	500 00	725 00	730 00	....	Dec 9, $50.	62 00
Porter	600	1	600	500 00	——	30 00	....	Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	5 00	6 00	.... $5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	1,750 00	1,775 00	.... $75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	10 00	12 00	....	Feb 11, $4: Apr 21, $10.	
Sides	500	2	1,000	500 00	——	175 00	....	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	——	48 00	....	Mar 8, $5; May 16, $10.	96 00
Spanish No. 2	1,600	1	1,600	500 00	——	10 00	....	Mar 20, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	145 00	150 00	....	Nov 2, $50, Aug 25, $100.	163 00
Whitman	1,800	1	1,800	1,000 00	——	——	....	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	——	50 00	....	June 17, $30; Oct 6. $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	875 00	025 00	....	July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	50 00	——	....	Feb 10, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	——	——	....	Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,000	1,000 00	8 00	——	....		12 25
Falls of the Clyde	0,000	1	6,000	100 00	——	——	....	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	——	12 00	.... $5		
Nevada	600	2	1,200	250 00	——	——	....	Nov 0, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	500 00	22 00	23 00	....	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	——	7 00	....		8 25
Ural	400	1	400	500 00	——	——	....	Nov 18, $20.	
Utah	1,000	1	1,000	250 00	——	5 00	....	Jan 5. $3; Sept 20, $12½.	19 00
Wide West	2,600	1	2,600	500 00	16 00	17 00	....	May 25, $5; Nov 21, $6.	90 00

COSO DISTRICT.

Coso	26,000		3,600	600 00	——	——	....	Jan 29, $1: May 11. $1.	
Josephine	9,600	2	4,800	250 00	——	——	....	July 31, 50c; Nov 19, $1.	13 00
San Carlos			2,600	100 00	——	——	....	Apr 14, $1½; June 0, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	——	——	....	Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	——	20 00	....	J'ly 23 2.50; Sept. 17, 2½	15 85
Sheba	1,800	2	3,600	500 00	18 00	19 00	....	Aug 12, $20; Nov 25, $30.	82 35

REESE RIVER DISTRICT.

Amador	1,400					——	....	May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	——	——	....	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	——	——	....		
Oregon	800	2	1,600	300 00	——	20 00	....		1 00
Union No. 2	1,000	1	1,000	500 00	——	——	....	Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	——	——	....	June 25, $5; Nov 15, $10.	26 00
Willow	2,800		1,400	200 00	——	——	....	Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	——	——	....		
North Star	1,000	1	1,000	500 00	——	60 00	....	Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	——	——	....		1 50
Diana	1,200	1	1,200	500 00	——	——	....		1 50
Blue Ledge	1,000	1	1,000	1,200 00	——	——	....		2 00
Joe Lane	1,000	1	1,000	500 00	——	——	....	Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	——	——	....	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	——	40 00	....	Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2 200	1	2,200	1,000 00	——	——	....	Feb 10, $30; Aug 23, $10.	150 00
Sracle Guadelupe	3,000	1	3,000	1,000 00	——	——	....		9 00
San Marcial	13,200	1	13,200	100 00	——	25 00	....		
San Nicholas	1,200	1	1,200	200 00	——	——	....	Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	——	3 00	....	Jun 15, $1½; Oct 5, $1½	
Fellows	2,500	1	2,500	100 00	——	——	....		
Molones	3,000	1	3,000	50 00	5 00	9 00	....	June 30, $2½; Oct 27, 2½	
Napolcon	2,700	1	2,700	600 00	50 00	80 00	....	Feb 13, $10; Jnne 8, $5.	15 00
Triunfo, L. C.	7,866	1	7,866	200 00	——	25 00	....	June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.	Oct. 10th.	Oct. 20th.	Nov. 1st.	Nov. 10th.
Gould & Curry.....per ft.	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300	$1,380	$1,610	$1,650	$1,335
Ophir	1,200	825	920	850	720	725	670	425	450	500	490	460	300	350	455	455	415	435
Savage	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400	1,800	1,850	1,900	1,800
Potosi	900	850	850	950	1,000	900	1,000	925	875	900	890	800	690	720	790	750	850	825
Chollar	650	500	575	515	375	425	300	300	325	475	550	650	660	690	880	950	1,000	1,000
Hale & Norcross	525	500	425	350	275	350	....	310	....	300	480	425	240	350	350	465	490	1,000
Sheba	100	90	90	80	75	70	50	40	35	20	80	35	75	70	67	65	63	53
Daney	....	60	....	60	....	50	45	30	35	....	35	30	....	20	....	27	20	20
Wide West	22	20	15	12	10	8	7	20	17	18	20	31	27	25	28	26	28	23
Burning Moscow	55	52	45	40	23	15	13	12	15	18	20	19	27	60	62	72	37	40
Pride of the West	18	8	10	5	6	3	2	....	2	....	2	....	2	8	6	7	7	8
Bullion	70	68	65	70	65	50	50	40	30	....	....	40	40	55	90	110	145	155
Real del Monte	48	40	41	32	23	15	12	11	15	18	14	15	19	35	25	25	24	25
El Dorado	....	....	....	....	....	....	10	8	10	12	5	....	....	....	....	....	....	....
Gverman	....	....	200	200	250	200	....	250	225	....	150	175	160	....	185	165	165	130
Sierra Nevada	55	....	....	....	....	20	15	16	15	....	10	22	20	....	20	42	50	45
Yellow Jacket	750	750	950	900	650	700	600	450	400	450	375	400	576	600	725	800	970	950
White & Murphy	....	....	....	....	....	....	300	....	....	....	....	....	....	....	25	30	....	40
Sides	....	....	....	....	....	....	200	....	....	175	....	....	....	....	20	....	....	....
Uncle Sam	700	650	700	610	....	400	350	250	190	210	200	200	....	200	350	210	190	130
Ballie	65	75	70	55	45	40	22	15	13	13	16	24	23	23	30	31	20	18
North American	110	122	120	90	65	62	54	30	....	25	25	25	30	25	55	40	....	40
Baltimore American	47	35	....	50	40	42	35	30	32	20	20	15	25	....	25	26	....	....
Melones	15	20	15	....	12	10	12	9	13	17	13	13	....	....	13	12	....	8
Antelope	147	....	125	130	100	65	70	50	....	....	14	12	20	15	20	45	65	100
Napoleon	75	70	80	75	70	65	60	45	....	60	60	....	....	....	75	....	70	....
Sacramento	50	60	45	....	....	....	20	....	....	....	....	....	....	....	....	....	....	....
Utah	....	....	28	26	30	18	15	18	15	....	....	....	5	....	5	6	5	....
Lady Bryan	35	23	32	25	25	10	4	5	4	5	5	7	6	9	6	6	3	3
Imperial															149	154	155	148

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President.

Mining Summary.

HUMBOLDT.

Mining operations in Humboldt appear to be decidedly improving at the present time. We gather the following from the Humboldt *Register*:—

Another heavy deposit of very rich black sulphurets has recently been struck in the lower shaft of the Sheba. This deposit seems to be unlike all the previous finds within the walls of the mine; it seems not an insolated mass, but a continuous lode, standing eight feet wide, solid, and surpassingly rich, exceeding anything before found. There was great rejoicing among the Sheba people, and the contagion was communicated to a large circle of sympathising friends.

For the past two weeks, the Sheba mill has been at work on De Soto mineral, with the same success as with the Sheba ore. Their first class ore is still being shipped to England. The Sheha and Evening Star mills ship by each stage, but do not post the public as to the amounts. The Sheba ships bars; the Star, crude bullion—having but small facilities for smelting.

Mr. Clayton, mineralogist and geologist, is making a survey of this district. Mr. DeGroot, editor of the 'Nye County News,' is also there compiling matter for the publication of a history of the Territory. Several of the old settlers are giving in their early experience, which will, no doubt, he very interesting.

Col. O'Connor is there, looking after his interest in the Whitmore company, on the Sheba ledge. Arrangements have been made to go to work immediately and open it.

The large tunnel hy which the De Soto mine will be worked is now in two hundred feet. They expect to strike the ledge in about forty feet more. Extensive improvements have been made on the grounds belonging to the mine.

'Mount Vista' is a location on the Detroit ledge. Mr. Root is delving away into the original, in expectation of soon striking the ledge with his tunnel. The ledge, where prospected by shaft, contains fine ore. The 'Mount Vista' claim is owned in New York, and funds have been received with which to commence work at once.

The Ætna, the original location on this ledge is owned by eastern men, and arrangements have been made to put up machinery in the spring. Work continues in the ledge, which is well advanced in development. The Rochester Co. claims on the same ledge, and in prospecting in this claim some good ore has been found. The company expects to perfect arrangements under which effective work will he commenced at an early day.

'The Jewess,' in American District, is one of the largest silver-bearing quartz ledges we have seen. It is located in a high mountain ridge, crops high out of the solid mountain of porphyry, and can bo traced distinctly by the croppings at least half a mile. The croppings show well in silver, with a small amount of gold.—*Humboldt Register*.

Trinity District.—A correspondent of the *Register*, writes that he is much surprised, as well as pleased to notice the advancement which has taken place there during the past five weeks. He had made a careful examination of the different ledges in the district, and devoted particular attention to the 'Evening Star' claim on which there has been done more work than on all the other claims of the district; and there is good reason to suppose that it is a fair sample of the claims in that vicinity. He therefore refers to it as a representative mine as follows:—

I find that within this claim there is at least one regular fissure vein, and probably several. On this ledge the company has made excavations of considerable extent, and it has been found to be well defined and, regular in its course and dip. It is separated from the walls of the fissure by the clay seam so highly prized by the practical as well as by the scientific miner; and this, in connection with the striated, polished surfaces of the ledge and wall rock leaves no reasonable room to doubt that the ledge is one of great extent; while the two hundred or three hundred tons of rich rock taken out during the last month or two by a very small number of miners, and the large quantities of very rich ore now in sight in various parts of the works, constitute satisfactory evidence of its enduring richness.

The mill recently erected there has been designed and constructed by men who, in addition to their own acknowledged ability as practical and scientific mechanics, are thoroughly familiar with the experience and deductions of all those who have made quartz mills and quartz working the subject of their special attention. [It is an exact mate for the Sheba mill; cast from the same patterns, and put up by the same men.] It has now but five stamps, but the power of the engine and the framework of the battery are adapted to the putting in of five more stamps, which will probably soon be added.

The ores of this district are very easily worked by a simple pan process, without roasting. Water has recently been secured in abundance, by sinking a well or reservoir and running short drifts in the upper part of the bed-rock, so as to collect the subterranean currents in the ravine. It is perhaps proper for me to say, that I have, neither in this claim and mill, nor in any other enterprise in this district, any personal interest whatever; and that I make these statements in answer to those who have referred to this district in unfavorable terms. We have among us in this country men who can see nothing of a favorable character in any mining enterprise with which they are not connected—as managers or otherwise; and it is to men of this class that we have been indebted for the profoundly stupid 'opinions' in regard to the unreliable character and the alleged bad management of the mines of Trinity District.

REESE RIVER.

Over $4,000,000 have now already been invested in the Reese River mines by New York capitalists alone—none of whose purchases are located at a greater distance from Austin than sixty miles. Such men as Auguste Belmont, George Law, Cornelius Vanderhilt, and others are investing largely.

Mr. Greenhood, forwarding merchant, of Front street, in San Francisco, is about to ship to Reese River a new quartz crusher, manufactured in New York. It is constructed on the European plan and consists of a series of iron rollers, which compress and crush the rock without the use of stamps. This plan has not yet been tried, we believe, in Nevada.

We condense the following items from the *Reveille*:—

Another Quartz Mill.—The engine and boiler for the new quartz mill of Ware, Bowen & Emmersley, has arrived at the mill site, in Cedar ravine. The engine is ten horse power. There will he five stamps, each weighing five hundred pounds. The amalgamating tubs are a new patent, hut very simple, being made of wood with an iron bottom. The rest of the machinery is on the way, and will arrive by the time it is needed. Should no unforseen accident occur it is expected the mill will be in running order by the middle of January. They intend to have roasting furnaces erected in the spring.

Castings for Roasters.—A wagon, having on cast iron frames, doors and grates for the roasters of the quartz mill at San Francisco Cañon, has arrived. The proprietors of this mill are now having it entirely repaired and renovated. They will have two roasting furnaces erected immediately, with a drying furnace attached, and will have everything in running order by the first of January.

The Boulder ledge is a new location just made, on the north side of Main street. It was discovered in digging a foundation of a cellar. Some very rich ore has been taken from an opening but eight feet deep.

The Boy's Ledge is the name of a claim recently located directly west of the Oregon mill, by Amos Gridley, Andrew Gaston and David Perkins, none of them over twelve years of age. They have already sunk an incline to the depth of twelve feet and find a well defined ledge of chloride rock, six inches in width, from which they are taking out some very good paying ore.

Louis Ellis has just started a new two-stamp quartz mill, with an amalgamating pan attached, in Silver ravine, adjoining his mine and residence.

vine, is progressing fiuely. It is the intention of the proprietors to prosecute the work to completion with as little delay as possihle.

The Savannah ledge, is proving itself a good paying mine. It is owned by three persons, there being six hundred feet in the location. The incline is down forty feet, and the claim has paid all the expenses, and good wages to the owners, since work was commenced on it, some of the top rock paying $570 to the ton. The proprietors of this ledge are now running drifts out in different directions, from which they are taking out very fair loooking ore. They will continne work all winter.

McPherson & Co.. are bnilding the most substantial pan mill yet put up. The battery was procnred from San Francisco, and consists of three stamps of 150 ponnds each. Wooden amalgamating tuhs will be nsed and the entire works substautially enclosed and covered so that operations may be carried on in any weather.

MISCELLANEOUS.

The Como Sentinel says the prospects of Palmyra District have never been so bright as now, since the first discovery of the mines. The favorahle opinion of Professor Silliman and the working of Whitman rock at the Sacramento Mill, has had a tendency to attract the attention of experienced mill men to the mines around Como. We are informed that arrangements are under way for the running of the Como mill by a party of practical operators, for a lengthy period of time. It is to be hoped that they will succeed, and thereby establish beyond doubt the permanency and richness of those mines.

El Dorado Canon.—An increased degree of activity is being manifested in El Dorado Cañon, on the Colorado river. The increased facilities of communication in consequence of the opening of steam navigation of the Colorado, is already beginning to be sensibly felt. The Techatticup, the most noted mine in this locality, has taken ont a large body of ore, resemhling that of the Gould & Curry. None of the ore, save for tests, has been shipped, and not much has been worked. There are no furnaces or arastras now at the cañon, and but one mill, the Pioneer, which commenced working six months ago, bnt has lain idle most of the time, hecanse the miners are dissatisfied with the amalgamating department. It is said that pans are to be sent down soon to remedy the evil. The machinery of the Armagoza mill is to be moved to the cañon for working the Techatticup ore. The Queen City Company have some ore out, and the New Mexico and Independence Companies have been sending ores to the Pioneer mill.

The mines in this cañon were discovered in the summer of 1861, since which time there has been a permanent settlement. The provisions heretofore consumed have been brought in by Mormons, who charge eight cents per pound for flour, or by teamsters from Los Angeles, who charge twelve and a half cents per ponnd freight. Some contracts have lately been made here to send goods from this city, by schooner to the river, and by steamer to the cañon, for four and a half cents per pound, for the entire distance from San Francisco. The steamer has ascended, as yet, only twice to the Cañon.

Cast steel Twyers.—Mr. T. E. Vickers, of Sheffield, England, has patented an improvement in the manufacture of cast-steel twyers. These twyers have hitherto been cast singly, each in a mould by itself, thns involving considerable labor in the preparation of the moulds. As an economic substitute for this filan, it is now proposed to cast what may be termed a cylinder, presenting the profile of two or more twyers (by preference six and upwards) piled one upon the other. This cylindrical casting is to be divided up into twyers in a turning lathe or by saws, as may be found most convenient, and the twyers may then be finished in the usual way.

Washoe Bullion.—The Virginia *Union* says that for the week ending with Saturday last, Wells, Fargo & Co. shipped nearly three tons and a half of bullion from Virginia city, worth, according to assay, $220,578 98. This is the heaviest aggregate for some time.

More Silver.—The Pacific *Tribune* states that silver mines have been discovered in Washington Territory.

Home After the Children Have Grown Up.

Nothing on earth grows as fast as children. It was yesterday, and that lad was playing with tops, a buoyant boy. He is a man and gone now. His foot is in the field and his hand is upon the sword. There is no more childhood for him or for us. Life has claimed him. When a beginning is made, it is like a raveling stocking, stitch by stitch gives way till all are gone. The house not a child in it. There is no more noise in the hall—boys rushing in pell-mell. It is very orderly now. There are no more skates or sleds, boats, balls or strings, left scattered about. Things are neat now.

There is no delay of breakfast for sleepy folks; there is no longer the task before you lie down of looking after anybody, and tucking up the bed-clothes. There are no disputes to settle, nobody to get off to school, no complaints, no importunities for impossible things, no rips to mend, no fingers to tie up, no faces to he washed, or collars to be arranged. There was never such peace in the house. It would sound like music to have some feet clatter down the stairs. Oh for some children's noise!

What used to ail us when we were hushing their loud laugh, checking their noisy frolics, and reproving their slamming and banging the doors? We wish our neighbors would lend us an urchin or two to make a little noise in these premises. A house without children! It is like a lantern and no candle; a garden and no flowers; a vine and no grapes; a brook and no water gurgling and rushing in its channels. We want to be tried, to he vexed, to be run over, to hear child life at work with all its varieties.

During secular days this is enough marked. But it is Sunday that puts an American home to proof. That is the Christian family day. The intervals of public worship are long spaces of peace. The family seems made up on that day. The children are at home. You can lay your hands on their heads. They seem to recognize their greater and the less love—to God and their friends. The house is peaceful but not still. There is a melodious trill of children in it. But Sunday comes too still now. There is a silence that aches in the ear. There is too much room at the table; too much at the hearth; the bedrooms are a world too orderly. There is too much leisure and too little care.

Alas! what mean these things? Is somebody growing? Are these signs and tokens? Is life waning?

Between the Blankets.—Some people take their cares and troubles to bed with them. It is a bad plan, for they are diabolical bedfellows. Even if "tired Natnre's sweet restorer" whips the spirit off to dream-land in the midst of its repinings and forebodings, there is no comfort for it there. Of the last sad waking thoughts are horn visible imps that haunt us in the realm of Morphens, and we fight with horror all night long. Happy are those who can put off their day troubles with their day clothing, and, as they assume the horizontal, forget all the annoyances that belong to perpendicular life. We have known people who could do all this; individuals who, after struggling from morning till night in Sloughs of Despond, and getting miserably mauled by the Giant Despair, no sooner slipped between the sheets than the Angel of Sleep, who seemed to have been lying in wait there to bless them, took them on her wings and bore them to Elysium. To fight over again in bed the battles of life, as many do in their slumbers, is a miserable business. Still more unpleasant is it to be surrendered in sleep to all sorts of vague and impossible phantoms which are no less disagreeable than they are utterly absurd. Worst of all is it to lie through the weary watches of the night, self-tormented. The best thing nervous, highly impressible, fidgety people can do after getting into bed is to lie resolutely still and try to abstract their minds from the occurrences of the day. The power of doing this is natural to many, bnt it may also be acquired by persevering effort. The will of the weakest is a mighty instrument when fairly hrought into play.—*Wide World.*

Dead Sea Salt.—Some new observations on the Dead Sea water appear to present some points of intcrest. Roux, in an analysis of water collected in April, 1862, fonnd it to be slightly alkaline in re-action, and to contain a little sal ammoniac. The presence of ammoniac was also precisely observed by Boussingault. Roux fonnd 20.6 per cent. of non-volatile saline residue, which contained 0.364 per cent. of bromide of magnesium. Calculation shows that this salt, therefore, contains seven pounds per ton of bromide, this water being richer in bromide than any other known mineral water. The Dead Sea salt may hereafter become an article of commerce, as a material for the extraction of hromide. Every one remembers the discovery of silver in sea water by Malaguti and others. Aupin, a pupil of Malaguti, has examined this Dead Sea salt, and found in two kilogrammes of the salt one milgramme of the metal, equal to seven grains of silver in the ton.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

C. W. M. SMITH. W. B. EWER. A. T. DEWEY.

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It is Impossible for editors to know all the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventors can secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Dec. 3, 1864.

A NOTABLE DEATH.

It is seldom that the scientific world is called upon to mourn the loss of one more extensively or more favorably known in the walks of science than was he whose sudden death was announced in this city, by telegraph, on Tuesday last. Prof. B. Silliman, Sr., of Yale College, New Haven, Conn., for full half a century has been eminently distinguished for his devotion to learning—so much so that for a long time he has justly been regarded as the Nestor of American science. Though ripe in years, his death was most unexpected and very sudden, resulting from apoplexy. He died on the 24th instant, in the eighty-sixth year of his age. For fifty-seven years he held the professorship of chemistry in Yale College. His entire life has been devoted to the interests of that venerable institution, and to the advancement of the cause of science in general, and he has done much to enlarge the bounds of physical science. He was the founder of the *American Journal of Science and Arts*, which has long been extensively known throughout the world, though more generally as *Silliman's Journal*, out of compliment to its chief and most active editor. This publication was founded in 1818, and has ever been looked upon, in Europe, as the only truly scientific journal in the United States. For some time past it has been under the management of his son, Prof. Benjamin Silliman, Jr., and his son-in-law, Prof. J. D. Dana. In addition to his voluminous contributions to the *Journal*, he has published several valuable scientific works. He resigned his professorship in 1853, since which time he has ceased from active literary efforts, but retained to the last an ardent love for the great work to which he had devoted a long and well spent life. The Professor was ever a man of remarkable vigor of body as well as intellect, and had rarely known an ill day up to the time of his sudden death.

Do you Like our Paper?—If so, have you made the least effort to increase its circulation? If not, you should assist us at once. Aid us to increase our circulation and the fruits of your efforts will redound to you in the manner of an improved journal. We are laboring hard for your interests. Those who assist us now in establishing one of the most useful papers upon this coast, will have occasion to feel proud of their efforts hereafter. Our journal is already a positive success. Its influence is rapidly extending. Speak a good word for it whenever you can. If your neighbors are not taking it, get them to make up a club and send their names.

The telegraph announces the death of ex-Governor Fairbanks, of Vermont. He was celebrated throughout the world as the inventor of the Fairbanks' Platform Scales, an invention conferring untold benefits upon the commercial world. Few men, even among the great ones of earth, have achieved anything so widespread in its benefits, as this unassuming 'Green Mountain Boy.'

EASTERN FINANCES.

Per steamer Sacramento we are in receipt of Eastern mail advices to November 3d. The second instalment of $20,000,000 on account of the last $40,000,000 six per cent. loan, was paid November 1st, and produced no stringency in the money market, the general influx of currency from the army and the interior being about equal to the payment required. The market for money at New York was easy at 7 ℘ cent. per annum, and some transactions had been made at 6 ℘ cent. on call. First-class commercial paper had been ranging at from 9 to 12 ℘ cent. The postal-order money system, which has been so long in successful operation in England, had been introduced in New York, and drafts would in future be drawn in that city upon any of the order offices throughout the country, in sums of not less than $1 nor more than $30. The benefit of this system should be extended to this coast. Such an arrangement in this city would be a source of great convenience to many parties desirous of making small remittances to their friends in the East.

The statement of the National debt for the month ending with the 31st of October, shows an increase of some $61,000,000, or about $2,000,000 per day, upon that of the preceding month, making an aggregate of $2,017,000,000 against $1,995,973,000 on the 30th of September. The leading figures compare as follows:—

	Sept. 30.	Oct. 31st.
Coin debt	$923,688,931	$961,170,79.
Paper debt	564,685,874	684,039,315
Currency	467,301,899	471,889,408
	$1,955,973,716	$2,017,099,515
Unpaid requisitions	34,641,364	37,515,980
Am't in Treasury	24,359,405	19,868,652

The currency of the Government, including all description of circulation and interest-bearing treasury notes, amounted to $676,886,941, and shows a decrease of some $10,000,000 over the preceding month. The issue of bonds under the last $40,000,000 loan had reached $37,000,000, and the subscriptions to the new 7-30 currency loan amounted to $21,000,000 during the month of October.

The Grass Valley Foundry.—During our late trip to Grass Valley we took occasion to visit the iron foundry, on Mill street, in that town. This establishment is now second to none in this State outside of San Francisco. We have, unfortunately, lost the notes which we took on the occasion of our visit, and regret that we cannot, on that account, make so full a notice of the establishment as we had intended to. If we recollect aright, the capacity of the cupola reaches some four or five thousand pounds at a casting. This foundry has turned out several steam engines during the past season, and is capable of doing almost any character of machine work. The building has been several times enlarged to accommodate the growing increase of the business. A change has recently been made in the proprietorship, Mr. J. Lakeman having sold out his interest to his late partner, M. C. Taylor. Mr. Taylor is a thorough business man, and the Mill Street Foundry will lose none of its former popularity under Mr. T.'s sole management of the concern. Such of our friends in Grass Valley as wish to procure machinery for quartz mills, or, in fact, castings of any kind, are recommended to the Mill Street Foundry, which is now doing an extensive and a satisfactory business.

Arizona Mining Affairs.—Col. Davidson, Superintendent of the Arizona Mining Company, left this city, a few days since, for the scene of his labors, accompanied by a corps of twenty-five assistants. The Colonel took with him about seventy-five tons of machinery and freight for the company's mines. The stock of this company has been increased in New York to ten millions of dollars.

The rains have already had considerable effect in reducing the market prices of breadstuffs, grain and hay, and present appearances promise a still farther decline. The rain has been general all over the Pacific slope and has been most unprecedentedly copious for the first one in the season.

Will Return Immediately.—In consequence of the melancholly intelligence of the sudden death of his father, Prof. Silliman, the younger, who has devoted the past summer to an examination of the mines and mineral resources of the Pacific coast, will leave on the steamer of the thirteenth instant for the East. We learn that the Professor has been most favorably impressed, during his sojourn here, with the richness, extent and permanency of our mines, and on his return he will undoubtedly do much, by oral testimony and published evidence, in establishing a character for the mines of the Pacific coast, among Eastern capitalists, to whom it is now evident we must chiefly look for the pecuniary means for developing our mineral wealth. We regret that he is called upon to leave us under such melancholly circumstances, and trust that his sojourn here has been of such a nature as will tend to induce him to repeat his visit at no distant day.

The Poles not yet Subdued.—Siberia is in the way to become a new Poland, 200,000 Poles having been sent to that country because of the part they had, in the late movement. Thirty thousand more lost their lives, either in action or at the hands of executioners. It has of late been supposed that the "insurrection" was over, and that Russia had at last fully established her power over the land of the Yagellons and the Sobieskis. That it was already written "Poland was!" and "Order reigns in Warsaw!" But the Polish national Government has just given unexpected proof of its vitality by issuing a proclamation declaring that the revolution is still in progress, despite the representations of Russia, and asserting that the hymn of triumph intoned by the invading Russians is a "lying hymn."

New Mormon Movement.—It is well known that the Mormons have for a long time been thinking of transferring a portion of their population from Salt Lake to some position more easy of access from the sea board, and where they will be less liable to annoyance from the "gentiles," than in their present half-way stopping place on the great thoroughfare from the Mississippi Valley to California. It is now said that they have selected a point in Southern Utah, about 450 miles southwesterly from Salt Lake City, and 150 northerly from El Dorado Cañon, on the Colorado. They will thus be able to obtain such supplies as must come from the seaboard with only 150 miles land carriage. It is furthermore reported that they have stopped work on their great Temple, and every man of note is to hold himself in readiness to start for the New Zion at an early day; at which time the main body of the present population of Mormonism will also be required to move in the the same direction.

Important Drainage Improvement.—The Yolo Canal, a work commenced about four months since, for the drainage of the tule lands on the west side of the Sacramento river—was completed on the 23d ult. This work, together with a levee along the river, was deemed necessary for reclamation purposes; and the contract for its construction was let by the Swamp Land Commissioners to J. Riley and J. Rooney, and operations commenced on the 28th of July. Under the superintendence of C. H. Ball, about two hundred men have been kept at work during the Summer and Fall. The canal starts near Fremont, in the northern part of the county, and drains the low grounds of Cache creek and Putah creek, and connects at the south with Dutch lake, Miners' slough and Steamboat slough. It is about twenty-four miles in length, has twenty-one feet fall, is thirty feet wide at the bottom, is about five feet deep on the average, and the sides slope at an angle of forty-five degrees.

The Virginia City *Enterprise* of the 18th instant says that the newly-elected Legislature of Nevada will pass a Specific Contract Act similar to the one in operation in California, as soon as it convenes.

No Cotton has been planted at the South the past season.

Editors Mining and Scientific Press:—In the editorial notice which you were so kind as to bestow upon my card in your paper of last week, there is a slight error, unintentional on your part, which might, if not corrected, do injustice to others. Under the old company at New Almaden, I acted as Mining Engineer, in charge of the underground work and engineering, from September, 1856, to November 1st, 1863, except when the mine was suspended by injunction. During this same period the late John Young, whom every one loved and respected, was the General Superintendent. After the accession of the Quicksilver Mining Company, I remained as Mining Engineer until April, 1864, Mr. James Eldridge being the General Superintendent; and when he left, in April, 1864, I took charge, as General Superintendent, until November 1st, 1864, when I resigned. You will very much oblige me by making the correction. Yours, etc.,

Sherman Day.

San Francisco, Dec. 1st., 1864.

To Correspondents—"One Called," who writes with reference to a paragraph in the late decision in the late Varney-Wheeler Pan Case, will appear next week. It was our intention to have printed that decision entire in this issue, but it has been unavoidably postponed until next week. The communication of our correspondent will be read with more interest in immediate connection with the decision to which he refers.

The Old Story.—The Grass Valley *Union* learns that several wealthy owners in the Star claim, at Omega, on the Yuba, having obtained a controlling interest have commenced the operation of freezing out the smaller shareholders. For this purpose it is said they have stopped work on the claim, and have levied a heavy assessment. Such operations, wherever they occur, should be carefully noted, and every honestly conducted paper in the State should lend a hand in exposing all parties concerned in them.

A Thanksgiving Dinner.—At Stockton, on Thanksgiving day, Oscar P. F. Kullenbach's mustang stud horse had a fowl dinner, having nipped several of William H. Van Vlear's chickens in his manger and stowed them away, feathers and all, in his stomach.

Mexican Bounties.—The proper government of Mexico offers to foreigners who will, all armed and equiped, enlist to fight against the Maximillian empire, the following bounties; $1,000 for the rank of soldiers and sergeants; $1,500 for lieuteuants and captains, and $2,000 for officers of higher rank. The above bounties are to be paid in land.

A Little too Late.—A large quantity of flour has arrived at this port from Chili since the recent rains set in. Large quantities are also now on the way here. These shipments have been made under the impression that we were to have another dry winter. The speculators have brought their goods to a bad market, or rather the rains have spoiled their market.

Almost as Bad as California.—A Boston paper says there are now one hundred and sixty suits for divorce upon the dockets of the Supreme Court in that city. The causes alleged for judicial separation are cruelty, desertion, criminality, etc. In a majority of cases the wife seeks a divorce from her husband. There is also a large number of petitions of divorced persons to marry again.

A Frightful Accident recently took place at Ulm, from petroleum oil. During a representation at the theater, twenty-four lamps attached to the chandelier suspended from the roof burst in succession, with great rapidity, and the burning oil fell like a shower of fire on the spectators, among whom were a number of ladies. In a moment the dresses of twenty of them were in flames. Several died within a few hours afterward.

A chunk of lead, weighing 1,000 pounds, was lately taken from a mine in Illinois.

S. F. Mechanics' Fair Reports.

COMMITTEE REPORTS

OF THE SAN FRANCISCO MECHANICS' INSTITUTE INDUSTRIAL EXHIBITION OF 1864.

[By authority of the Executive Committee for the management of the Fourth Industrial Exhibition of the Mechanics' Institute, we shall continue, under this heading, until completed, the publication of the Reports and Awards of the Examining Committees in the various departments of the Exhibition, as revised by the Managers to accord with the rules governing the distribution of awards. Where the reports have not been made in form prepared for publication abstracts or digests only will be given. The Managers desire it stated that, while articles originating and manufactured abroad contributed in a degree to the variety and interest of the exhibition, which in return afforded their merits opportunities of becoming widely known, to the advantage of those showing them, the enterprise was intended to be an exposition of the material and industrial resources of this State, and the adjacent Territories, to which the honorary awards must be limited. Believing, too, that the distribution of premiums of several grades among competitors has a greater tendency to produce jealousy and dissatisfaction than to encourage enterprise and efforts for excellence, the Executive Board has determined to allow no second, third, or other inferior grade of Premiums.]

Class XXXIV.

SUB-DIVISION—Seeds.

COMMITTEE:

O. C. WHEELER, ADDISON MARTIN.

Report:

There was only one exhibition of Domestic Seeds in the Fair, and this was made by Mr. DANIEL L. PERKINS, of Oakland, Alameda county, and consisted of 112 varieties of Seeds and 5 varieties of Corn. Mr. Perkins is well known as the pioneer professional seed-grower on this coast, and has now attained a reputation for the purity, vitality and excellence of his seeds, of which any man might well be proud. His exhibition at the present Fair is a testimony to his high order of skill and taste. A beautiful pyramid, studded on all sides to its apex with regularly arranged glass bottles, all properly labeled, gives the observer a most interesting view of this large number of varieties. Mr. Perkins is already reaping the reward of his patient toil, scientific skill and persevering energy, in the large orders for his seeds, made in advance of the crop, from the best seedsmen on the coast. His seeds have also been sent to the Eastern States, and have there been so much admired that he has standing orders to send regularly his full variety. In a short time the importation of garden and flower seeds, except new varieties, must cease. Premium.

S. W. MOORE had a good assortment of imported Grass and Garden Seeds, which are entitled to special mention.

Silk Culture.

L. PREVOST, of San Jose, COCOONS, WORMS AND REELED SILK.—This exhibition was probably regarded by most visitors as the product of some merely fancy-cultural pastime or experiment, of no practical significance or value, while the facts are, that it represented a series of efforts undertaken upon a conviction of the adaptation of our climate for silk growing, and persistently followed up for years, until it seems to be demonstrated beyond doubt that that it is to become a great industrial interest of the State. It is nearly eight years since Mr. Prevost engaged in experimenting in this line of culture, encouraged by Henry Hentsch, Esq., of this city, whose interest and faith in the undertaking was so great that he imported several lots of eggs from China and from France before obtaining any sufficiently healthy to hatch. It was thus several years before any worms were produced, and the first cocoons were raised in 1860. Samples have since been sent to Europe for examination, and Mr. Prevost has certificates from the highest authorities of Paris and Lyons pronouncing the silk FIRST QUALITY.

And it is certain that the silk growers of France and Italy will in the future look largely to California for supplies of sound eggs to recuperate their stocks, which cannot be preserved in healthy breeding condition in climates subject to rain during the feeding season. Already the orders received by Mr. Prevost from these countries are many times larger than he can fill, and indicate that the supply of such orders alone, without reference to the growth of silk, will furnish ample and highly remunerative employment to those engaging in the culture here. The mulberry is said to thrive remarkably in all parts of this State, and our climate affords peculiar advantages, upon which Mr. Prevost has presumed, with entire success, to abandon the laborious and expensive culture practiced in the silk countries of Europe, requiring six times the attention and labor found necessary in the "California Culture," which he has systematized.

There can scarcely be more assurance than is afforded by the experience of Mr. Prevost, of the entire practicability of the profitable prosecution of the SILK CULTURE here. Other gentlemen, well informed upon the matter, are preparing to engage largely in it, and it is not improbable that within less time than has elapsed since Mr. Prevost's first experiments, it will rank with Wool and Wine, or lead them among the important productions of the State.

The highest award of the Exhibition is due to Mr. Prevost.

SUB-DIVISION—Floriculture, Etc.

Report:

In our climate and locality the late Summer and Autumn is an unfavorable season for a floral exhibition, unless large preparations be made for it months in advance. As the florists in the spring remove their stock from pots to the ground (where they require but little care until the rains return again), therefore few of them are able, upon call, at this season to make an extensive show of choice varieties; yet the floral department of the Fair did not lack features of interest. The lattice tower under the great dome, rising from the middle of the fountain to a hight of forty feet, bore upon its terraces a great variety of fine evergreen shrubs and flowering plants, from among which started the numerous water jets refreshing the air, and sparkling in the light as they flashed upward and fell in light sprays to the basin. Seen above other objects from any part of the Pavilion, this central tower, with its evergreen embellishments and fountain jets, formed a grand and agreeable feature of the Exhibition

JOHN O'HARE, of the California Nursery, notwithstanding the disadvantages of the season, exhibited an extensive and choice selection of Green House Plants, Dahlias, Verbenas, Lilies, Cut Flowers and Boquets, frequently during the Fair renewing his stock, and thus maintaining the charm and freshness of his exhibition. Mr. O'Hare also contributed many of the choice evergreens and plants for the adornment of the Floral Tower. The Premium for the best collection of Green House Plants, best Dahlias, best Verbenas, best Lilies, and best Boquets, is awarded by the committee to Mr. O'Hare.

LANZEUR & HUBERT, of the St. Ann's Garden, exhibited a great variety of magnificent Fuschias, Geraniums, Dahlias and Green House Plants, which were frequently renewed and greatly admired. Some of the Fuschias, especially, were of gigantic growth, and thickly piled with flowers. The Premium for the best Fuschias and Geraniums is awarded to Lanzezeur & Hubert.

C. B. MILLER'S Aquaria, Wardian Cases, Rustic Baskets with trailing vines and rare plants, arranged under a large octagon wire summer-house, of elegant design and structure, formed one of the most beautiful and attractive exhibitions in the Fair. The summer-house, manufactured and exhibited by H. T. GRAVES & Co., formed an admirable and appropriate canopy and enclosure for this interesting collection. The Aquaria exhibited by Mr. Miller, and manufactured for him here, are formed entirely of iron and plate glass, and are much lighter and more elegant than those formed of marble, the material still used, in part, at the East and in Europe for those of the dimensions of his largest. Scarcely anything is more interesting than one of these large crystal vessels with its provision of delicate aquatic plants and varieties of fish darting through the clear water, or exploring the miniature rock and coral caves. The plants, if properly selected, supply the water with oxygen, which will keep it clear and pure for months without change, and a provision of pipes will effect a change when required without trouble. The Wardian Cases, covering beautiful and delicate ferns and mosses, growing without care or attention, the orchidis or air plants rooted upon cocoa-nut husks and fragments of bark, or hanging upon sea shells, together with many other rare botanical wonders, contributed to make this a highly interesting and instructive exhibition, for which Mr. Miller is well entitled to a Premium.

FRANK STAEGLICH contributed a large and fine assortment of Grass and Garden Seeds, specimens of a great variety of growing Grasses, Evergreen Shrubs and Plants; but the model Labyrinthine Garden exhibited by Mr. Staeglich was the great wonder and puzzle of the Fair. This consisted of a plot 6x8 feet, laid off with shell-walks, bordered by lines of box hedges, making a linear measurement of several hundred feet, running in parallel and rectangular lines in such a manner that it was impossible for the uninstructed visitor to find the way either in or out from any given point. This was not only an ingenious and interesting puzzle, but a work involving great labor and expense, the grounds being planted with several hundred miniature trees, perfectly rooted and sown with fine grass, which formed a natural coat of verdure. Mr. Staeglich's ingenuity, patience and zeal merits a Premium.

COL. WALKER, of the Golden Gate Nursery, sent in, on two occasions, what about to bloom, a fine Night-Blooming Cereus ("Cactus Grandiflorus,") placing the Directors under great obligations in thus affording visitors an opportunity of witnessing the interesting phenomenon of its rare and transient glory.

CAPT. J. D. FARWELL also laid an obligation on the Managers by the contribution of a magnificent stalk of the "Yucca Gloriosa," bearing a conical pile of fully opened flowers, numbering hundreds and perhaps thousands. Brought in early and planted in wet sand, this floral wonder retained its beauty nearly to the close of the Fair.

JAMES LICK, Esq., manifested an interest which he has always shown in the Exhibition and affairs of the Institute by the donation of a splendid collection of China Asters ("Astor Chinesis,") in the stage of most perfect flower, and undoubtedly one of the finest lots of that beautiful Autumn flowering plant ever seen here.

Class XXXVI.

Domestic Machinery—Sewing and Washing Machines, Wringers, Churns, Etc.

SUB-DIVISION—Sewing Machines.

COMMITTEE:

S. O. BRIGHAM, A. F. HITCHCOCK,
O. C. WHEELER, MRS. C. M. BLAIN,
MRS. H. ROSEKRANS, MRS. A. J. TURNER.

Report:

The keen competition usually made by the leading Sewing Machine Agencies was not maintained in this year's Exhibition—the "Florence" Machine being the sole occupant of the field. The several patterns and styles of this new Sewing Machine exhibited by the Agent, SAMUEL HILL, your committee have carefully and minutely examined. Its simple and finished mechanical construction, and the obvious adaptability of each part to its work has been to us an interesting study. It differs essentially from other sewing machines, having many new and peculiar features. It makes four kinds of stitch, each alike, on both sides of the fabric, has an instantly reversible feed motion, and sews any varying thickness of material, without change of tension. We consider the Florence a decided improvement in sewing mechanism, and deem it worthy the award of a silver medal; and for the beautiful samples of sewing machine work done on this machine we would recommend a Diploma.

[Only the Premium recommended for the work done on the machine can be allowed, as the awards of the Exhibition are confined to articles produced or manufactured on the Pacific coast or the neighboring islands.]

SUB-DIVISION—Washing Machines, Wringers, Churns, Etc.

COMMITTEE:

R. A. MARDEN, DAVID DODGE, C. J. MORRISON.

Report:

Most of the articles in this department offered for the inspection of the committee would require practical experimental tests to determine fully their adaptation to the uses for which they are designed, and it was not in the power of the committee to apply such. They are consequently obliged, after a careful examination, to make up their judgment chiefly upon the mechanical construction and apparent adaptation of the articles to the uses proposed.

In the classes of Washing Machines, a spirited competition was maintained by the "Challenge," "Economy," "Little Giant," and "Monitor." Each of these machines appears adapted to effect a great saving in the department of domestic labor for which they are designed; but, in the judgment of your committee, the "Monitor," exhibited by G. STEVENS, is entitled to the Premium as the best Washing Machine, and next in rank of merit we would place the "Little Giant."

F. B. LAMB exhibited a simple and ingeniously contrived Wash-Board, furnished with a self-adjusting rubber, easily operated with one hand, materially lightening the labor and doing effective work. We consider it very meritorious, and worthy of a Premium.

CLOTHES WRINGERS.—A variety of these excellent household helps were found competing for popular favor. None of them, however, on the claim of originality or superiority, are entitled to a Premium, though we consider the "Eureka," exhibited by M. E. TRAVER & BRO., worthy of honorable mention.

CLAWSON & JOHNSON exhibited a Churn of Eastern invention but California manufacture. The churn was repeatedly tested while on exhibition, and operated so satisfactorily that we cannot hesitate in awarding to it the Premium.

J. & W. C. SALMON exhibited a Churn, which we consider very meritorious, and deserving honorable mention. Other Churns in the Exhibition may have had merits which were not apparent to the committee, and, as they were not pointed out by the parties interested, they are passed without mention.

The Great Sanitary Cheese Hoop, made by T. F. NEAGLE.—This immense hoop is not only calculated to inclose and support the weight of the 4,000-lb. mass, but is so constructed that it can be clamped to or removed from the cheese with facility; as it may be necessary to inclose it for turning or uncover it for exhibition. It serves a good purpose, and is creditable to the skill of the builder.

MRS. A. MCKEON exhibited a Bee Hive, which, it is claimed, combines improvements of much advantage to the health and security of the bees. The improvements consist mainly in the provision of a non conducting straw lining and wire screens. It is thought worthy of honorable mention.

MESSRS. NEWMAN BROS. exhibited samples of Brushes of their own manufacture, equal to any imported and highly creditable to the skill and resources of this enterprising firm. Premium.

F. B. LAMB exhibited a compact and convenient Coffee Roaster, designed to set over any furnace or stove fire, and to revolve slowly by a simple clock-work machinery attached.

T. B. HOTCHKISS—A Butter Worker, simple in construction, and apparently calculated to prove a useful auxiliary to the dairyman.

MRS D. NOAKROSS has in the Exhibition a Gimp Mill for applying the silk thread covering to gimp and tassel cords. The mill appears to operate perfectly, and furnishes the means of prosecuting a new branch of industry here.

MRS. E. MORAIS exhibited an Instrument for folding Shirt Bosoms, which we consider deserving a Premium.

C. NEUMANN—A Patent Lamp Burner, which is quite ingenious.

S. D. SIMMONS—An Egg and Cake Beater, which may be found serviceable to housekeepers.

Several articles which may be properly classed in this department are passed by the committee in the absence of any description or information regarding their origin or the merits claimed for them; and it may not be improper to suggest that exhibitors might find it much to their advantage to attach to their articles such description as would make their claims intelligible.

Class XXXVII.

Domestic Preparations—Pickles, Preserved Fruits, Cured Meats, &c.

COMMITTEE:

S. B. GODDARD, C. R. BOWEN, G. D. WHITE.

Report:

The committee appointed for the examination and comparison of articles in the Fair, entered under Class XXXVII, beg leave to say that they have passed judgment on the articles submitted to their inspection, as follows:

MRS. A. BUNNER exhibits one cass Preserved Fruits in jars, to show merits of a glass preserving jar.

C. NEWMAN exhibits samples of a Patent Preserving Jar, which is in general use in the Eastern States, and which seems to be superior to others on exhibition. The proprietor informs us that a person can seal up one thousand of these jars in a day. It is the invention of the exhibitor, and merits a Premium.

G. W. CHASE exhibits samples of California Horseradish, grated and prepared for family use, a good article.

C. B. HESTER, a mammoth loaf of well baked Bread.

J. D. GODEN, twelve bottles Washing Fluid. Premium.

—— & FISHER exhibit a remarkable fine sample of Corned Beef, which cannot be excelled in quality, though having no competition. Premium.

MARDEN & FOLGER make a good display of Coffee in both the raw state and prepared for the trade and family use; also spices, ground and packed. On tasting their prepared coffee we feel justified in awarding it the Premium.

C. W. BROOKS & Co. exhibit samples of Hawaiian Produce, in the shape of Kona Coffee, Rice, Pulu, Tapioca, &c. These articles are fine in their line, and the Pulu and Tapioca are well deserving of a Premium.

MRS. MAXWELL, two jars of Pickles.

P. B. CONIMS, one case Sauce.

THORA FOSS, one box Mammoth Eggs. Premium.

A. MONTLEZUN, two jars Preserved Eggs. Premium.

H. W. BREWER, an assortment of Fruits of good quality, preserved in cans, also some Raspberry Shrub, which latter is entitled to a Premium.

CUTTING & Co. exhibit a very fine and varied assortment of case goods, consisting in part of Pickles, tastefully packed in various sized jars; Jams and Jellies, hermetically sealed; Pie and Table Fruits and fresh Vegetables preserved in cans; Tomato Catsup; Worcestershire Sauce; Capers; Brandy Peaches, &c., &c., all of California manufacture. These goods are all of very superior quality, and the style of their labeling and packing seems far ahead of imported articles. Of this most important branch of our domestic manufactures we learn that the articles on exhibition are fair samples of what this firm is capable of supplying to the trade in any quantity, and that they give employment to about sixty hands in their manufactory, which is one of the largest of its kind in the United States, occupying as it does the extensive property and buildings, Nos. 21, 23, 25, 27, 29 & 31 Main Street. This branch of industry is of immense importance to the agricultural interests of the State, since this firm alone annually consumes many tons of fruit and vegetables. In view of the merit of these articles, and the means that they are of retaining in the State so much money which would otherwise go abroad, we recommend for Cutting & Co. the highest premium that it is in the power of the Society to bestow.

ZWICK & LOEVEN exhibit samples of Extract of Coffee, which is said to be very extensively used in some of the Eastern States, and to double the strength of coffee, as well as clearing it nicely at a small expense; the experiments exhibited before us were of so satisfactory a nature that we feel warranted in awarding it a Premium.

BRIGNARELLO & MACHIAVELLO make a very fine display of Macaroni and Vermicelli, prepared, it would seem, in almost every form in which it is possible to present this favorite food of the Italian nation. The different grades of the article exhibited are of superior quality, and deserve a Premium.

D. GHIRADELLI'S samples of Chocolate and Cocoa, in the various forms of their preparation, do them great credit, and these articles if not superior, must be equal, to any of foreign importation, and are considered by us worthy of a Premium.

W. K. DIETRICK exhibits Hams, Bacon, Lard, &c., of his own well known brand and quality; also samples of bacon from Hayward, of Victoria, V. I. The committee regret not to have seen a greater display of this kind of produce from the many in San Francisco alone who make the preparing of these meats a business. Those on exhibition by Mr. Dietrick, of his own brand, are of very superior quality, and well entitle him to a Premium.

J. R. NICKERSON, of Placer County, in addition to his large display of fresh and dried fruits, furnished some samples of finely cured bacon, meriting honorable mention.

SUGAR.—Although not entered upon the Catalogue of articles for our examination, it may not be improper for us to refer to the splendid exhibition of Sugars made by the SAN FRANCISCO AND PACIFIC REFINERY. The importance of this successful branch of manufacture is fully appreciated, and its products maintain a high reputation in our market, which could not be affected by any recommendation of this Committee; nevertheless, it seems proper that so important a feature of the Exhibition should at least be mentioned in this report. The long range of tables showing the samples of sugar in the raw state and in all the intermediate conditions up to the refined loaves tastefully (as the juveniles will all testify) and effectively arranged, show not only the progress and enterprise of the manufacturers, but their interest in the Industrial Exhibition, whose highest award is due to this Company.

Class XXXVIII.

Regalia and Military Goods.

COMMITTEE:

A. G. ABELL, CHAS. MAIN, ANDREW JACKSON.

Report:

Your committee, to whom was referred the examination of Regalia and Military Goods, &c., find that MR. NORCROSS presents the finest display of articles of domestic manufacture, coming under the above designation; and that for Gold and Silver Embroidery on Regalia and Military Goods, he should be awarded a Premium.

MR. T. R. JOHNSON exhibits a very handsome assortment of goods of a similar class, as also a very fine variety of imported military embroideries and other goods.

BLAKE & Co. exhibit the best Army and Navy Hats and Caps, of domestic manufacture, and we recommend the Premium for these articles be awarded to that firm. A fine display of imported military goods is also offered by these gentlemen.

MR. D. FENNELL exhibits a pair of ornamented Cavalry Holsters, which deserve honorable mention.

Your committee, although the articles of which they are about to speak do not appear exactly to come within their province, deem it not improper, as they are not mentioned elsewhere, and are found in one of the cases enumerated in this class, to call attention to the Gimps, Fringes, Chenilles, Silk Buttons, Tassels, Cords, and other articles of similar description, exhibited by MR. D. NORCROSS; and as the committee were afforded an opportunity to witness the manufacture of many of those articles, all of which are made here, they recommend that for them a Premium also be awarded to Mr. Norcross.

The committee also desire to notice a very beautiful banner, for the Grand Lodge of Masons in Oregon, which appears in Mr. Norcross' case, and which was painted by MR. FREDERICK NUTZ; and, if it is deemed proper for them to make such recommendation, as it appears to be the finest piece of that kind of work in the exhibition, they would suggest that the Premium for banner painting be awarded to Mr. Nutz.

All of which is respectfully submitted.

Class XXXIX.

Furs, Hats and Caps.

COMMITTEE:

C. T. BLAKE. DAVID D. COLTON.

Report:

Although the exhibition of Furs was made chiefly by two contributors, it was altogether, the largest and finest ever offered at any Fair in the State. The Committee find after careful inspection, that ADOLPH MULLER, is entitled to the Premium for the largest and best assortment of elaborately dressed California Manufactured Furs.

J. C. MEYER & SON, are entitled to honorable mention, for a beautiful and rare assortment of Eastern Manufactured Furs. We deem it not improper to say, that in our opinion, no city in the world can show a finer assortment of rich Furs than were exhibited by these two houses, both of which, in the choice and well assorted display of goods made here, furnished evidence of ample capacity and resource in this line of business.

DR. BEURINS exhibited a fine Tiger Skin Buggy Robe.

H. ASKER exhibited a Robe of Guanaco Skins made by Patagonia-Indians.

A. J. DOOLITTLE, a very fine Fur Seal or Sea Otter Skin taken on the Northern California Coast.

In the Hat and Cap department there were but two contributors each of whom made a creditable exhibition of goods.

LE GAY & Co., exhibited a case of very fine Silk Hats which merit a Premium, although no competition was made in this line.

MRS. C. E. LANG exhibited Childrens' Fancy Caps of various patterns and styles displaying excellent taste, and needle work which should be rewarded with a Premium.

Class XL.

Men's and Boys' Clothing.

COMMITTEE:

J. L. BROOKS. F. ELWELL. E. BOUCHER.
L. SCHWEIKLY. C. BOYERS.

Report:

The goods exhibited in this department were stylish and well made. Each of the contributors offered some one or more articles specially meritorious, and your committe were disposed to award the premiums accordingly as follows:

To T. G. SANFORD, for the best fine Coat, Vest and Pantaloons.

To G. F. WALTER, for the best Business Coat.

To C. A. FLETCHER & Co., for the best Youth's Black Suit.

To JOSEPH & Co., for the best Boy's Clothing.

To M. BURKMAN, for the best Military Suit.

But if restricted by your rule to one award only, for Tailoring Work, then the Premium is due to T. G. SANFORD.

Your committee, however, consider the manufacture of Boy's Clothing a distinct branch of the Tailoring Business, and in their judgment a Premium should also be rewarded to JOSEPH & Co., for the Best Work in this line.

Class XLI.

Fancy Work in Hair, Sea Moss, Leather, &c.

COMMITTEE:

T. GROB. JAS. LINEN.

Report:

Reference to the Catalogue will show that this class embraced a large number of contributions, many of them works of great beauty and excellence. While the labor and pains bestowed upon others seemed, scarcely compensated in the effect produced; the failure being due not so much to the lack of skill and taste in design and execution, as to the unfitness of the materials for the uses attempted. To enumerate all the articles in this department would extend our report unreasonably, and your Committee feel obliged to confine themselves almost entirely to the mention of those to which they deem the awards due. But we desire to say that in our examination, we have found the merits of many of the contributions so nearly equal that it has somewhat embarrassed us to decide which was entitled to the preference; and had the rules of the Exhibition allowed it, we would have been tempted to a more liberal distribution of premiums.

The Fancy Hair Work of several of the contributors was highly creditable in both design and execution. But we think the Premium is due to MRS. ANNA STEIN GREENWALD, for the best Hair Boquet, (exhibited by R. Weber.)

Much taste was displayed in several of the Sea Moss Wreaths and Boquets. But in the judgement of your committee the Premium for the best piece of this work should be accorded to MRS. D. CONRAN.

MRS. S. ATKINSON, is entitled to the Premium for the best Fancy Leather Work Picture Frames, though other work in this line was scarcely less deserving.

A. LAWRENCE, (a blind boy), exhibited a variety of Bead Work Baskets, Vases &c., the ingenuity and beauty of which might have raised a doubt of their being the work of one deprived of sight. But the sceptical could be assured of the verity, as Master Lawrence was found almost every day at the Fair employed upon like work, and he is very properly entitled to a Premium.

The work of the pupils of the Blind Asylum, exhibited by MRS. CLARK, the principal, comprised many pretty and useful articles, showing a surprising proficiency and aptness very gratifying to all interested in the efforts made to lighten the lot of this unfortunate class of our fellow beings.

Other contributions in this department were highly deserving and your committee can only claim that in making the awards they have endeavored to act carefully and impartially without pretending to infallibility in matters of taste and judgment.

Class XLII.

Dress Making, Millinery, Fancy Goods.

SUB DIVISION—Dress Cutting.

COMMITTEE:

J. C. MITCHELL. MRS. STREET.

Report:

The value of a simple and reliable system of dress Cutting, which may be easily understood, and practiced by those who desire or are obliged, to cut garments for themselves and families of children, will be readily appreciated by most ladies and mothers. Your committee appointed to examine the "Mathematical Model" for cutting ladies' and children's dresses, designed and exhibited by MRS MARGARET CURTIS of this city, find it so simple and excellent that it cannot fail to be of the greatest service to those requiring an infallible instructor, assistant and guide in the important art of domestic dress cutting. It is worthy of the highest recommendation and the award of a Premium.

MILLINERY.—In the Millinery line, there were but two exhibitors, MME. PAULINE VERDIER and MRS. M. A. BUTLER, each of whom presented an elegant assortment of articles, tastefully made up from choicest selections of rich fabrics. It is difficult to believe that any display could surpass that made by these ladies, in elegance of style and the artistic management of the delicate and showy materials.

S. ROSENBLAT exhibited an assortment of rich and beautiful laces and elegant fancy goods.

MRS. H. GLAVE exhibited a case of elegantly made Babies' Clothing.

MADAME TEMME exhibited a variety of Fancy Costumes of various styles and periods.

MRS. GOUX exhibited Shawls, dyed in several colors to show the style of recoloring goods, worn or discolored.

Class XLIII.

Plain and Fancy Needle-work.

COMMITTEE:

MRS. JASON CLAPP, MRS. JONA. KITTREDGE,
MRS. G. E. BLASDELL.

Report:

The great number, variety, and nearly equal merits of many of the articles in this department of the Exhibition, rendered the duty of examination and award both laborious and delicate; but, governed solely by a desire to do impartial justice to each competitor, we hope to be accredited with fair intention and conduct, however the accuracy of our judgment may be questioned. As appears by the published catalogue, there are upwards of 120 contributors in this department, each having from one to twenty pieces from examination, and many of them of high excellence; but we feel that only partial justice could be done to the larger number of competitors in any attempt to specially notice other than the articles to which the awards are made, and therefore omit the usual enumeration and mention.

The Premium for the best Worsted Crochet Work (a buggy robe) is due to MRS. T. G. SANFORD.

MRS. W. S. CANAN, of Healdsburg—Premium for the best Needle work Picture ("Scene in Venice.")

MRS. R. VELASCO—Premium for the best Worsted Work in Flowers.

MISS HELEN ADAMS—Premium for the best Chenille Embroidery.

MRS. JULIANA BAYERS, of Sacramento—Premium for the best Bead and Worsted Work, and for the best Netting.

MRS. M. H PARKER—Premium for the best Crape Chenille Work.

MRS SPENCER POOL—Premium for the best, combined, Plain and Ornamental Needle-work (under garments).

MRS. E. DENNY—Premium for the best Tattin.

MRS. DRUEY—Premium for an elegant Down Cape and Trimming.

MRS. H. HALL—Premium for the best Silk Embroidery.

MISS VON ROON—Premium for the best Crochet Bed Quilt.

MRS SOUTHER—Premium for the best Knit Bed Quilt.

MRS. S. J. HILL—Premium for the best Patch-work Quilt.

MRS. C. HARVEY—Premium for the best Plain Sewing (shirt and chemise).

MRS. H. S. LOVE—Premium for the best Cotton Embroidered Collar.

MRS. NANCY BARTON—Premium for a Sun Bonnet, of superior style and make.

MRS. M. ANTHONY—Premium for the best Lace Embroidery.

MISS E. MAFFRE—Premium for an elegantly wrought Hearth Rug.

SUB-DIVISION—Manufactured Tobacco.

COMMITTEE:

J. W. SCHAFFER, T. A. HUENERT, CH. PAPPE,
J. P'RING, J. NEDAUX.

Report:

Your committee for the examination of Manufactured Tobacco find a large and very creditable exhibition of samples, in almost every form of preparation known in the market, and with such evidence of proficiency in manufacture, and the evident adaptation of soil and climate, in many portions of our State, to the growth of the plant, there seems to be no reason why the importation of this commodity should not soon be materially curtailed, and the larger portion of the amount expended for the indulgence, retained for circulation at home. The exhibition in this line was made wholly by two contributors—viz: J. B. HAMMA and R. F. GELIEN.

J. B. HAMMA exhibited samples of various kinds of Snuff and Smoking Tobacco, and is awarded the Premium for the best Maccaboy Snuff and for the best "German" and "Killikinnick" Smoking Tobacco.

R. F. GELIEN made a large exhibition of Snuff, Smoking and Chewing Tobacco, and your committee find him entitled to the award of Premium for the best French Rappee Snuff, and we also recommend that he receive a special Premium for his large and excellent exhibition of Chewing Tobacco, which was without competition.

Classes XLIV and XLV.

Curiosities and Miscellaneous.

COMMITTEE:

GEORGE J. HORE, CHAS. STEADMAN.

Report:

Your committee for examination of the articles found enumerated in the two classes above designated, together with an additional list of late entries, not catalogued or examined in the proper departments, have made such inspection as was found practicable; but in many instances it was not possible to obtain sufficient information respecting the origin and claims of articles examined, and we cannot assume to report a judgment upon such cases. We would suggest that exhibitors might promote their interests and facilitate examinations by placing with their contributions some description or specification of their claims.

PROF. A. DE LEO DE LAGUNA exhibited a large and very interesting collection of ancient and modern coins, medals, etc. Almost every age and people must have been represented in the Professor's cabinet, and he is entitled to the highest credit for this interesting and valuable collection.

E. HERMAN exhibits a case of admirably prepared Birds (Stuffed), and as the best in this line entitled to a Premium.

E. LORQUIN—A finely prepared Eagle (stuffed).

ROBERT MAYERS also exhibited specimens of Stuffed Birds.

— COHEN exhibited an interesting collection of Native Butterflies.

W. GREEN, of Napa, contributed a pair of Buck Horns, very remarkable for the regular curve and perfect correspondence of each branch to the opposite one in every minute particular.

A. WHITMAN exhibits two pairs of Elk Horns, interlocked and inseparable—evidently fastened in some combat of the animals, who were thus bound together to walk side by side through life. The horns are uniform in size, and are twined so handsomely that without the portions of the two skulls, attached, they would appear like double antlers springing from one head.

COL. WARREN'S museum embraced a large collection of rare and curious articles, of great interest and value. Nearly every department of human industry and natural production was represented, and the Colonel is entitled to great credit for the industry and zeal with which he devotes himself to these interests.

O. FULLER exhibits a very handsome Aquarium, of octagon form, containing a large and beautifully formed sheet of coral.

G. E. CROWELL exhibits a Model House, of paper material; and nothing in the Fair furnished the juvenile class of visitors so much enjoyment and satisfaction as this perfectly furnished and embellished Toy House. All the proportions and appointments were complete, even to the bed-room tapers and the clothes pins; showing a degree of ingenuity and mechanical skill which merits a Premium.

S. C. HIGGINS also exhibits a Model Rustic House, of paper material, not so complete in appearance as that before mentioned, but as the work of a lad of 15 years, is remarkably good, and deserving honorable mention.

MRS. NATHANIEL HOLLAND'S Skating Gallery, it is not necessary for your committee to say, is an elegant and pleasing parlor toy, which has been admired by thousands, old and young, while it has contributed largely to our patriotic charities. We are not informed as to the claims of originality, but consider MRS. Holland deserving a Premium for enterprise and skill displayed in producing this effective and handsome piece of scenic mechanism.

MEAD & SON exhibit Children's Rocking Horses, and are, as we learn, the only manufacturers of this article here.

MASTER H. CARLETON—Sample of Perfumery, of fine quality. Master Carleton, though scarcely in his teens, is said to be quite a proficient chemist and metallurgist. The sample of perfumery would certainly detract nothing from the claims of proficiency, and if placed in competition would have stood well for preference.

R. F. BROOKS—A case of Hair Dyes and Perfumery, handsomely put up, and no doubt equal to imported articles in the same line.

MRS. SICKEL exhibits Hair-Dyeing Tinctures.

MRS. CHAPMAN also exhibits Hair-Coloring Preparations, which is considered by your committee preferable to any in competition, as it purports to be a vegetable preparation, which produces its coloring effects without the aid of mineral ingredients.

DR. R. BECKFORD exhibits a preparation—"Golden Eye Water"—which, it is claimed, is an almost infallible cure for sore and weak eyes. Having no occasion to test the claims experimentally, your committee took the exhibitor's reference to a number of citizens of character, and their testimony as to its good effects was unqualified, and we do not doubt that it is a valuable composition for the purposes intended,

C. NEWMAN exhibits a very ingeniously contrived Box for the collection of railway fares. If any such contrivance will answer the purpose sought, this seems calculated to do so, and its ingenuity merits a Premium.

CHURCH & CLARK exhibit a Frame showing the styles of their pieces for Fire-works. The designs were very handsome and the arrangement tasteful. The complimentary pyrotechnic display made by this firm on the occasion of opening the Fair, comprised a great variety the richest and most brilliant pieces, and their extensive manufactory can supply all demands for every description of works in this line. Their enterprise and proficiency are deserving the highest award of the Institute.

W. H. JESSUP & Co. made an extensive and handsome exhibition of California manufactured Matches, of superior quality. It is gratifying to learn that this branch of our home manufactures is progressing successfully. We are informed by Mr. Jessup that their manufactory in this city is turning out upwards of one million matches per day, and the demand will require an immediate enlargement of their works. It is difficult to understand what becomes of this large number of these indispensable little conveniences; but since the consumption must continue, and increase, we hope that the enterprise of this firm will be abundantly rewarded. The company is well entitled to a Premium.

ROBERT DEAGG exhibited a Gang Plank, provided with an elevating floor, for loading freight. It appears well adapted for special uses.

A. DAVID exhibited a very handsome Bath Tub, provided with a heater, and apparatus for vapor, steam or warm water bath. It deserves honorable mention.

J. S. JARVIS, of Stockton, exhibited a number of old style Rush-bottomed Chairs, much more comfortable than elegant, though they were well made and finished; and if they can be furnished as cheaply, should be preferred to cane-seat or other description of common chairs.

MRS. S. BAKER—A pair of very handsome Buckskin Ladies' Riding Gloves.

J. BARMAN—A handsome lot of Terra Cotta Rustic Hanging Baskets and Brackets, deserving honorable mention.

E. DUDGEON—A number of Dudgeon's well-known Hydraulic Jacks; also a Hydraulic Punch. The merits of these useful appliances are so widely known that it is unnecessary to remark upon them here.

CARROLL & LEONARD, of Folsom, exhibited a model Key Bridge, which appeared highly meritorious.

OTTO & WEIDEMAN exhibited a liquid preparation, "Carboncum," said to possess the property of restoring the original qualities to steel which has been overheated or burnt. Samples of cast steel bar were exhibited, showing the grain and appearance of the steel in the original condition, burnt and restored; and it would seem to be a preparation of great value if its effects can be relied on to equal those upon the samples shown.

TURNER & HOFFMAN exhibited several very fine Silver Plate Framed Show Cases, which merit a special Premium.

E. MORRIS exhibited Shirts, Wristbands and Collars of domestic manufacture, and superior style and quality. Premium.

SUB-DIVISION—Confectionery and Candy.

COMMITTEE:

F. W. SMITH. R. A. ALBRECHT. AUG. HESS.

Report:

The undersigned, appointed to examine and report upon the samples of Confectionery and Candy Work on exhibition have inspected the samples in competition, and find the First Premium due to H. BERRE for a finely ornamented Fruit Cake.

EHRENFORT & Co. are entitled to a Premium for an excellent variety of Candies.

If it is consistent with the rules of the Exhibition we would also recommend that a Special Premium be awarded to the "Occidental" Hotel for the fine Confectionery Temple exhibited.

SUB-DIVISION—Laundry Work.

COMMITTEE:

A. DREYFOOS. F. LORD. THOMAS J. PELL.

Report:

Appointed a Committee for examination of the Laundry Work on exhibition, we have carefully inspected the lots in competition, all of which must be accounted work of the best class, and highly creditable to the competitors; but after impartial comparison we find the award of Premium due to L. LELAND & Co., "Occidental" Laundry.

[Written for the Mining and Scientific Press.]

Morning on the Sierras.

The orange light of breaking morn appears
Afar beyond Nevada's rocky spires,
And through the mist clouds of the valley deep
The silvery lake reflects the orient fires:
Beyond, the distant peaks of cloud like snow
In roseate tints are gaudily arrayed,
And, rising slow, the bursting sun peeps forth,
'Till all the stretching landscape is displayed.

All nature is awake, and with the sun
Puts forth the charm which budding Nature yields.
The woodlands, warbling with enchanting sounds,
The blooming vales, the garniture of fields—
The modest flower just peeping o'er the sod,
With pendant dew drops sparkling in the light,
That seem to speak unto my list'ning ear
And gently tell of some unknown delight.

The green-clad valley and the wood-crowned hill,
The forest deep, with many a moss grown shade,
And singing brook, that glimmers in the beams
Through threads of mist that now begin to fade;
Sky, valley, river lake and blooming light
Peep through the shadowy mist-cloud, rent and torn,
With beauty, rare, diversified and bright,
And, smiling, greet the dawning light of morn.

The eaglet rouses with the coming dawn
And circles o'er the mountains' distant hight,
The sea-gull courses o'er the ocean wave,
With wing bare-tipped in momentary light;
The hare, alarmed, springs through the rustling fern;
The owlet croaks from his sequestered bower;
The shrill lark carols forth his morning hymn,
In sweet notes swelling from his lofty tower.

And now the breezes of the morn awake,
And gently whisper as they flutter by,
And shake the dewdrops from the opening flowers,
Or wake the echoes with a plaintive sigh.
They rock the little wood-bird in his nest,
And, playful, ripple o'er the mountain stream,
Or rouse the woods from their majestic rest,
And stray where brightest fall the golden beams.

O, what a charm does early morn possess
To rouse the slumbering world again to life—
To give to age the ruddy hue of health,
And nerve the heart to conquer in the strife!
The brooks, the trees, and e'en the golden rays,
As through the pines so timidly they peep,
Awake sweet memories and fancies rare,
And give no food for meditation deep.

FLOY FAVORITE.

Virginia, Nevada, Nov. 23, 1864.

HOME FINANCES.

Nothing of much interest has transpired in financial or commercial circles this week. Transactions in Bank or in the open market were somewhat interrupted by the beautiful rains that fell almost unceasingly until Thursday last, and since then, the requirement for business purposes has not been active. Yesterday was regarded as a light "steamer day" among bankers and we could learn of no special inquiry for money outside of the legitimate demand to meet payments regularly made at such a period. Rates were ruling in bank at 1½@2 per cent per month for unexceptionable short paper and other good collateral security. On the street a wide range still prevails and as high as three per cent. per month is frequently paid to money lenders by those whose wants are pressing. The advent of a propitious rainy season, is hailed by all classes with the greatest satisfaction. Incalculable benefit to money interests throughout the interior will doubtless be the immediate result.

Receipts of treasure from the interior since Saturday last have been much lighter than usual and amounted to some $600,000. The branch mint in this city has taken about $250,000 of this amount. This establishment will be closed on Monday for annual settlement, but deposits of refined bullion for coinage, can be made until the 12th inst. The supply of bullion was light yesterday, and the requirement for shipment greater than was anticipated. Gold bars advanced to 840@850. Silver was quotable at former rates, 1 per cent. premium, to 2 per cent discount.

Exchange on the Atlantic cities for bills payable in currency were sold at 100@110 per cent premium on gold. Telegraphic transfers are still current at 4½ per cent. premium and sight drafts payable in coin at 2½@3 per cent. premium.

Legal Tenders have been comparatively steady during the week at 48@49c. A good demand prevails.

THE RECENT RAINS.

The recent rains have furnished an abundance of water for both miners and farmers. The miners, in all directions, are now busily engaged in making preparations for an active campaign. Picks, shovels, sluice boxes, hose, etc., are in great demand, and will be freely and energetically employed in attacking the great earth banks of deposit, which it is confidently expected will be thus forced to discount most freely, the coming winter. Already, in anticipation of the "good time coming," we begin to meet cheerful countenances and happy greetings wherever we turn. The hearts of all are filled with exceeding joy by reason of the copious outpourings of water, for which we have waited so anxiously, so patiently and so long. The streams are now all running banks full of the liquid that will open the bosom of the earth alike to the shining gold and to the golden fruit. Seed time and harvest are both close at hand.

It is seldom that the rain has come in such copious showers as has marked its advent the present year. Truly it may be said "the windows of Heaven were opened," for every part of the State has been favored in the largest desirable measure. Of course some damage has resulted, and some inconvenience has been experienced, but even the unfortunate forget their individual losses in view of the immensity of the public good. Even at this present writing we see no signs of any hold up to the rain, which is still falling as gently and moderately as could be wished for to accomplish the greatest good with the least possible evil.

We have received from Dr. Kibbe, who possesses one of the Smithsonian rain guages, the most perfect instrument for measuring the fall of rain ever invented, a record of the fall of rain in Grass Valley, from the 24th to the 28th ult. which reads as follows:—

"November 24th, 9 o'clock, A. M.—.41 25th—.03; 26th—3.93; 27th—2.57; 28th—1.82; total 8.76."

The above record, it will be perceived, is brought down only to Monday last at 9 A. M. Since that time probably not less than five inches additional have fallen. The Dr. has promised to furnish us with regular weekly reports. We see it stated that about 15 inches have fallen during the present season, thus far in Nevada. In this city the total fall since the 24th instant, up to Thursday evening, has been 6.21.

ANOTHER FAIR.—As will be seen by report of the regular meeting of the Mechanics' Institute that enterprising body has determined upon holding another fair in the autumn of 1865. Our citizens are now alive to the benefits and importance of such industrial exhibitions. With the experience of the present year, on the part of both exhibitors and managers, the coming fair will certainly be the most extensive affair ever undertaken on this coast, and must positively prove the grandest success.

APPOINTMENT.—W. O. Andrews, Esq., Notary Public, at 626 Montgomery street, has been appointed Commissioner for the States of Nevada, Massachusetts and Maine, and the Territory of Arizona. See his card in another column.

"STAND FROM UNDER."

On or about the 1st of January, 1865, we intend publishing a list of the Mining Companies which have long remained delinquent upon our books for advertising, together with the names of the Secretaries and Trustees, in cases where ample reasons for non-payment are not given. We intend that this list shall be a public warning. Let those interested read and heed.

AN HERMETICAL BARREL.—Petroleum has developed a necessity which has been the mother of another invention. It is well known that crude and refined oils, from their great permeability, readily penetrate through all wooden barrels or packages hitherto used, so that their loss from leakage and evaporation has been a large per cent., amounting to millions of dollars annually. To prevent this, metallic barrels, metal-lined barrels, etc., have been substituted, but only to prove impracticable. Louis S. Robbins, of New York, says the *Scientific American*, has discovered that by first coating a barrel with drying linseed oil, which answers to the cuticle of a tree, and then treating the wood of the barrel from the inside with a strong solution of potash—the natural circulating medium or blood of vegetation—that each barrel so treated will take up about eighteen pounds of water, which, from the oil coating on the outside can never evaporate, nor can the oil pass through, thus making it essentially and positively a hermetical package. Barrels so treated have been filled at the oil wells of Oil Creek, and after several transshipments and delays of several weeks on the way, have arrived at the Erie Railroad depot, Jersey City, in perfect condition, clean, dry and odorless as so many barrels of flour. They have not lost a drop of their oil in their passage. These barrels have never been coppered, nor will they ever require to be. Dealers and shippers in oil are daily visiting this remarkable shipment of oil, and speak of it as one of the greatest discoveries of the day. It not only applies to petroleum, naptha, benzine, turpentine, etc., but to all oils, fluids and semi-fluids. For butter, lard, etc., it furnishes an invaluable package, etc., absolutely insuring it against loss by leakage, absorption, evaporation, or taint.

THE RIVOT PROCESS COMPANY.—The certificate of the above styled company was duly filed in the County Clerk's Office of San Francisco on the 28th ult. The object of the association is to conduct the business of making, using, selling and licensing Rivot's Improvement of treating argentiferous and auriferous ores. Capital stock, $1,000,000, divided into 10,000 shares of $100 each. The said corporation shall exist for thirty years, and their principal place of business shall be San Francisco. Trustees: Jacques Gallairdon, William Burting, and J. B. E. Cavallier.

NEW YORK NEWSBOYS.—One of the most interesting features of the "Newsboys' Lodging House" in New York city, is a table full of holes, which are numbered, and in which the boys are encouraged to save their money, some of them saving from twenty to thirty dollars per month. Some of these boys evince considerable business sagacity. As an instance, two of the lads have just started for Europe, worth two thousand dollars each—the result of their earnings.

PROFESSOR SILLIMAN has recently made an examination of the quartz ledges and gravel ranges between the Middle and North Yubas, and pronounced the region between the two rivers far richer in minerals than the Washoe country. He considers the ledges about Grass Valley unequaled by those of any quartz region he has visited, exceeding certain sections of Arizona.

WOOD PAPER.—A city contemporary intimates that the manufacture of wood paper is a failure. Such would hardly appear to be the fact when the American Wood-Paper Co., at Providence, R. I., has just advertised for 10,000 cords of wood suitable for their use.

RAPID INCREASE.—During the last four years the juvenile population of San Francisco—children under twenty-one years—has more than doubled.

THE famous, though ill-fated ship Aquilla, is now lying moored off the wharf at Steamboat Point, between Second and Third streets.

THE fish oil of the Eastern fisheries which sold for nine dollars a barrel a few years ago, now brings forty dollars.

THE flax crop in Ireland this year is very large. In the raw it will be worth at least five million dollars.

EIGHT thousand miners are now on the strike in England.—*Exchange.*

There are 20,000 in this State who will strike, now the rain has come. Miners live by striking.—*G. V. Union.*

Professional Cards.

W. O. ANDREWS,
NOTARY PUBLIC,
—AND—
Commissioner of Deeds for the State of Nevada and the Territory of Arizona,
AND FOR THE
STATES OF MASSACHUSETTS AND MAINE.
Office, Montgomery Block, 628 Montgomery Street,
10v8-2m SAN FRANCISCO.

Gregory Yale,
ATTORNEY AT LAW.
Office—On Second Floor of Sather & Co's Bank, corner of Montgomery and Commercial streets, Nos. 2, 3 and 4, San Francisco. 1v9m

T. C. SANBORN & CO.,
MR. T. C. SANBORN having resumed business at the Stock Exchange will, from this date, attend to orders for the purchase or sale of Mining Shares and other Securities.
613, corner Montgomery & Merchant sts.
San Francisco, October 22, 1864. 18v9-tf

B. J. MATHEWS. WM. H. H. FALL.
Mathews & Fall,
Real Estate, Stock and Money BROKERS.
Stocks, Government Securities, etc., bought and sold exclusively on commission. B. J. MATHEWS member San Francisco (first) Board of Brokers. Office, No. 728 Montgomery street, Rooms Nos. 2 and 3. 1v9m

FREDERICK MANSELL.
Mechanical & Architectural Draughtsman,
No. 422 California street, corner of Leidsdorff.
Drawings of MODELS made for parties applying for patents at Washington or London. mar23-tf.

N. LOMBARD INGOLS,
Accountant and General Factor,
310 & 706 Montgomery Street, and
Room No. 24 Government House,
Corner Washington and Sansome Streets, San Francisco.
Address Box 2128, Post Office, San Francisco. [18v9

GEORGE H. BAKER,
Lithographer & Engraver,
No. 522 Montgomery St., San Francisco.
MINING STOCK CERTIFICATES LITHOGRAPHED IN MOST ARTISTIC STYLE. CALL AND EXAMINE SPECIMENS.
10v8-tf

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
No. 413 Market street, San Francisco. n7-tf

LEANDER RANSOM,
Civil Engineer and Surveyor,
Having been connected with the public works of the State of Ohio for 20 years, and the public surveys of the State of California for 7 years. Also STATE LOCATING AGENT, and as such having the sale of
600,000 Acres of State School Lands,
At the low price of $1.25 per Acre. Terms; Twenty per cent in cash and the balance on a credit of several years.
7v9-tf Office, 328 Montgomery street.

Beware of Chloroform!
TEETH extracted without pain by the use of an apparatus wherewith no Drugs are used. Being a local agent applied to the gums only, no fear need be entertained, as it is sure and safe. All operations appertaining to the Dental Art performed in a skillful manner. Teeth inserted in every style.
DR. E. BELLE, Dentist.
No. 408 Pine street, near Montgomery. 17

ATWILL & CO'S
Washoe Agency---Real Estate, Commercial and Mining.
AT VIRGINIA CITY, NEVADA.
ATWILL & CO. continue to give prompt and faithful attention to all Orders and Commissions forwarded to them. Having been in the State since April, 1850, they are well informed of the value of every kind of property, either Real Estate or Mining Interests, as also of almost every firm or person doing business.
ATWILL & CO. Collect Notes, Debts, Assessments, etc. etc; Receive Merchandise on Consignment; attend to Mining Agency; Money Transactions negotiated for Real Estate, Mortgages and Mining Stocks; Money Loaned and Advanced on Goods consigned for sale at Auction or Private Sale. Regular Sales of Real Estate, Mining Stocks and Merchandise, every THURSDAY, at Auction; also every description of Notarial Business attended to. Commissioner for California and most of the Atlantic States.
ATWILL & CO.,
20-3m No. 62 South C street, Virginia City, Virginia

G. F. DEETKEN,
MINING ENGINEER.
HAVING DISPOSED OF MY INTEREST IN THE DEETken & Co. Metallurgical Works, on the San Bruno Road, I offer my services to the Mining Community, to Superintend the starting of new Mills, to report upon Mines, and furnish correct Surveys and Maps thereof.
Drawings of Mining Machinery executed in the best style of the art. Small lots of Gold and Silver Ore Reduced carefully by the best known methods.
My old friends are respectfully invited to continue the patronage which I have enjoyed in this State the last ten years. Parties wishing to communicate, can do so through J. W. McKenzie, No 406 Montgomery street. 15-tf
San Francisco, October 1st, 1864.

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Trades and Manufactures.

BUSWELL & CO.,
Book-Binders, Paper-Rulers,
And Blank-Book Manufacturers.
No. 509 Clay street and 508 Commercial street, between Montgomery and Sansome, San Francisco. 4v8-tf

EDWARD BOSQUI & CO.,
517 Clay Street, San Francisco,
Book-Binders, Paper-Rulers,
And Blank Book Manufacturers.
Blanks of all kinds printed and ruled to any desired pattern. [2-tf

ARMES & DALLAM,
IMPORTERS AND JOBBERS OF
WOOD AND WILLOW WARE,
Brushes, Twine, Cordage, Etc.,
And Manufacturers of California Pails, Tubs, Brooms, Etc.,
217 and 219 Sacramento St., between Front and Davis,
2-tf SAN FRANCISCO.

JOHN DANIEL,
(SUCCESSOR TO O. GORI)
MARBLE WORKS,
No. 408 Pine st. bet. Montgomery and Kearny, San Francisco.
Mantels, Monuments, Tombs, Plumbers' Slabs,
Etc., On hand and Manufactured to order.
☞ Goods shipped to all parts of the State. Orders respectfully solicited. 5v8-3m

HUCKS & LAMBERT,
ORIGINAL MANUFACTURERS OF THE
Celebrated H. & L. Axle Grease,
Natoma and Minna streets, San Francisco.
THIS COMPOSITION IS PECULIARLY ADAPTED FOR Quartz Mill Machinery, Heavy Bearings, etc., for which purpose it has a widely extended reputation. 22v8-3m

PHILLIPS & CO.,
(Successors to W. H. Baxter & Co.,)
—MANUFACTURERS AND IMPORTERS OF—
HARNESS AND SADDLES,
BRIDLES, WHIPS, COLLARS, SADDLERY WARE, Etc.,
407 Battery Street, between Clay and Merchant Street, San Francisco.
N. B.—All kinds of Work made to order and Warranted. Jobbing done with neatness and dispatch, and on the most reasonable terms. 2-tf

WANTED,
Gold Quartz suitable for Cutting Jewelry.
By **FRONTIER & DEVIERCY.**
437 Pine Street, San Francisco.
au3tf.

Ore Bags.
10 000 HAND SEWED GOLD AND SILVER ORE Bags, 100 lbs each. 15,000 Chicken Gunny Pocket Bags, suitable for Copper Ore, 125 lbs each. For sale in lots, by REYNOLDS, HOWELL & FORD,
11v8-m 313 and 315 Davis Street, San Francisco

J. H. GRUSH, J. A. PEER, W. BUSHMAN
GRUSH & CO.,
Pattern and Model Makers.
Drawings Made for Engines, Mills, Water Wheels, Mining Machinery, Etc.
—ALSO—
WOOD WORK FOR ALL KINDS OF MACHINERY.
☞ SCROLL SAWING DONE TO ORDER. ☜
Fremont St., between Market and Mission, San Francisco. 3-3m

RIFLES, GUNS AND PISTOLS.

WILSON & EVANS WHOLESALE AND Retail dealers in fire-arms, have constantly on hand a full supply of plain and fancy pistols of every description.
Henry's Repeating and other Rifles.
CARTRIDGES for all sizes of rifles and pistols, together with a full assortment of double guns from the best English makers.
Sole agent for the sale of the celebrated "Greener" London guns. **WILSON & EVANS,**
613 Clay street, San Francisco.
122 J street, Sacramento. 3-6m

H. Manneck & Co.,
Manufacturers of every description of
PAPER BOXES,
AND DEALERS IN
Straw Board and Fancy Papers,
Commercial Buildings, Northwest corner of Battery and Pine streets—entrance on Pine, San Francisco.
H. MANNECK & CO. are the only persons on this Coast who manufacture Paper Boxes by Machinery, consequently they can fill orders at a lower rate than any competitor
☞ All orders promptly attended to ☜
F. STAMPFLI. [16] H. MANNECK.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

REVOLVING
IRON AND WOOD SHUTTERS
—FOR—
Buildings and Safes,
Manufactured by
ALEXANDER GRAFTON & CO., LONDON.
TO BE HAD OF
BROCK JOHNSON,
No. 28 Government House, corner of Washington and Sansome Streets, San Francisco,
at from
Three to Five Shillings per Superficial Foot, Including All Winding Gear Ready for Fixing.
Every Description of Brass Sash Bars and Stall Plates Manufactured to Drawings and Specifications, from Three Shillings per Foot run. 16-tf

Metallurgy.

G. E. MOORE,
Assayer and Analytical Chemist,
Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.
REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

ASSAYS AND TRADE CHEMISTRY!
Promptness and Accuracy Secured,
BY THE USE OF THE MOST IMPROVED METHODS OF ANALYSIS!
J. H. CHURCHILL, M. A.,
Consulting Chemist, [from Europe.]
No. 308 Front St., S. E. corner of Commercial Street.
Refer to the Editors of this journal.
☞ "HINTS FOR PROSPECTORS" free by post. 1tf

To Prospectors.
THE Directors of the San Francisco PACIFIC METALLURGICAL WORKS offer the following inducements to Prospectors:
NOTICE.—Knowing it will benefit our country to have it well prospected, we agree, if any party will forward us samples of minerals of any kind for assay, express paid, inclose TWO DOLLARS for the same, to return them a correct assay, with the best method of working, and feasibility of having the same worked in this city.
WORKS—North Beach. OFFICE—511 Sacramento street.
Box 511, Post Office, San Francisco. [v9-20tf

S. W. HOWLAND,
COPPER CRUSHER AND SAMPLER.
All Work done at the Shortest Notice.
No. 24 California Street,
Between Davis and Drumm,
In the Rear of Thomas' Planing Mill,
16-q SAN FRANCISCO.

EUROPEAN
METALLURGICAL WORKS.
Bryant Street, Between Third and Fourth, San Francisco.
THE Proprietors having recently added to this Establishment the latest and most approved Machinery for the Reduction and Testing of ORES of all sorts—either in large or small quantities—are prepared to test Ores by such process as may be ascertained best suited to their chemical character, after a careful analysis being first made. Assays, either in the humid or dry way, made of all Minerals. Also, Refining and Cupellation attended to.
☞ Particular tention paid to the Smelting of Copper and Silver Ores.
S. P. KIMBALL J. R. MURPHY.
14-3m

Volcanic Smelting Furnace.
PERSONS desiring information as to the Use and Economical properties of this Furnace, and intending to make use of the same, when satisfied of its superiority over all other means of reducing ores and separating metals from the sulphurets, can obtain all needed explanation and advice in regard to the same, and the terms of sale of rights to use the same, on application to Col. J. D. Stevenson, or Mrs. E. J. Hall, Proprietress, 633 Third street, San Francisco.
Drawings may be seen at the office of Col. J. D. Stevenson, No. 614 Merchant street.
The time required for reducing ores by this Furnace is from one to eight hours, and the amount of fuel only one-tenth as much as is consumed by other processes
The process of condensation is applied to this Furnace which will save all those portions of precious metals which usually escape in a volatile form.
The attention of all interested in the subject is requested to examine the important results obtained by this process.
Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.
v9-20tf **MRS. E. J. HALL, M. D.,** Proprietress.

Evening Instruction in Anylitical Chemistry and Assaying,
Conducted by Thomas Price.
(Agent for the Swansea Ore Importers in California.)
HAVING FITTED UP A LABORATORY ESPECIALLY for instruction in Analysis and Assays, the subscriber begs leave to announce that
A NEW CLASS WILL BE FORMED
On the 1st of June. For terms apply at the Laboratory, on the evenings of Tuesday and Saturday at 7 o'clock; or at the office of the "Pacific Mineral Company," Odd Fellow's Hall, Montgomery street. THOMAS PRICE.
San Francisco, May 10th, 1864. 20

A New Light for Manufactories.

Professor Seely, of this city, has obtained a patent for an electrical light on a principle which very strangely does not seem to have been thought of before as the best and by far the most economical mode of producing light by electricity. He employs the current generated by an ordinary frictional electrical machine, and obtains the light by interrupting the current. It has long been known that a very brilliant and steady light might be procured in this way, but the objection to its use is the uncertainty in the action of the frictional machine. Dry air is a very poor conductor of electricity, and when a machine is excited in such an atmosphere the electricity will remain in tension for a considerable time. But moisture in the air conducts the electricity away, and when the moisture reaches a certain point the fluid is removed so rapidly that the machine will not work. Professor Seely's invention consists in making the action continuous in all weathers. This is effected by surrounding the machine with a glass case, and keeping the air within the case dry by means of chloride of calcium or other hygroscopic substance.

It has been observed that when the conductor of an electrical current is interrupted in a way to draw a spark across the break, the brilliancy of the spark varies with the material by which the conductor is terminated at the break. Professor Seely is now engaged in experiments to ascertain what material will produce the most intense light."

If the apparatus works according to anticipation a cotton mill may be lighted without any current expense, except the small power to turn the electrical machines. As in mills driven by water there is always a surplus of power during the winter months, the only time when lights are required, there would be no expense for this light except the first cost of the apparatus, which would be quite moderate. —*Scientific American.*

PATENT-LEATHER belts are used in England for out-door work. They are said to be impervious to damp and retain their length in all weather.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc. When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 240 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-tm

NOVELTY IRON WORKS,
Steam Engine, Boiler and Machine Shops.
STEAM ENGINES AND BOILERS OF ALL KINDS ON Hand and Made to Order. Quartz, Saw and Flour Mills and all other kinds of Machinery, Made to Order, Bought, Sold, or Exchanged.
Reynolds' Variable Cut-Off Saves from 25 to 60 per cent. of Fuel.
WINANS' ANTI-INCRUSTATION POWDER for Steam Boilers, a *SURE REMEDY*. Send for Circular.
E. T. STEEN.
Nos. 39 & 41 Fremont, and 42 & 44 Beale Sts.
21v9tfq SAN FRANCISCO.

MINING LAWS AND FORMS.
Third Edition revised and enlarged.
Compiled by H. B. CONGDON.
THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.
Published by H. H. BANCROFT & CO.

QUICKSILVER
FOR SALE BY
S. F. BUTTERWORTH,
Corner Front and Jackson Streets,
v9-19 SAN FRANCISCO.

For Sale Cheap,
A Boiler and Engine, in complete order, of the capacity of **Twenty-five Horse Power.**
19 Inquire at this office.

Industrial Drawing Academy.
No. 408 Pine Street, near Montgomery.
Open for pupils every Evening from 7 to 10 P. M. Architectural and Mechanical Drawing classes now forming. Parties wishing Drawings executed by practical Draughtsmen in either of those branches may have it done by calling at the Academy.
12-3m **P. BELLE.**

Miscellaneous.

BLASTING
POWDER.
EDWARD H. PARKER,
No. 224 California Street,
Agent of the
Hazard Powder Company.

WM. T. COLEMAN & CO.,
70 WALL STREET,
NEW YORK.
BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.
Buy and sell Exchange on California, Oregon and Western Cities.
Grant Letters of Credit, available in any part of the United States.
Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.
Receive consignments of produce from California and Ports in the Pacific.
Make advances upon approved merchandise consigned to our San Francisco house.
Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.
Buy and sell and charter Vessels for all trades.
AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.
Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. the par value is always required.
We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,
70 Wall street, New York,
18v8 And California and Front streets, San Francisco.

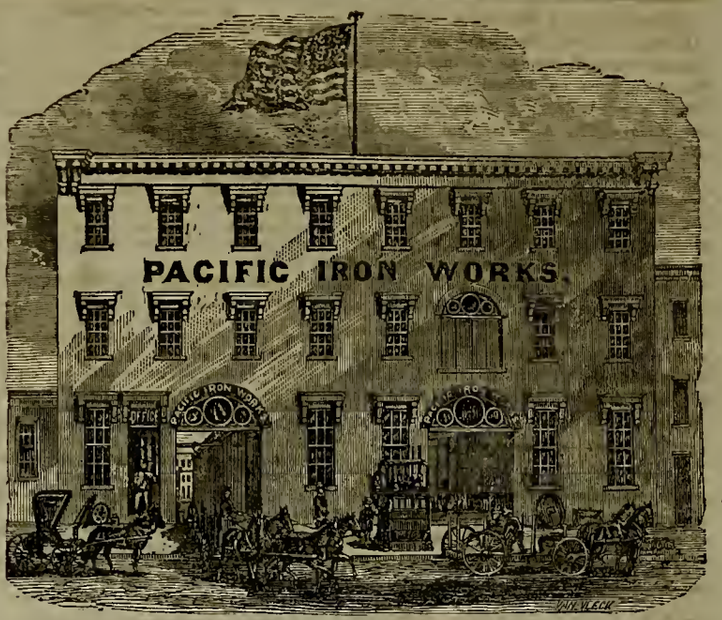
Advance Made on Copper Ores,
WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.
WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,
PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco,

IMPORTANT DISCOVERY
—IN THE—
Photographic Art.
Jacob Shew's
CHROMATIC PROCESS OF PRINTING PHOTOGRAPHS.
[PATENT APPLIED FOR.]
THE UNDERSIGNED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a
SOFTNESS, CLEARNESS AND DELICACY OF TONE
unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.
In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privilges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.
☞ The public are invited to examine specimens at my Gallery. ☜ **JACOB SHEW.**
6-tf 315 Montgomery street, near Pine.

RAILROAD HOUSE.
316, 318 & 320 Commercial Street,
SAN FRANCISCO.
THE Undersigned respectfully notifies his Patrons, and the Public generally, that he has assumed the entire charge of above popular House, and having had it thoroughly renovated, he flatters himself it will compare favorably, in point of comfort and cleanliness, with any House in the city. It is his intention to make it a First Class
Family Hotel.
Being conducted on the European plan, it is not only the CHEAPEST RESPECTABLE HOTEL, but the most convenient as guests can choose their own hours of eating. The Restaurant is now conducted by G. V. DAWSON, Esq., formerly of Sacramento, late of Marysville, whose name is a sufficient guarantee of the best of living.
The Railroad House Coach conveys passengers to the hotel FREE. Barber Shop, Bath Rooms, Steam Baths, etc., connected with the House.
15-q **C. L. ROSS, Proprietor.**

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*



THE PACIFIC IRON WORKS,
First & Fremont Sts., between Mission & Howard, San Francisco.
The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated
Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c. Orders respectfully solicited.
GODDARD & COMPANY.

Machinists and Foundries.

VULCAN IRON WORKS CO.,
[ESTABLISHED 1850.]
No. 137 and 139 First Street.
IRON FOUNDERS, STEAM BOILER MAKERS AND
STEAM ENGINE BUILDERS.
THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Lathes to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 300 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.
MACHINERY
Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.
Quartz Stampers, Shoes & Dies,
Warranted to be made of the very hardest and toughest Iron.
RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.
A Published list of the Patterns of these Works will be sent on application.
MANUFACTURERS OF
JONVAL'S TURBINE WATER WHEELS,
The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

D. D. HINCKLEY, WM. E. WORTH, WM. A. FIELD
FULTON
FOUNDRY AND IRON WORKS.
Hinckley & Co.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.
THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS,
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.
EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with dispatch at the Miners' Foundry and Machine Works, as:
Steam Engines and Boilers, Flour, Saw and Quartz Mill Machinery Mining Pumps, Amalgamators, Retorts, Etc., Etc.
Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
*** Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABLishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

JOHN F. GALLAGHER..... JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY
And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.
CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] 12tf

MEETING OF THE MECHANICS' INSTITUTE.—The regular monthly meeting of the S. F. Mechanics' Institute was held at the Library of the Association, on Thursday Evening last. The principal subject for discussion was the resolution of Mr. A. S. Hallidie, instructing the Directors to make all necessary arrangements for holding an exhibition in 1865, which resolution was laid over from a special meeting held last week. The matter was well discussed by President Britton, Messrs Taylor, Nunan, Porter, Harrison and others, and the resolution unanimously adopted. The Treasurer's report shows the receipts of the late Fair to have been about $41,000 against an expenditure of $36,000. Considerable interest seems to be felt in the matter of holding another Exhibition, and the attendance was larger than usual.

CORRECTION.—It was Hendrickson's chimney top, which worked so successfully on the smoke-stack of the engine at the recent Mechanics' Exhibition, instead of Harris', as we inadvertently stated last week.

1852. 1864.

TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1852.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

Serial Romances in the Golden Era.

The most popular Novels of the present day—

"THE DOCTOR'S WIFE," by Miss Braddon.

"OUR MUTUAL FRIEND," by Charles Dickens;

published as Serials, from week to week, in THE GOLDEN ERA, from advance sheets, simultaneously with their appearance in the English and Atlantic Periodicals.

Among the Contributors to the GOLDEN ERA are all the prominent writers of Literary Repute in California, and on the Pacific Coast; also correspondents and contributors of distinguished talent in the Atlantic States and Europe; including "Orpheus C-Kerr," Fitz Hugh Ludlow, G. B. Densmore, "Mark Twain," Dan De Quille, Florence Fane, Miss Emma Hardinge, Sarah E. Carmichael, Aanie E. Fitzgerald, "Occasia Owen," Alice Mason, William Simpson, Chas. F. Stoddart, "Iua," H. C. Williston, "Albion," "Fairfax," Bouncel, Mary Kyle Dallas, Margaret Hosmer, and many other accomplished writers of Fiction, Romance, Novels and Stories; Poetry, Essays, Sketches, etc., etc., comprising an array of Talent and Genius unapproached by any Literary Journal in California, the Atlantic States or Europe.

The proprietors of the GOLDEN ERA announce the receipt of advance Sheets of Miss M. E. Braddon's New Novel,

The Doctor's Wife,

The most brilliant effort of the celebrated author of "Aurora Floyd;" "The Outcasts;" "Three Times Dead;" "Lady Audley's Secret;" etc., etc.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

The GOLDEN ERA, One Year.....Four Dollars.
The GOLDEN ERA, Six Months.....Two Dollars.

THE TWO GREAT SERIALS,

"OUR MUTUAL FRIEND,".....by Charles Dickens.
"THE DOCTOR'S WIFE,".....by Miss Braddon

"THOUGHTS AND THINGS,"

APPEAR WEEKLY IN THE GOLDEN ERA,

Read "Thoughts and Thiags" in the GOLDEN ERN.

SUBSCRIBE FOR THE COLDEN ERA.

One Year.....$4 00 Six Months.....$2 00

To Mail Subscribers.

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Sent from the Office to any Address in California and Oregon—Nevada, Washington, Idaho, Utah and Colorado Territories—the Atlantic States, Europe, and all parts of the World.

Subscriptions to be Paid in Advance.

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Take care to write distinctly the name of the person; the name of the city, town or locality where the Post office is situated, and the name of the County and State, in order that the paper may be fully and accurately directed to every address.

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Parties (living remote from localities where agents are located) forming a club of five yearly or half-yearly subscribers, and forwarding the subscriptions (by letter registered and postage paid) to the office of publication in San Francisco, will be entitled to an additional copy of The GOLDEN ERA for the term of one year, or to retain the equivalent in cash.

AGENTS in every part of the State receive subscriptions for the GOLDEN ERA.

POSTMASTERS in California, Oregon, and neighboring Territories, obtaining subscriptions for the GOLDEN ERA and forwarding the same, with name and address of the subscriber, will be allowed a commission therefor.

PARTIES residing in localities where no Agents are established will forward their subscriptions by mail.

SUBSCRIBERS will be careful in writing as plainly and fully as possible, the direction of papers to be sent to any part of California, the Atlantic States, or elsewhere.

Now is the Time to Subscribe.

TO ADVERTISERS!

Best Advertising Medium—The "Golden Era" is the oldest Weekly Journal in California, and indisputably enjoys by far the largest circulation in the city of San Francisco and in the interior of the State.

THE GOLDEN ERA

Is universally read in every city, town, village, and mining and agricultural precinct in California, and offers unusual and unequaled advantages to those who desire to bring their business prominently before the community. Only a limited space is devoted to advertising. All advertising pages are also largely occupied with fresh and interesting reading matter, and no advertisement can escape attention. The charges for advertising are not so large, proportioned to the benefits derived, as those of other papers. Liberal terms will be made with those who advertise for three or six months, or by the year.

COLDEN ERA POSTACE.

POSTAGE on the COLDEN ERA, to Mail Subscribers, in California and throughout all the States and Territories of the Union, per quarter, (3 months).... 5 cts.
To be paid quarterly, in advance, either at the Office of Mailing or Delivery.
POSTAGE on the GOLDEN ERA, Single Copies, transient, to be prepaid by stamps..... 2 cts.
POSATGE on the GOLDEN ERA, to Mail Subscribers in the county (San Francisco) where published..... Free.

TO MAIL SUBSCRIBERS.

The Colden Era, for One Year..... $4 00
The Golden Era, for Six Months..... $2 00
The Golden Era, for Three Months..... $1 00

Subscriptions to be Paid in Advance.

BROOKS & LAWRENCE,
COLDEN ERA BUILDING,
543 Clay st., near Montgomery, San Francisco.

Machinery.

BLAKE'S

QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars contalning further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.
CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability;

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE
Self-Regulating Horse Power

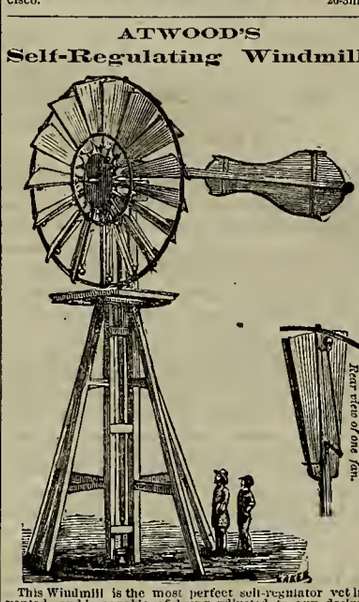
Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S
Self-Regulating Windmill.



This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

Hudson's Improved Pump,

For sale and made to order any size desirable. Call and see.

Plumbing and Gas Fitting in all its Branches.

No. 33 Webb Street, Entrance on California or Sacramento, above Montgomery.

9-dfatf A. J. SMITH,

FARRAND'S
Oscillating Amalgamator,
RECEIVED THE
ONLY PREMIUM
AWARDED FOR AMAGAMATORS
At the Recent Industrial Fair
OF THE
Mechanics' Institute of San Francisco.

Committee of Awards.

O. BELDEN, W. T. GARRATT, H. P. WAKELEE,
O. GORI, GEO. JOHNSON, C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, whilst the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulppurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,
R. L. OGDEN, Agent, SAN FRANCISCO.
S. E. corner Montgomery and California streets.
v9-I9

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where.

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.] HEPBURN & PETERSON.
nov8 3m*

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from which it passes again to the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st. 1864. 1v8-tf

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to attend and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen; Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,
At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
15-1m

Canvassing Agent Wanted

For the Mining and Scientific Press.

An experienced, prompt and reliable agent can secure a desirable and lucrative engagement by applying immediately at this office.

MEYER & SEIFERTH,

Makers of Models for Inventors and Mining Tools,

MANUFACTURE Assayers' Scales, Weights, and all articles used by Assayers; Mathematical, Optical, and Mining Instruments repaired and adjusted; Patterns, Small Steam and Air Engines (of the newest construction), and Hydraulic Pressure Pumps, made to order.

No. 531 Market Street, opposite Sansome, San Francisco.
21v9-tf

PREMIUMS.

1st Premium, at Sacramento Fair.....1862

1st Premium, at S. F. Bay District....1862

1st Premium at Sacramento.....1863

1st Premium, at San Francisco.....1864

1st Premium, for Cordials.....1864

1st Premium, for Hygienic Bitters....1864

Awarded to

23v9 V. SQUARZA.

New Mining Notices.

Manzanilla Mining Company, Sinaloa, Mexico.

NOTICE.—The Semi-Annual Meeting of the Stockholders in the above named Company, for the purpose of electing Trustees, and the transaction of such other business as may come before the meeting, will be held on Wednesday, December 14th, 1864, at 7½ o'clock, P. M., at the office of the company, No. 706 Montgomery street, San Francisco. A full attendance is requested, as business of importance will be brought before the meeting. By order of the Board of Trustees. E. C. McCOMB, Sec. pro tem.

23

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable immediately, in United States gold and silver coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the] sale. By order of the Board of Trustees.

OEO. A. HILL, Secretary,

Office, No. 418 Montgomery Street, San Francisco, Cal.
dec3-23-4

Rogers' Silver Mining Company, Flowery District, Storey County, State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 1st day of December, 1864, an assessment of two dollars per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, at his office, No. 103 California street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Thursday the 5th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold at public auction on Monday the 23d day of January, 1865, at 12 o'clock M. of that day, by John Middleton & Son, at No. 400 Montgomery street, San Francisco, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JNO. F. POPE. Secretary.

San Francisco, Dec. 3, 1864. 23-4

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander County, Nevada.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 17th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
Ira Wadleigh	1	80	$20 00
Ira Wadleigh	3 to 7 inc—ea 40	200	50 00
Ira Wadleigh	8 to 25 inc—ea 20	360	90 00
J B Barnett	26	50	12 50
J B Barnett	27 28—ea 20	40	10 00
B T Hunt	34	80	20 00
B T Hunt	35 36—ea 40	80	20 00
B T Hunt	37 38—ea 20	40	10 00
P H Lovell	39	200	50 00
P H Lovell	40 41—ea 100	200	50 00
P H Lovell	42 43—ea 80	160	40 00
P H Lovell	44 45—ea 40	80	20 00
P H Lovell	46 47—ea 20	40	10 00
Samuel Titus	48	90	22 50
W H Cladwin (Ira Wadleigh)	54	80	20 00
P H Lovell	55	40	10 00
C Greenwood	56	100	25 00
C Greenwood	57	50	12 50
C Groenwood	58 59 60—ea 25	75	18 75
C Greenwood	61 62—ea 20	40	10 00
C Greenwood	63 64—ea 10	20	5 00
C Greenwood	65 66 67 68 69 70 71—ea 5	35	8 75

And in accordance with law, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery st., San Francisco, California, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment, together with costs of advertising and expenses of the salo. C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets, San Francisco, California. 23

Santa Cruz Petroleum Oil Works Company, Santa Cruz County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 31st day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Broughton, W W	385	100	$12 50
Broughton, W W	419	52	6 50
Broughton, W W	429	100	12 50
Bennet, Mary S	205	10	1 25
Bennet, Mary S	305	1	12
Boynton, J F	230	1	12
Bennett Dr Geo	306	8	37
Bennett, Dr Geo	307	10	1 25
Bennett, Dr Geo	308	10	1 25
Brennan, James	591	300	37 50
Boynton, Miss J	477	10	1 25
Baldwin, A	455	100	12 50
Bralley, Pat	505	10	1 25
Bralley, Pat	556	10	1 25
Blaisdell, Mrs E F	71	10	1 25
Blaisdell, Mrs E F	259	1	12
Blaisdell, Mrs E F	462	10	1 25
Cummings, Chas O	87	1	12
Cummings, Chas O	88	2	25
Cosgrove, P C	133	5	62
Cosgrove, P C	136	5	62
Carr, Mrs A L	211	5	62
Carr, Mrs A L	212	5	62
Carr, Mrs A L	310	1	12
Carr, Mrs A L	571	5	62
Cram, Mrs E	401	6	75
Curtis, Lucien	584	6	75
Curtis, Lucien	594	25	3 12
Cooper, J B L	578	15	1 87
Campbell, Catherine E	596	100	12 50
Canterlick, Geo	605	41	5 12
Cobb, H A	013	100	12 50
Dustin, C H	98	2	25
Dustin, C H	99	2	25
Dustin, C H	100	1	12
Durney, A F	135	10	1 25
Durney, A F	2 6	1	12
Derrick, W H	570	10	1 25
Derrick, W H	573	100	12 50
Derrick, W H	586	11	1 37
Donnelly, Thos	507	35	4 37
Edson Benj	592	2	25
Hinrod, O W	60	10	1 25
Hinrod, O W	61	10	1 25
Hinrod, O W	62	10	1 25
Hinrod, O W	63	10	1 25
Hinrod, O W	64	10	1 25
Hinrod, O W	237	7	87
Hyde, R E	370	100	12 50
Hyde, R E	390	41	5 12
Hoyt, E	213	5	62
Hoyt, E	214	5	62
Healey, Jos	241	20	2 50
Lathrop, A B	511	25	3 12
Langdon, Samuel	173	20	2 50
Langdon, Samuel	174	20	2 50
Langdon, Samuel	175	20	2 50
Laugdon, Samuel	176	20	2 50
Laugdon, Samuel	222	50	0 25
Laugdon, Samuel	342	11	1 37
Mastick, E B	8	30	3 75
Mastick, E B	345	4	50
Moreto, E G	105	1	12
Miller, Geo A	137	10	1 25
Miller, Geo A	235	1	12
Morgan, A R	231	1	12
Matthuson, P	410	4	50
McElroy, A M	100	1	12
Post, Mrs. H	315	10	1 25
Perkins, R F	410	5	62
Perkins, R F	417	40	5 00
Rowell, Isaac	3	30	3 75
Rowell, Isaac	172	75	9 37
Rowell, Isaac	314	14	1 75
Rand, Mary A	138	5	62
Rider, W M	502	10	1 25
Ross, Wm C	007	200	25 00
Starr, T N	328	5	62
Sproul, J R	353	5	62
Tillinghast, W H	1	30	3 75
Tillinghast, W H	351	4	50
Tollinghast, W M	499	50	6 25
Tompkinson, Jos	277	1	12
Wolff, B	608	2	25
Woodthorpe, Mrs H	621	15	1 87
Whiting, B C	445	10	1 25
Whiting, B C	446	10	1 25
Whiting, B C	447	10	1 25
Whiting, B C	448	5	62
Whiting, B C	449	5	62
Whitiug, B C	450	5	62
Whiting, B C	451	5	62
Whiting, B C	452	5	62
Wood, A B	055	10	1 25
Wood, A B	589	10	1 25
Redington, Gen A	480	61	7 62
Young, Henry	569	25	3 12
Walton, N C	257	20	2 50
Walton, N C	258	3	37
Walton, N C	264	200	25 00
Walton, N C	479	70	8 75

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Cobb & Sinton, No. 406 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

W. FELL, Secretary.

Office, No. 53 Montgomery Block, San Francisco. 23

Lancaster Gold and Silver Mining Company, Como, Lyon County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Armitage	8	40	$20 00
H S McElroy	13	40	20 00
Wm Curry & Jones	26	40	20 00
R S Dumont	31 34	40	20 00
E P McRea	66	40	20 00
M V B Stacy	35	1	50
Wm Birch	71	1	50
S A Wells	69 70	2	1 00
David Fulton	68 129	12	6 00
F Medina	77	1	50
A J Murray	14	40	20 00
W Meeks	99	2	1 00
O Bisbon	107	5	2 50
Benj Cork	109 111	15	7 50
W Callaghan	125	1	50
Fells	126	1	50
B P Wilkins	142	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 14th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

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Wilson Copper Mining Company, Gardea Bar District, Placer County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 31st day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Chollar, Wm	12	20	$10 00
Chollar, Wm	15	20	10 00
Chollar, Wm	97	5	2 50
Chollar, Wm	98	5	2 50
Camp, O S	111	5	2 50
Ing, A D	17	50	25 00
Other, Thos	112	100	50 00
Platt, H B	78	80	40 00
Wetherbee, H	06	130	65 00
Wetherbee, H	110	30	15 00
Wetherbee, H	106	55	25 00
Wilson & Bicknell	72	20	10 00
Wilson & Bicknell	99	2	1 00
Wilson & Bicknell	103	5	2 50
Wilson & Bicknell	115	27	13 50
Wilson & Bicknell	118	27	13 50
Wilson & Bicknell	154	100	50 00

And in acccordance with law, and an order of the Board of Trustees, made on the 31st day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the company, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco.

dec3-23

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County, Cal.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the first day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
I Campbell	107	12½	$3 12
E A Dowd	25	10	2 50
J H Phillips	28	25	6 25
C L F Brown	54	5	1 25
C L F Brown	55	5	1 25
F A S Jones	88	25	6 25
C A Fitch	93	10	2 50
M L Doom	106	2½	63
Orlando Weed	125	10	2 50
Jacob Hausou	226	10	2 50
G R Posen	128	5	1 25
Jas Arthur	139	20	5 00
Jas Arthur	156	5	1 25
M Daly	142	10	2 50
J C Marston	144	10	2 50
J C Marston	152	15	3 75
Jos Cribbs	149	10	2 50
C A Jonnson	154	10	2 50
J S Lamb	155	10	2 50
E Casey	163	8	2 00
C Stalpole	164	10	2 50
Mrs M F Howe	168	5	1 25
Mrs E S Howe	169	5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of November 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 526 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

PRESTON MORRIS, Secretary.

Office, No. 526 Montgomery street, San Francisco. [23

Gobernadora Silver Mining Company, San Antonio District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 1st day of November, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Beideman	100	30	$30 00
Peter Brown	309	17	17 00
J G Chittenden	191	10	10 00
R W Collin	345	10	10 00
J H Downing	119	30	30 00
H T Dorrance	212	8	8 00
H T Dorrance	213	7	7 00
John Dugan	248	0	6 00
E R Hawley	269	25	25 00
E R Hawley	270	25	25 00
Hopps & McAbee	284	40	40 00
A P Hodgden	322	15	15 00
A H Jordan	286	25	25 00
A H Jordan	287	25	25 00
W H Keep	211	10	10 00
W H Knapp	70	10	10 00
W H Knapp	71	10	10 00
W H Knapp	73	15	15 00
W H Knapp	74	20	20 00
W H Knapp	76	15	15 00
W H Knapp	77	25	25 00
W H Knapp	08	10	10 00
H Kilham	235	10	20 00
H Kilham	236	10	10 00
H Kilham	237	5	5 00
H Kilham	238	5	5 00
H Kilham	230	5	5 00
H Kilham	240	5	5 00
H Kilham	241	5	5 00
H Kilham	242	5	5 00
R G McClellan	20	50	50 00
R C McClellan	220	25	25 00
R G McClellan	231	25	25 00
R G McClellan	239	10	10 00
R G McClellan	340	50	50 00
W E Maybew	111	20	20 00
W E Mayhew	348	20	20 00
Chas McDonald	183	5	5 00
Chas McDonald	224	15	15 00
Alex McAbee	342	10	10 00
C F Nolte	245	20	20 00
J M Platt	280	5	5 00
A E Slavan	115	10	10 00
T H Stevens	311	10	10 00
T H Stevens	312	5	5 00
M T Ward	285	10	10 00
Wm Windsor	207	10	10 00
Wm Windsor	222	15	15 00
Wm Windsor	250	9	9 00
Wm Windsor	251	4	4 00
Wm Windsor	252	9	9 00
Wm Windsor	271	25	25 00
Wm Windsor	288	1	1 00
Wm Windsor	289	1	1 00
Wm Windsor	292	1	1 00
Wm Windsor	303	10	20 00
Wm Windsor	304	2	2 00
Wm Windsor	307	5	5 00
Wm Windsor	310	8	8 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco. 23

Revolution in the Cotton Trade.

When the rebellion inaugurated itself, the loss of cotton was regarded as an unmixed and irremediable loss. The world wanted cotton, and what could satisfy the want? What could prevent foreign intervention—what meet our own requirements? The rebellion was to a great extent based upon cotton, and cotton would eventually overpower patriotism, international comity and every supporting reason for right. This was a leading argument at the commencement of the civil strife, but thus far it has not proved itself. In addition to the large supply then on hand, India, China and other regions have been stimulated to compensate for our loss, and the summary of results approximates more closely to its antecedents than was expected by the most sanguine.

The latest reports from the British markets report steadily increasing supplies, and a fall in the price of sixpence sterling per pound from the highest point. This large decline has caused serious difficulties among speculators, aggravated by the stringency of the English money market. The stock in Liverpool on the 17th ult., reached 391,000 bales or considerably more than double the quantity held at the corresponding period of last year, and an increase of 140,000 bales since the 1st of September of the present year. The British supply for 1864, at the present rate of increase, will reach nearly or quite 2,500,000 bales, which would admit of a weekly consumption of more than 48,000 bales, a trifle more than in 1860, the year of largest consumption.

Thus, after a three years' blockade of our Southern ports, the supply of cotton in England is found to be equal to that of the most prosperous year immediately preceding the rebellion. The moral of all this is, in our blindness South, we have bartered, for a time, without equivalent, the immense wealth which was ours from this source, and have given it to others, and all because, under the leading of a few ambitious politicians, the best Government on earth was sought to be overthrown. The result is the penalty of Southern want of fidelity to the Nation and the Constitution. With the Union restored, however, there is reason to believe that the production of cotton will be speedily restored to its former magnitude. It has been conclusively demonstrated that no other country can equal us in the growth of the long stapled article, which is indespensably necessary to the production of the leading textile fabrics, and no other country can compete with us in regard to prices.

The fall in values on this side of the Atlantic is about seventy cents per pound from the highest point, and though our supplies are at present very light, the course of prices will no doubt be governed, to a large extent, by the ruling of the Liverpool market.—*N. Y. Shipping List.*

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco, which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

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Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

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C. W. M. SMITH.....W. D. EWER.....A. T. DEWEY.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with general report of the Executive Committee, will appear in due time.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

For Sending East, no more valuable or appropriate publication can be selected than the MINING AND SCIENTIFIC PRESS. For sale by the principal news agents.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

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Office, 11 Government House, corner Washington and Sansome street, San Francisco.

"THE MINING AND SCIENTIFIC PRESS."—We would call attention to the advertisement of "The Mining and Scientific Press," (Messrs. Dewey & Co., Proprietors), one of the best conducted and most valuable weekly journals published in America.—*Golden Era.*

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the same, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office.

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is the addition of a very simple, but ingenious and effective method of self delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington hand-press, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, L. M. KELLOGG.

October 29th, 1864. San Francisco.

Pacific Mail Steamship Company.

THE FOLLOWING STEAMSHIPS WILL BE DESPATCHED FROM SAN FRANCISCO IN THE MONTH OF NOVEMBER, 1864.

Nov. 3—GOLDEN CITY. ... .Capt. Wm. F. Lapidge.
Nov. 12—GOLDEN AGE.....Capt. E. S. Fransworth
Nov. 23—CONSTITUTION.....Capt. J. T. Watkins.

From Folsom street Wharf,

At 9 o'clock A. M., Punctually,

FOR PANAMA.

Passengers will be conveyed from Panama to Aspinwall by the Panama Railroad Company, and from Aspinwall to New York by the Atlantic and Pacific Steamship Company.

A. B. FORBES, Agent P. M. S. Co.,
24-tf Corner Sacramento & Leidsdorff Sts.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER-RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company, 328 Montgomery Street. jltf

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day previous to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices herein before provided for, nor by the non-performance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew.

INVENTORS AND INVENTIONS.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Invention is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Glorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignorant of the joys of victory. —[Dumas.

Mining Notices--Continued.

Ashland Mining Company, Moss Lode, Colorado Mining District, Arizona.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 16th day of November, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 17th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 613 Montgomery street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday the 3d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. T. KNOX, Secretary.

Office, No. 613 Montgomery street. nov19-21-4

Arizona Consolidated Mining Company, Eureka District, Arizona Territory.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 19th day of October, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Butler, Mrs S F	154	bal 17	$3 40
Hardy, L J	132	bal 4	80
Lewald, George	33	bal 28	5 60
McNeil, Patrick	25	50	10 00
Smith, George	39	bal 4½	90
Sommors, Simon	44	25	5 00
Spann, J S	209	25	5 00
Wilson, John	75	5	1 00

And in accordance with law, and an order of the Board of Trustees made on the 19th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of John Middleton & Son, No. 400 Montgomery street, San Francisco, on the 3d day of December, 1864, at hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

N. G. FRENCH, Secretary.

Office, 728 Montgomery street, San Francisco. 21

Bella Vista Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of November, 1864, an assessment of 65 cents per share was levied upon the capital stock of said company, payable on the 12th day of November, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 326 Clay street.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. FULLER, Secretary.

Office, No. 326 Clay street, San Francisco. [nov19-21-4

Blue Ledge Gold and Silver Quartz Mining Company, Kelsey District, El Dorado County, California.

The office of the above-named company has been removed to Room No. 5, Government House, on the corner of Washington and Sansome streets. V. B. POST, Secretary.

San Francisco, November 14, 1864. 21

Bay State Gold and Silver Mining Company, Turnback District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 9th day of November, 1864, an assessment of 25 cents per share was levied upon the capital stock of said company, payable on the 16th day of November, 1864, in United States gold coin to the Secretary, at his office.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 27th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.

Office, S. E. Corner of Second and Howard streets, San Francisco. nov12-20-4

Notice.

THE Annual Meeting of the Stockholders of the Colorado Silver and Copper Mining Company (Arizona Territory), will be held at the Company's office, No. 528 Clay street, San Francisco, on Monday, December 26th, 1864, at 3 o'clock P. M., for the election of Trustees, and the transaction of any other business that may properly come before it.

21-4 H. W. MUDGE, Secretary

Crown Point Ruvine Gold and Silver Mining Company, Gold Hill District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of two dollars per share was levied upon the capital stock of said company, payable on the 22d day of November, 1864, in United States gold coin, to the Secretary, at his office, or to Jas. V. Coffey, Virginia City, Nevada.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturay, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner of Washington and Sansome Streets, San Francisco. nov26-22-4

El Toro Gold and Silver Mining Company

Concordia District, Panuco, Sinaloa, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 2d day of August, 1864, an Assessment (No. 4) of $2.00 per share was levied upon the assessable stock of said Company, payable on the 2d day of September, 1864, in United States gold coin to the Secretary at the office office of the Company, No. 517½ Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

FORD H. ROGERS, Secretary.

Office, No. 517½ Montgomery street, San Francisco, Cal.

In consequence of omission in former advertisement, the above notice is ordered republished. nov19-21-4

Citizen's Coal Mining Company, Mount Diablo

District, Contra Costa County, Cal.

Notice.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 20th day of August, 1864, and No. 10, levied on the 14th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Asst.	No. Certificate.	No. Shares	Amt.
H Rauschild	9	37	2	$10
H Rothschild	10	37	2	10
M Walzmana	9	101	3	15
M Waizmann	10	101	3	15
Wm Striby	9	67	1	5
Wm Striby	10	67	1	5
Sophran Fiedler	9	84	1	5
Sophran Fiedler	10	84	1	5
C Merklo	9	90	1	5
C Merklo	10	90	1	5
Conrad Lindner	10	53	1	5
Conrad Lindner	10	7	2	10
Gottl Behrens	10	32	1	5
John Locher	10	1	3	15
A H Beschormann	10	03	2	2
A H Beschormann	10	103	8	8
A Fenkhausen	10	62	1	5
Marianna Bootz	10	71	5	5
Jas Wands	10	75	1	5
Adam Bootz	10	86	1	5
Dan Althaus	10	88	1	5
Jacob Melle	10	84	2	10
John Baumeister	10	98	1	5

And in accordance with law and an order of the Board of Trustees, made on the 14th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 26th day of November, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

E. J. PFEIFFER, Secretary.

20 Office, S. W. Corner, Post and Dupont Sts.

Postponement.—The above sale is hereby postponed until Saturday, December 3d, 1864. By order of the Board of Trustees.

21 E. J. PFEIFFER, Secretary.

Evening Star Gold and Silver Mining Company, Trinity District, Humboldt County, Nevada.

The Annual Meeting of the Stockholders of the above company, for the election of Trustees to serve for the ensuing year, will be held at the office of the Company, No. 710 Sansome street, on Saturday, the 3d day of December, 1864, at one o'clock, P. M. By order of the Board of Trustees.

29-3 N. DUPERU, Secretary

Empress Gold and Silver Mining Company, Gold Hill Mining District, Storey Co., State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 25th day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 26th day of November, 1864, in United States gold or silver coin to the Secretary, at the office of said company, No. 540 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 30th day of December, 1864, will be advertised on Saturday, the 31st day of December, 1864, as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 20th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By orderof the Board of Trustees.

RALPH EMERSON, Secretary.

Office, No. 540 Clay Street. nov26-22-4

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 1st day of November, 1864, an Assessment of $1 per share was levied upon the Capital Stock of said Company, payable on the 5th day of November, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 3d day of December, 1864 will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco. nov5-19-4

La Libertad Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J W Brown	27	20	20 00
Samuel Ambrose	116	16	16 00
Geo A Raymond	2 30 50	139	130 00
I W Sloansker	47	34	22 66
Richard Chenery	4	10	10 00
Samuel Hutchinson	1	20	20 00
E Van Valkenburg	120 141	100	00 66
Emma T Fish	60	15	10 00
F P Fish	114 117	50	33 32
Thomas N Parker	115 118 119	50	50 00
B C Howard	15 17	80	43 46
B C Howard	unissued	51	

And in accordance with law, and an order of the Board of Trustees, duly made on the 26th day of July, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery Street, on the 3d day of December, 1864, at the hour of 12 o'clock, M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. [21

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 5th day of November, 1864, an assessment of $5 per share was levied upon the assessable capital stock of said company, payable immediately in United States Coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 10th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent assessment, together with costs of Advertising and expenses of the Sale. By order of the Board of Trustees.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov 5-19-5

Mammoth Gold and Silver Mining Company, Silver Mountain District, California. Assessment No. 3.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 14th day of January, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Adams, E W	not issued	15	$7 50
Byam, H S	8 22	32	16 00
Carlisle, H B J, estate, not issued		22 2 3	54 00
Crawford, Wm	not issued	80	44 50
Davis, W O	88	10	5 00
Egan, E D	not issued	144	72 00
Fido, Wm	not issued	125	52 50
Fisk, Charles	7	10	5 00
Forbes, A	63 64	25	12 50
Greet Thomas	not issued	140	70 00
Hackett, N C	not issued	68	34 00
Harney, C	not issued	125	62 50
Handly, John	15	40	20 00
Herbert, A W	12	10	5 00
Holden, P L	62	10	5 00
Locke, Thos 73 74 75 75 77		80	40 00
Payne, S S	9	5	2 50
Richardson, S	10 20	20	10 00
Tanner, O	8	2	1 00
Whitton, M S	bal	7½	3 75
Whitton, R J	bal	29	14 50
Whitton, W H	bal	18	9 00
Wheeler, W J	not issued	50	25 00
Dyson, Z bal on 78 79 80		20	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 24th day of September, 1864, so many, shares of each parcel of said stock as may be necessary, will be sold at the office of the company, on the 5th day of November, 1864, at the hour of 1 o'clock, P. M., to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. [14

Postponement.—The above sale is postponed until Monday, December 5th, 1864, at the same hour and place. By order of the Board of Trustees.

17-6 J. WARREN CLARK, Secretary.

Mammoth Gold and Silver Mining Company, Rock Spring District, San Bernardino County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 19th day of November, 1864, an assessment of sixty cents per share was levied upon the capital stock of said Company, payable on the 21st day of November, 1864, in United States gold or silver coin, to the Secretary, at the office of the company, No. 611 Clay Street, Room 8, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 9th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

nov26-22-4 GEORGE BOWER, Secretary.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of November, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, S. W. Corner of Stockton and Washington streets, San Francisco, nov19-21-5

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the Mining and Scientific Press. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, Nev.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 7th day of November, 1864, an assessment (No. 9) of 50 cents per share was levied upon the Capital Stock of said Company, payable on the 9th day of November, 1864, in United States Gold Coin, to the Secretary, or to the Superintendent at the mine.

Any stock upon which said assessment shall remain unpaid on the Saturday the 19th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 28th day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco, California. nov12-20-4

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander county, N. T.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 17th day of October, 1864, an assessment of twenty-five cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold and Silver Coin, to the Secretary, or to Jos. S. Currie, in Austin, N. T.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 3d day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent Assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets San Francisco, Cal. 19-4t

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

Notice.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	10 2 3	50
C A Parrinton	11	10 2 3	50
R C Jacobs	32, 137	39 1-3	119
J J Corrigan	153	31	93
J F Borland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brewaell	118, 169, 140	15 2 3	47
Miss M A Phelps	54, 55, 66 67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	15 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	152	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palacho	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
E G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peck	128	4 1-6	12 50
H M Newball	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P F Adams	167	3	9
A R Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

Postponement.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

Postponement.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Ruba Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to E. S. Davis at Austin.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 9th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. nov26-22-4

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of November, 1864, an assessment of one dollar per share was levied upon the capitel stock of said company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assesment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Wnsbington street. nov19-21-4

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

SISTERS MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
Farrell, M J	05	50	$7 50
Fisher, W F	101	7	95
Moffet, John	58 59	100	15 00
Muller, Ed	21 22 23	27½	4 13
Parker, A H 10 12 14	15 16	150	22 50
Welch, G W	29 30	50	7 50

AUGUSTA MINING COMPANY.

Bates, C M	29	125	18 75
Fairbanks, M T	52	50	7 50
Farrell, M J	75	175	26 25
Muller, Ed 19 20 21 22 23	24	62½	9 38
Morrison, Robt	28	125	18 75
Parker, A H	17	25	3 75
Scott, R H 53 54 55	56	800	120 00
Stocks, B F	70	50	7 50
Welch, G W	32	25	3 75

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 5th day of December, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. 21

Postponement.—The above sale is postponed until Thursday, December 15th, 1864, at the same place and hour. By order of the Board of Trustees.

23-2t L. C. DODGE, Secretary.

Silver Prize Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Company, payable on the 17th day of October, 1864, in United States gold coin, to the Secretary, or to the Superintendent at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco.

Postponement.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, December 17th, 1864, and the sale thereof until Saturday, December 31st, 1864. By order of the Board of Trustees.

21-4 J. WARREN CLARK, Secretary.

Santa Cruz Petroleum Oil Works Company—Located in Santa Cruz County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 31st day of October, 1864, an assessment (No. 9) of twelve and a half (12½) cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at his office, No. 53 Montgomery Block, San Francisco.

Any stock upon which said Assessment shall remain unpaid on the 2d day of December, 1864, will be advertised as delinquent on Saturday, the 3d day of December, 1864, and unless payment shall be made before, will be sold on Saturday, the 17th day of December, 1864, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. FELL, Secretary.

Office, No. 53 Montgomery Block. nov5-19-4

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 5th day of November, 1864, an assessment of $2.50 per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 10th day of December 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 24th day of December, 1864, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

GEOROE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. nov5-19-4

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given that the Annual Meeting of the above named Company will be held on Monday, December 26th, at 2 o'clock, P. M., at the office of the Secretary, Nos. 8 & 10 Government House, corner of Sansome and Washington streets, San Francisco, Cal.

22-5 J. M. BUFFINGTON, Secretary.

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 22d day of November, 1864, in United States gold and silver coin, to the Secretary, or to Jas. V. Coffey, Virginia.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. nov26-22-4

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs, Wallace, Allen & Hardynge. Terms of subscription: One year, by mail, $10; six months, $5. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public.

W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

Our Patent Agency.

The PATENT AGENCY of the MINING AND SCIENTIFIC PRESS has been signalized with remarkable success during the past two years. The importance to the inventive genius of this coast of a thorough and reliable agency for the solicitation of LETTERS PATENT from the United States and foreign Governments cannot be over-rated, and the Proprietors of the PRESS, feeling the responsibility which rests upon them, and the reward which must follow the faithful performance of their trusts, will take care to afford inventors every advantage to be secured to them through a competent and responsible agency upon this coast.

Mining and Scientific Press Patent Agency.

SAN FRANCISCO.

Information About Obtaining Patents.

The Patent Law Amendment Act, of March 4th, 1861, and March 3d, 1863, now in force, introduces several important changes in our Patent System. The general practice of the Patent Office, however, in regard to the examination and issue of Letters Patent for new inventions, remains nearly the same as heretofore.

The amendment of 30 March, 1863, provides, in section 3, that every patent shall be dated as of a day not later than six months after the time at which it was passed and allowed, and notice thereof sent to the applicant or his agent. And if the final fee for such patent be not paid within the said six months, the patent shall be withheld, and the invention therein described shall become public property as against the applicant therefor: *Provided*, That in all cases where patents have been allowed previous to the passage of this act, the said six months shall be reckoned from the date of such passage.

The first question, therefore, that presents itself to the inventor, who desires to procure a patent, is: "Can I obtain a patent?" A positive answer to this question is only to be had by presenting a formal application for a patent to the Government, embracing a petition, specification, model, duplicate, drawings, and the payment of the prescribed official fees. Aside from these steps, all the inventor can do is, to submit his plans to persons experienced in the business of obtaining patents, and solicit their opinion and advice. If the parties consulted are honorable men, the inventor may safely confide his ideas to them, and they will inform him whether or not his invention is probably patentable.

Those who have made inventions and desire to consult with us respecting the same, are cordially invited to do so. We shall be happy to see them in person at our office, or to advise them by mail, or through the MINING AND SCIENTIFIC PRESS. In all cases they may expect from us an honest opinion. For these consultations, opinion and advice, we make no charge. A pen-and-ink sketch, and description of the invention should be sent, together with a stamp for return postage. Write plain; do not use pencil or pale ink; be brief.

Remember that all business committed to our care, and all consultations, are kept by us secret, and strictly confidential.

Preliminary Examinations.

In some cases it may be advisable as a measure of prudence to order a preliminary examination. This consists of a special search made at the U. S. Patent Office, Washington, through the medium of our associate in that city, to ascertain whether among all the patents and models there stored, any invention can be found which is similar in character to that of the applicant. On the completion of this special search we send a written report to the party concerned, with suitable advice. Our charge for this service, including the report, is ten dollars. This search, though it involves the expense just named, will usually prove satisfactory. If the same device has been before patented, the time and expense of constructing models, preparing documents, etc., will in most cases be saved; if the invention has been in part patented, the applicant will be enable to modify his claims and expectations accordingly. Many other obvious advantages attending the Preliminary Examination; although the strictest search does not always enable the applicant to know positively whether a patent can be had. Applications for patents are often rejected because the Examining officer finds a description of the alleged invention in some foreign publication; or some other person has been previously rejected on an analagous device; or some other invention for a similar purpose, but partially resembles the applicant's in its construction; or the Government makes an unjust or uncommon decision. Against none of these contingencies does the Preliminary Examination provide; it will, however, generally inform the applicant whether an improvement similar to his and used for the same purpose has ever been patented or not in this country.

Persons desiring the Preliminary examination are requested to remit the fee ($10), and furnish us with a sketch and description of the invention.

Caveats.

A Caveat is a confidential communication made to the Patent Office, and is therefore filed within its secret archives. The privilege secured under a caveat is, that it entitles the caveator to receive notice, for a period of one year, of any application for a patent subsequently filed, and which is adjudged to be novel, and is likely to interfere with the invention described in the caveat, and the caveator is then required to complete his application for a patent within three months from the date of said notice. Caveat papers should be very carefully prepared. Our fee for the service varies from $10 to $20. The Government fee under the new law is reduced to ten dollars; and this sum does not apply, as heretofore, as part of the fee on presenting an application for a patent.

Inventors will oftimes find it very important to take advantage of the caveat system—the expense under the law being comparatively small.

To enable us to prepare caveat paper, we only require a sketch and description of the invention; no model being necessary.

Expense of Applying for a Patent, Rejections, etc.

Under the new law, the Government fee, on filing an application for a patent, is fifteen dollars; and if the patent is allowed, twenty dollars additional is required. If rejected, the first fee of fifteen dollars is all that is demanded. English, French, Austrian, Prussian Spanish, and inventors of every nationality, may now obtain patents in the United States upon the same terms as our own citizens. The only discrimination made is against subjects of government that discriminate against the inhabitants of the United States.

To the foregoing official fees must be added the Attorney's fees for preparing the various documents and drawings. Our charge for preparing a case, presenting it to the Government, and attending to all business connected with it, until a decision is given, is from $20 to $40. If the patent is granted no further agency expenses ensues. If the application is rejected we cause a thorough investigation to be made into the reasons presented to the Commissioner for refusing the patent. In making this examination, we have access to all the drawings, models, books and specifications cited in reference, and we report the result as early as possible to our client. For this service we make no charge. If the rejection proves to be an unjust one—which sometimes happens—it can generally be reversed, and the patent obtained by contesting the case. For this prosecution we charge a fee proportionate to the extra labor involved, payable only on the issue of the patent; but our demand will be reasonable and satisfactory to our clients, and will be arranged beforehand by special agreement.

The system adopted by us works well, gives general satisfaction and presents to all applicants, rich or poor, an equal opportunity of having their patent cases prepared, conducted and prosecuted in the best manner, by experienced attorney's, upon the most moderate terms. Inventors who have rejected cases, prepared either by themselves, or for them by other agents, and desire to ascertain their prospects of success by further efforts, are invited to avail themselves of our unequalled facilities in securing favorable results. We have been successful in securing Letters Patent in many cases of such a matter. Our terms for such cases are very moderate.

Models, Remittances, etc.

The law requires that the inventor shall, in all cases, furnish a model, which must not exceed twelve inches in any of its dimentions; it should be neatly made, of hard wood or metal, or both, varnished or painted; the name of the inventor should be engraved or painted on it conspicuously.

When the invention consists of an improvement on some known machine, a full working model of the whole will not be necessary. It should be sufficiently perfect, however, to show, with clearness, the nature and operation of the invention.

As soon as the model is ready, it should be carefully boxed and shipped by express or otherwise, to our address, namely: DEWEY & Co., Mining and Scientific Press, rooms 56 and 57, Government House, corner of Sansome and Washington Streets, San Francisco, Cal. Prepay expenses and send express receipt to us by mail.

Simultaneously with the model, the inventor should send us the first instalment of the Government fee, fifteen dollars. The money may be forwarded either by express with the model, or by mail. The safest way to remit is by draft on San Francisco, payable to our order. Always send a letter with the model, and also the remittance stating the name and address of the sender.

A full description should also be sent with the model, embodying all the ideas of the inventor respecting the improvement.

On the receipt of the model and Government fee, the case is duly registered upon our books, and the application proceeded with as fast as possible. When the documents are ready we send them to the inventor by mail, for his examination, signature and affidavit, with a letter of instruction, etc. Our fee for preparing the case is then due and will be called for. The case will then be presented to the Patent Office, and as soon as the patent is ordered to be issued the Government fee, namely, twenty dollars.

Inventors who do business with us will be notified of the state of their application in the Patent Office, which it is possible for us to do so. We do not require the personal attendance of the inventor, unless it is one of great complication the business can be well done by correspondence.

When the invention consists of a new article of manufacture, or a new composition, samples of the separate ingredients, sufficient to make the experiment, and also of the manufactured article itself must be furnished.

The average time required to procure a patent, when the case is conducted at our agency, is three months. We frequently get them through in less time; but in other cases, owing to delay on the part of officials, the period is sometimes extended to four or five months, and even more. We make a special point to forward our cases as rapidly as possible.

Return of Models.

Under the new law, if the applicant's case has been rejected he is entitled to withdraw his model from the Patent Office.

This law applies to all past rejected cases, and if parties wish to obtain their models through us, they can do so at a small expense.

Application for Patents, Designs, Trade-Marks, Labels, etc.

Under the new law patents may be taken out for any new form of any article, also for tools, patterns, castings, machine-frames, stove-plates, borders, fringes, all new designs for printing, weaving or stamping upon silks, calicoes, carpets, oil-cloth, prints, paper-hangings, and other articles. Trade-marks, labels, envelopes, boxes and bottles for goods, may also be patented; likewise all works of art, including prints, paintings, busts, statues, bas-relief, or compositions in alto, or basso relievo, new dies, impressions, ornaments to be placed upon any article of manufacture, architectural work, etc.

Our facilities for the prompt preparation and securing of patents are of the most thorough character and our charges are very moderate.

Patent Office Fees, and How Payable.

Nearly all the fees payable to the Patent Office are positively required by law to be paid in advance. For the sake of uniformity and convenience, the remaining fees will be required to be paid in the same manner; that is to say, before the labor is performed for which they are to be received in payment.

The following is the tariff of fees established by law:

On every application for a design, for 3 yrs and 6 mos...	$10
On every application for a design, for seven years.....	15
On every application for a design, for fourteen years.....	30
On every caveat.....	10
On every application for a patent.....	15
On issuing each original patent.....	20
On filing a disclaimer.....	10
On every application for a re-issue.....	30
On every additional patent granted on a re-issue.....	30
On every application for an extension.....	50
On the grant of every extension.....	50
On appeal to the Commissioner from Examiners-in-chief	20
On every appeal to the Judges of Circuit Court, D. C....	25

Infringements.

The manufacture, sale, or use of a patented article, without consent of the owner of the patent, is an infringement, and subjects the infringer, by injunction from the Court, to an arrest of or prohibition from the employment of his machinery, shop, works, factory and men in production of the article.

In addition to injunction the infringer is liable to be mulcted in treble the amount of damages awarded by the jury. The maker, the workman, the seller, and the purchaser, if a user, are all liable either collectively or individually.

Having access to all the patents, models, public records, drawings and other documents pertaining to the Patent Office, we are prepared to make examinations and give opinions upon all infringement questions, advise as to the scope and ground covered by patents, and direct with vigor any legal proceedings therewith connected. Our charge will be moderate, and proportionate to the labor involved.

Appeals.

In rejected and other cases, the new law provides for an appeal from the Examiner-in-chief to the Commissioner in person, on the payment of a fee of twenty dollars. A further appeal may be taken from the decision of the Commissioner to the U. S. Court, of the District of Columbia. These appeals are heard by any of the Judges before whom the applicant elects to bring the case. No jury. All the papers, models, etc., are sent by the Commissioner to the Judge, who then reviews the case, and either sustains or reverses the Commissioner's decision.

The party taking the appeal pays an additional fee of twenty-five dollars. The Judge appoints a day of hearing. The applicant can appear in person or by counsel to state his case and file a written argument. Five days are allowed the opponent to put in an answer, and a similar period to the appellant for a closing reply.

Many important cases are brought before the Judges on appeal and the decisions of the Commissioner are not unfrequently reversed.

We have had successful experience in conducting these appeals and our services are rendered on moderate terms.

DEWEY & CO., Agents,

Mining and Scientific Press Office, Government House, corner Sansome and Washington streets, San Francisco.

American and Foreign Patent Agency

FOR THE

PACIFIC COAST.

PACIFIC MESSENGER
OFFICE
SCIENTIFIC PRESS
GOVERNMENT HOUSE
THE MUTUAL LIFE INSURANCE CO. OF NEW YORK
THE MUTUAL LIFE INSURANCE CO. OF NEW YORK
CHARLES A. CRANE ADVERTISING AGENT
J. R. MEAD & CO.
MINING & SCIENTIFIC PRESS.
EASTMAN & COMINS, ARMSTRONG

DEWEY & CO., AGENTS,

AND PUBLISHERS OF

The Mining and Scientific Press,

Corner of Washington and Sansome Streets.

We would call the particular attention of INVENTORS and DISCOVERERS in ARTS, MECHANISM, METALLURGY and CHEMISTRY, to our superior advantages for soliciting Letters Patent in the United States, British Columbia, European and other Civilized Countries.

We have secured the co-operative services of some of the oldest, most thorough and reliable Patent Solicitors and Attorneys at Washington, and in Foreign Countries, and our Applicants can have their claims and specifications properly and speedily presented, without the delay necessarily required in transacting their business through Eastern or Foreign Agencies. For further information, address

DEWEY & CO.,
Publishers and Patent Agents.

Corner of Washington and Sansome Streets, San Francisco.

TO MINE OWNERS.

REDUCTION AND SMELTING WORKS ON A SUFFICIENTLY large scale, where Ores of every kind can be thoroughly treated, so as to extract therefrom the precious metals, have long been wanted in California.

The Undersigned is desirous of erecting such works to meet the demand, provided sufficient encouragement can be obtained in regard to the quantity of work which may reasonably be looked for.

I have sufficiently proven, in my former smelting works, on Bryant Street, where I worked the richest of the Ophir ores to within Two and One-Half per cent. of the Assay, that I was acquainted with Metallurgy previous to my recent travels and experience in Europe, where I have built, during my sojourn there of nearly three years, many Reduction Works, thereby proving that I am capable of working ores by any and all known processes, whether by Smelting or Amalgamating, or other methods best adapted to the nature of the ore to be worked, and as close to the assay as can be done anywhere in Europe.

Mine owners wishing quantities worked as cheaply and effectively as can be done by sending it to Europe, will address the undersigned. Parties wishing to erect Quartz Mills, or other Reduction Works, can be furnished with Plans, Estimations, and other useful and necessary information as to the best mode of extracting the precious metals.

Address **J. MOSHEIMER,**

Office, Nos. 14 & 15 Mead's Building, Corner of Pine and Montgomery Streets, San Francisco. 9v23tfq

W. T. GARRATT,

City

BRASS AND BELL FOUNDER,

Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.

Manufacturer of Brass, Zinc, and Anti-Friction or

Babbet Metal Castings;

CHURCH AND STEAMBOAT

BELLS,

TAVERN AND HAND BELLS AND GONGS,

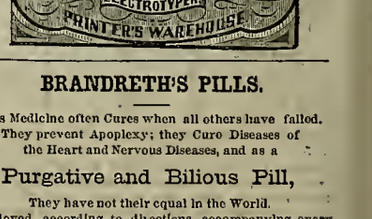
FIRE ENGINES, FORCE AND LIFT PUMPS,

Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,

HYDRAULIC PIPES AND NOZZELS

For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."

☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf



BRANDRETH'S PILLS.

This Medicine often Cures when all others have failed. They prevent Apoplexy; they Cure Diseases of the Heart and Nervous Diseases, and as a

Purgative and Bilious Pill,

They have not their equal in the World. Employed according to directions, accompanying every box of new style, they produce

Great Purity of the Blood and the System Generally,

Causing only the removal of vitiated matters which have become useless or injurious, and securing in the reconstruction of diseased parts of nothing but sound and healthy materials.

THE USE OF BRANDRETH'S PILLS ... OCCASION

The Actual Decrease of the PRINCIPLE OF DEATH, and an Increase of the Vivifying, the Life Principle.

B. BRANDRETH,

294 Canal Street, New York.

W. F. BRANDRETH,

Office at Crane & Brigham's, San Francisco.

By sending $1 in coin to the above address, five boxes of pills will be sent to any part of this coast or the interior, Free of charge. 18-3m4c8p

SHERMAN DAY,

Mining Engineer,

No. 56 Montgomery Block, San Francisco,

Will examine, survey and report upon mines, and consult and advise concerning investments in mining property, or the machinery management and expenditures of mines. 22q*

HUNT'S NEW DITCHER.

HAVING SECURED FROM THE INVENTOR THE SOLE right to manufacture these Machines for the States of California and Oregon, and the Territory of Washington, I am now prepared to receive and promptly fill orders for these machines.

With the aid of three men and four horses this Machine will cut a ditch from two to three feet deep, as may be desired, dumping the earth all on one side so as to form a dike or embankment. For particulars send for circular, to

E. O. HUNT,

Windmill Builder, No. 28 Second Street and 110 & 112 Jessie Street, San Francisco. 9v22tf

To Mining Secretaries.

We positively refuse hereafter to receive advertisements of any mining company for the payment of which the Secretary is unwilling to vouch. We shall also exercise the right to eject from our columns, at any time during the course of publication, any advertisement for which payment is not made, or security given upon proper notification.

DEWEY & CO.,
Publishers Mining and Scientific Press.

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, DECEMBER 10, 1864. | VOLUME IX. Number 24.

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☞ New Mining Advertisements on page 381. ☜

☞ Mining Shareholders' Directory on page 376. ☜

San Francisco Jobbing Prices Current.

Flour, extra, ₱ bbl	11 00 @12 50
Do Superfine	10 00 @
Corn Meal, ₱ 100 lb	3 50 @ 4 00
Wheat, ₱ 100 lb	3 50 @ 3 75
Oats, choice, ₱ 100 lb	3 00 @ 3 15
Barley, ₱ 00 lb	3 50 @ 3 75
Beans, ₱ lb	3 @ 4
Potatoes	2½@ 3½
Hay, ₱ ton	35 00 @40 00
Live Oak Wood, ₱ cord	8 00 @ 9 00
Beef, on foot, ₱ lb	2 @
Beef, extra, dressed, ₱ lb	4 @ 8
Sheep, on foot,	2 @ 2 50
Hogs, on foot, ₱ lb	4 @ 6
Hogs, dressed, ₱ lb	8 @ 9½
Groceries, Etc.	
Sugar, crushed, ₱ lb	17½@ 18
Do China	12½@ 13
Coffee, Costa Rica, ₱ lb	23 @
Do Rio	22 @ 23
Tea, Japan, ₱ lb	70 @ 75
Do Green	50 @ 85
Hawaiian Rice, ₱ lb	12½@ 14
China do	9 @ 11
Coal Oil, ₱ gal	55 @ 75
Candles, ₱ lb	20 @ 22
Ranch Butter, ₱ lb	50 @ 90
Isthmus do	35 @ 40
Cheese, California, ₱ lb	20 @ 25
Eggs, ₱ doz	80 @ 90
Lard, ₱ lb	18 @ 19
Ham and Bacon, ₱ lb	18 @ 20
Shoulders	12 @ 14

San Francisco Retail Prices Current.

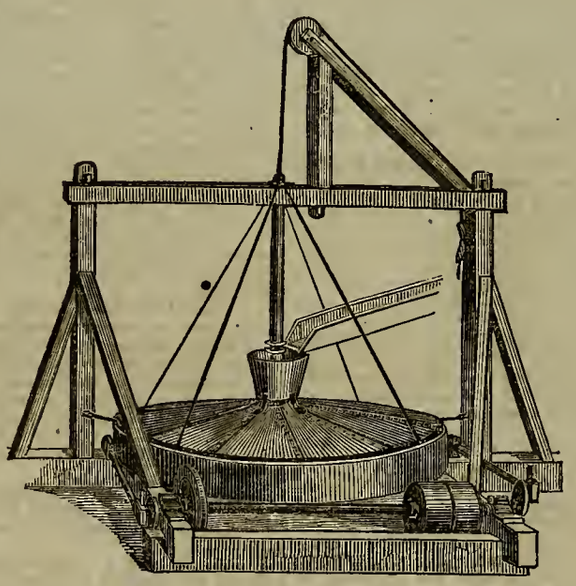
Butter, California fresh ₱ lb	1 00@
do pickled ₱ lb	60@ 75
do Oregon	35@ 50
do New York, ₱ lb	45@ 50
Cheese, ₱ lb	30@ 35
Honey, ₱ lb	40@ 50
Eggs, ₱ doz	85@ 90
Lard, ₱ lb	22@
Hams and Bacon, ₱ lb	2 /@
Cranberries, ₱ gal	1 00@
Potatoes, sweet, ₱ lb	4@ 6
do Irish, ₱ lb	4@ 5
Tomatoes, ₱ lb	8@
Onions, ₱ lb	6@ 8
Beets, ₱ lb	2@
Squashes, ₱ lb	4@ 5
Cabbage, ₱ lb	4@ 5
Cauliflowers, ₱ lb	1 50@
Celery, ₱ doz bunches	1 00@
Turnips do	40@
Parsnips do	50@
Apples, No. 1, ₱ lb	7@ 10
Pears, table ₱ lb	7@ 15
Plums, dried, ₱ lb	10@ 15
Peaches, dried, ₱ lb	10@ 15
Quinces, ₱ lb	7@ 10
Grapes, Foreign, ₱ lb	25@ 50
Oranges, ₱ 100	4 50@ 6 00
Lemons, ₱ 100	5 00@ 6 00
Pineapples, ₱ doz	4 00@ 6 00
Chickens, apiece	50@ 75
Turkeys, ₱ lb	25@
Geese, ₱ pair	4 00@
Ducks, ₱ pair	1 50@
Quail, ₱ doz	2 00@
Wild Ducks, ₱ doz	2 00@ 6 00
Rabbits, ₱ pair	25@
Oysters, ₱ 100	1 00@ 1 25
Fish, Fresh, ₱ lb	3@ 18
Salmon, smoked, ₱	10@ 12

Its Assessed Value.—The value of the Mariposa estate, formerly Fremont's, is returned to the Assessor by the company now owning it at $427,000. The Assessor thinks it should be rated at $3,000,000.

Boston.—This city has a population of 281,220 persons, who are collectively worth over $900,000,000.

PRATER'S CONCENTRATOR.

We give annexed an illustration of Hungerford & Prater's Patent Concentrator and Amalgamator, a late invention of Mr. Prater, of Washoe. The machine, it will be seen, consists, first, of a shallow iron pan, hung from its center by an iron rod upon a frame. To the opposite sides of this pan are affixed two small cranks, by which a sort of circular shaking motion is given to the pan. The bottom of the pan rises gradually from the circumference to the center, at which point the discharge opening is placed. The sands are fed into the pan, direct from the stamps, through the hopper, which is seen near the center of the engraving, and pass down upon the inclined sheet iron surface, or distributor represented, dropping into the pan, evenly all around, at its circumference. The peculiar motion given to the pan as described above causes the heavier particles, such as sulphurets, gold, amalgam, etc., to remain near their place of deposit, while the lighter particles of sand, etc., work upward and inwards, towards the center discharge. The pully and rope seen in the above representation is designed for hoisting the distributor out of the way of the pan, so that the latter may be easily reached for cleaning up, etc.



This concentrator has been employed in different portions of the State, and wherever used has given the most complete satisfaction. Persons who visited the late Mechanics' Fair in this city, will readily recollect this concentrator which was exhibited at the Pavilion in in the department of mining machinery. We have before us certificates of recommendation from Kimball & Murphy, of the Metallurgical Works on Bryant Street, in this city, and Wheeler & Thayer, who are now using it at their mill in Sonora. Both of these firms speak in high terms of its performance as a concentrator of sulphurets and a gold saver. The machine is exceedingly simple in construction, not at all liable to get out of order, and can be furnished at a very small price.

AN INPORTANT QUESTION.

Eds. Scientific Press:—A friend, seeing a copy of your paper lying on my desk, asked: "What is the most advisable mode of extracting silver and also the best apparatus for so doing?" I suggested, firstly, a careful man, who firmly believes that a second or third working of tailings is a useless expense, and consequently one who seeks to avoid such a necessity. One thing must be plain, to cut off the surplus of the tailings, we must free the precious metal from chemical or mechanical bondage, (or both, as the case may be), which cannot usually be done by random experiments or trusting to luck; but, through the aid of careful analysis, by finding a substitute for the thief (be it sulphur, chlorine, iron or what,) that runs away, through our mills, with our wealth. A careful use of chemicals that we know are good; a total abstinence from chemicals that we *do not know* are good; (but which are setting the clock back continually), I suggested as good rules. Again, a good reverberatory furnace, well tended; a tight battery, with very fine screens and good pans, amalgamating in the strongest sense (depending on the battery for better grinding than they usually do) to be made capacious, kept hot, clean and not overcharged, and finally, an honest amalgamator and retorter. But our friend thought the suggestions, though good, were too general, and with his objections came a poser of a question. "Who has the best process and who the best pan?" Not wishing to take the responsibility of answering; I appeal to you. "What man and what pan does the best work, and does not depend entirely on the Gould & Curry mill for an endorser."

Respectfully yours,

P. S. D.

Folsom, Cal., Dec. 5th, 1864.

Our correspondent and his friend asks a very difficult question, as indeed the former intimates. We had hoped that at the late Mechanics' Exhibition, in this city, some plan would have been devised by which a general competitive trial would have been had between the pans on exhibition there; but, so far as we are advised, none was made, although there was an attempt in that direction. Such a trial might, perhaps, have enabled us to answer so much of the above query as refers to which is the best pan. As it stands, however, each pan has its especial favorites. All the pans which were on exhibition are doubtless good, some excelling in one particular, others in another. Probably more depends upon the manipulation and management of the amalgamators, than upon the difference in the actual working and saving capacities of the various machines.

As to the "processes," no one process can be made applicable to all kinds of ores. The requisite most needed is a knowledge of the ores. Ores from the same mine, even, are constantly changing in their character; and a much greater diversity is found in ores taken from different mines. An intimate knowledge of the entire metallurgy of all the associated metals is absolutely necessary to close working in a quartz mill. How many of our mill superintendents could stand the test of an examination in that particular? There is no part of the world where mining, in all its departments, is carried on more successfully than at Freiberg, in Germany, and this success is the direct result of strictly scientific mining, as all the mines there are worked entirely on the results of scientific investigation, conducted by the professors of the celebrated mining school at that place.

Mining, thus far, on the Pacific Coast, has been merely a series of experiments, without any system, instead of what it should be, the result of purely scientific investigation. These experiments having been conducted without any concert of action, the public, of course, have not been able to form any correct conclusion with regard to the comparative advantages of the different modes pursued or the different processes employed. Hence the utter impossibility of any correct answer to the above inquiries.

An Elegant Engine.—Our attention was called, yesterday, to a beautiful little steam engine, which has just been completed at the Golden State Foundry, for the Lake Manufacturing Company—an incorporation now working a quicksilver mine in Napa county. This engine has an 8-inch cylinder, with a 16-inch stroke. It is extremely neat, simple and compact in its construction; the fitting parts, and, indeed, all the workmanship, is without fault. It is fitted with Duabar's Patent Piston Rings. The governor is set directly upon the top of the steam-chest, and communicates its influences directly to the valve-stem, without the loss of motion inseparable from joints and levers. The engine will be shipped to its point of destination to-day.

New Mining Pump.—While at the Golden State we noticed several sections of a new mining pump which the proprietors of that foundry are now constructing for the Gould & Curry Mining Company. The castings, for smoothness, were equal to anything we have ever seen turned out in this city. The bore of this pump is 12 inches, and its length will be upwards of 400 feet. The entire pump, with all its connections and mountings, or bob-irons, are being constructed at this establishment. The work is being pushed ahead with a commendable degree of dispatch, and the whole will be shipped to Virginia City the present week.

THE VARNEY-WHEELER PATENT CASE DECISION.

The following opinion, delivered by Judge Hoffman, in the United States Circuit Court, in the celebrated patent case, will be read with interest by every one who is interested in the subject of patent rights and the invention and manufacture of mining machinery:

In the Circuit Court of the U. S., Northern District of California.

OPINION.

Thomas Varney vs. Zenas Wheeler, et als.

This is an action for the infringement of a patent issued to the plaintiff on the 16th of December, 1862, for an "Improvement in Amalgamators for gold and silver." The machine alleged to be an infringement has also been patented—the patent being dated December 8th, 1863. The defendants deny the alleged infringements, and the novelty and originality of the plaintiff's invention. They have also given notice, under the statute, of various other defenses hereafter to be noticed.

Models of the two machines were exhibited in Court, and a large number of witnesses called to explain their construction and mode of operation. It is apparent that the patented machine of the defendant closely resembles, if it be not substantially identical with, the improved and modified machine now manufactured by the plaintiff. But the inquiry is not whether Wheeler's machine resembles that lately used by Varney, but whether the former is substantially the same as the machine described in Varney's patent. That Varney has, in many important particulars, modified the machine as described in his patent, is obvious. Indeed, his late machines resemble much more nearly in external appearance and in their mode of operation, the Wheeler patented machine, than they do a machine constructed according to the drawings and specifications of his patent.

Whether or not Varney's late machines infringe Wheeler's patent is unnecessary to consider. Our only course is to ascertain how far the Wheeler machine is an infringement of the rights acquired by Varney under his patent.

The invention of Varney is declared in his patent to consist "in the employment or use of a rotary and stationary muller placed within a suitable pan or tub, provided with a cover and arranged in such a manner that when the device is in operation the ore will pass in a current or stream outward from the center, and between the mullers to the circumference of the same, and thence inward over the upper and rotating muller to the center of the same, and down through said muller between it and the stationary one, to be again thrown to the periphery of the mullers, thereby causing all the particles of the ore to be brought in contact with the quicksilver in the pan or tub, or with the amalgamated plates to be attached to the muller or mullers."

"This invention also consists in the employment or use of curved or spiral scrapers placed within the pan or tub, and arranged relatively with the upper surface of the rotating muller in such a manner as to insure the passage or movement of all heavy substances in the pulp, thereby preventing the same from lodging on the rotary-muller."

The machine by which the desired results were attained consisted of a pan or tub formed of two parts of about equal dimensions, provided at their contiguous edges with flanges to admit of their being bolted together. Between these edges packing was to be introduced to prevent leakage.

The under muller was stationary and provided with radial slots—on this the upper muller rotated, and it was also provided with slots drawn tangentially to a small circle at its center. At the center of the upper muller were openings by which the pulp after passing out from between the grinding surfaces at the circumference, was admitted again between the mullers and a circulation was thus established which could be continued until the operation was completed.

"To prevent heavy substances which may be contained in the pulp from resting or lodging on the surface of the upper muller, and to insure their passage along with the current," curved or spiral plates were employed "to serve as scrapers." These scrapers extended from a ring in the center of the muller to its periphery, and were secured at the end by vertical rods passing through the cover of the pan and extending down a suitable distance within it.

It is evident, not only from the specifications in the patent, but from the account given by the plaintiff of the progress of his invention, that his claim to a patent was founded on—

First—The employment of a rotating muller with central openings, and arranged within a pan, in connection with a stationary muller, so as to insure a current or circulation of the pulp.

Second—A covered or close pan consisting of two parts, as described in his specifications.

Third—The curved plates, or scrapers, arranged to operate in connection with the rotary muller.

The invention of a muller, provided with slots or recesses and copper plates, is expressly disclaimed by the plaintiff in his specifications. This is admitted not to be new, nor is it pretended that there is any novelty in the arrangement of a muller rotating upon a stationary bed-plate, and placed in a tub or pan. The principal feature of the machine devised by the plaintiff, and that which constituted, as he claimed, its novelty, was evidently the arrangement by which a current or circulation was established, and the pulp caused to pass continuously and repeatedly between the mullers, until the whole was thoroughly pulverized. This object be attained—

First—By confining the pulp in a pan, the cover of which was securely bolted, and the contiguous edges packed to prevent leakage.

Second—By making openings at the center of the upper muller to permit the pulp to pass down between the grinding surfaces.

Third—By using curved scrapers to prevent the lodging of the heavier particles on the surface of the upper muller, and to insure their passage along with the current.

It appears, however, that the idea of working ores in a batch, by causing them to pass repeatedly between mullers, the upper one of which is provided with openings at the centre, is by no means novel.

J. E. Clayton testifies, that so long ago as 1845, he arranged a machine in Tallahoosa, Alabama, for the reduction of gold ores, which embodied substantially the same principle. The mill described by him was composed of two stones, the one stationary and the other rotating upon it. The latter had a hole in the center, of some 10 inches in diameter, and the shaft, which communicated the motion, was attached by cross heads, leaving a large space for the passage of the pulp. This machine was at first worked by feeding in the ore at the center and discharging it in a continuous stream at the circumference after passing once between the grinding surfaces. As the operation, thus conducted, proved unsatisfactory, the witness was employed to examine and remodel the machine. He saw that the only mode of ensuring a successful result was to work the ore in a batch—that is, to retain it in the tub and cause it to pass repeatedly between the mullers until all was ground. This he accordingly did, and the experiment proved successful.

In Overman's Metallurgy, p. 267, a similar arrangement is described:

"This apparatus may be considerably improved by modifying some parts of it. If we make the runner in one piece and provide it with a large central space and arrange it in fact as a common grist-mill, with the exception that the driving shaft does not pass through the bed stone, and, in addition, drive the mill with considerable velocity, the fluid, water and mineral, assumes a concave form on its surface. It is driven higher at the periphery of the mill than near its center, and the solid matter as well as the fluid circulates from the periphery to the center above the runner, and from the center to the periphery below the runner. The mill thus modified grinds rapidly and is useful for a variety of purposes as we shall see hereafter."

It is evident that the author is here describing an existing and well known machine, the usefulness of which had already been ascertained.

It is also apparent that the result aimed at, is the same in this machine as in that of the plaintiff, and that the means adopted to accomplish it are substantially similar. In both machines the pulverization of the ore is effected by means of a bed-plate upon which a muller rotates, with central openings to permit the pulp to pass continuously and repeatedly between the grinding surfaces until the operation is completed.

If, then, the patent of the plaintiff is to be supported, it must be by reason either of the novelty of other parts of his machine by which its effectiveness is aided or insured, or else, if no part of the machine be new, because the whole, taken together, constitutes a new combination, and in effect, a new machine.

In Moody *vs.* Fiske, 2 Mass. 112–117, Judge Story says:

"Where the patent goes for the whole of a machine as a new invention, and the machine is in its structure substantially new, any person who pirates a part of the machine, substantially new in its structure, deprives the inventor so far of his exclusive right in his invention, and may in a great measure destroy the value of the patent. When the patent is for several improvements in an existing machine, or for an improved machine incorporating several distinct improvements which are clearly specified, then if a person pirates one of these improvements he violates the exclusive right of the patentee, for the patent is as broad as the invention, and the invention covers all the improvements; and it is a wrong done to the patentee to deprive him of his exclusive right in any of his improvements. Where the patent is for a NEW COMBINATION of existing machinery or machines, and does not specify or claim any improvement or invention except the combination, unless that combination be substantially violated, the patentee is not entitled to any remedy, although parts of the machine are used by another, because the patent by its terms stands on the combination only. In such a case, proof that the machines or any part of their structure existed before, forms no objection to the patent unless the COMBINATION has existed before, for the reason that the invention is limited to the combination. And yet if the combination be not wholly new, but up to a certain point has existed before, and the patentee claims the whole combination as new instead of his own improvements only, as by taking out a patent for the whole machine, instead of his own improvements only, doubtless his patent is void for it exceeds his invention.

"But if there be different and distinct improvements constituting parts of the combination, which are specified as such in the patent and specification, and any one of them be pirated, the same rule seems to apply as in other cases, where part of an invention is pirated, for the patent then shows that the patent is not limited to the mere combination, but includes the particular improvements specified.

"It is often a serious difficulty, from the obscure language of the specification, to ascertain what is the nature and extent of the invention claimed by the patentee. Whether his patent be valid or not, must materially depend upon the accuracy and distinctness with which his invention is stated. But in all cases where the patentee claims anything as his own invention in his specification, courts of law cannot reject the claim; and if included in the patent and found not to be new, the patent is void, however small and unimportant such asserted invention may be."

This leads me to the just points made at the bar, as to which it appears to me clear, both upon principle and authority that where a patentee in his specification states and sums up the particulars of his invention, and his patent covers them, he is confined to such summary, and he cannot afterwards be permitted to sustain his patent by showing that some part of it which he claims in his summing up as his invention, though not in fact his invention, is of slight value or importance in his patent. His patent covers it, and if it be not new, the patent must be void. Here the plaintiff claims a particular position of machinery as his invention, and it clearly appears in evidence that the position is not new. It has existed before, not in machines exactly like the present, but in machines applied to analagous purposes, viz: in machines applied for the same purpose as the plaintiff applies them. Without doubt he supposed he was the inventor, but that was his mistake, and will not help the case. The objection therefore, is fatal.

The rigor of the Common Law rule which avoided a patent whenever any part of a supposed invention proved not to be new, has since been relaxed by statute. By the act of 1837 it is provided that the patent shall be held good and valid for so much of the invention or discovery as shall be truly and *bona fide* the inventor's own, provided it shall be a material and substantial part of the thing patented, notwithstanding he may, through mistake, have claimed to be the inventor of some other material part of the thing patented, which in fact, was not his own.

By a subsequent proviso of this section it is enacted, that no person shall be entitled to the benefits of its provision who shall have unreasonably neglected or delayed to enter at the Patent Office a disclaimer of any right to such parts of the invention as have, by inadvertence, etc., been claimed as new. Whether the delay has been unreasonable under all the circumstances, is a question for the Court.

It does not appear with certainty at what time the plaintiff discovered that the arrangement of mullers in a tub to produce a circulation of the pulp was not new. His counsel even contend that the evidence of Clayton, and the description in Overmann's Metallurgy, do not impeach the novelty of the plaintiff's invention.

His patent was issued December 15, 1862. The present suit was commenced ——.

It is very possible that the plaintiff heard, for the first time, at the trial of this cause, of the machine used by Clayton, and of the description of a substantially similar machine in the public work that has been produced. Under the circumstances I do not feel warranted in pronouncing his delay in making a disclaimer unreasonable.

Assuming, then, that there has been no such unreasonable delay, I proceed to apply the principles and rules above laid down, by Judge Story, to this case.

What, then, is the invention for which the plaintiff has obtained a patent? It is, evidently, not for a mere combination of existing machinery or machines. A patent for a mere combination does not claim or specify any invention or improvement, except the combination. In such case it is, as we have seen, no objection that the parts be old, provided the combination be new.

In this case the patent clearly is for several distinct improvements in an existing machine, or, rather, for an improved machine incorporating several distinct improvements.

The invention of the plaintiff, as described in his patent, is "an improvement in amalgamators for gold and silver." The evidence discloses that the plaintiff had previously obtained a patent for a machine designed to effect the same object, and the patent now under consideration was for an improvement and modification of that machine. In his specification he describes his invention as consisting of the employment or use of the mullers in a covered tub, and so arranged as to produce the current or circulation of the pulp from the center to the periphery, and from the periphery to the center. It also consists in the employment of scrapers, arranged so as to insure the passage or movement with the current of all heavy substances in the pulp.

In the summary at the end of the specification the same improvements are specifically claimed as the invention of the plaintiff. They are declared to be:

1. The rotary muller provided with central openings, connected with a stationary muller, and arranged in a covered tub, so as to insure a circulation of the pulp.

2. The covered tub, composed of two parts and connected together as described.

3. The curved scrapers, to operate in connection with the rotary muller.

All these improvements, combined together, constitute the improved machine, or "improvement," for which the patent issued. But even if this patent could be considered as for a combination, it is evidently not for a "mere combination of existing machinery or machines."

The specification of the different and distinct improvements constituting parts of the combination shows that the patent is not limited to the mere combination, but includes the improvements specified. It would, therefore, protect the patentee against the pirating of any one of them, though the entire combination as such might not be pirated. (Moody *vs.* Fiske, 2 Mass., p. 118.)

If, then, the defendants have used any one of the improvements invented by the plaintiff, they are, under the Act of 1837, liable, provided the thing used be a material and substantial part of the thing patented, and be definitely distinguishable from the other parts claimed without right. And this, notwithstanding that the patentee was not the first inventor of another material and substantial part of the thing invented.

The case, as thus stated, is most strongly against the defendants. For if the invention be considered as a mere combination of previously existing machines, it is, I think, clear that there has been no infringement.

To constitute an infringement of a combination, it is not necessary that every one of the parts should be used; but the combination must be "substantially violated," and it would be a question for the jury whether the combination patented and that used were not substantially the same thing. (Sellers *vs.* Dickinson, 6 Eng. L. and Eq. R. 544, per Pollock, Ch. Bar.)

In the defendants' machine, the pan in two parts, provided with flanges, packing, etc., to which the plaintiff in his patent attaches much importance, is not used, but a deep pan is substituted with a wooden cover.

The arrangement of the slots or shoes on the muller is different. The upper muller is provided with spiral ridges, arranged to operate with similar ridges reversely inclined on the inner surface of the pan, to raise the pulp and and promote the circulation. The upper muller is attached to the shaft by an universal joint, and by a mechanism quite dissimilar to that described by the plaintiff. And for the scrapers are substituted broad guide plates, extending and secured to the edge of the pan, and capable of being elevated or depressed by means of a mechanism not found in the plaintiff's machines.

Assuming then—as in the point of view in which we are considering it we must—that each of the several parts of the plaintiff's machine is old, and not separately patentable, it seems clear to me that if the patent for the machine can be sustained, as for a new combination, which I think doubtful, the combination of the defendant is at least as novel as that of the plaintiff.

Dismissing, then, the idea that a patent for a combination has been infringed, we procced to inquire whether there has been an infringement of the plaintiff's right to any material and substantial part of the thing patented, which is definitely distinguishable from the other parts claimed, without right. We have already seen that the muller rotating upon a bed plate, with central openings, and arranged in a pan, so as to create a circulation of the the pulp, is not a new invention. The tub composed of two parts, with flanges, packing, etc., is not claimed to have been used by the defendants. In fact it is now discarded by the plaintiff, and a deep pan, with muller attached by a universal joint, has been adopted by him in his later machines. The infringement, if any, must therefore consist in the use, by the defendant, of the scrapers described in the plaintiff's patent.

The inquiry thus arises—are the curved plates described in Wheeler's patent substantially the same in their structure and operation as the scrapers of the Varney patent, and if so, do the latter constitute "a material and substantial part of the things patented by Varney, definably distinguishable from the other parts." To determine this question, a brief description of Wheeler's machine is necessary.

The rotation of the upper muller in a pan containing a charge of pulp, necessarily communicates a revolving motion to the mass. If the velocity be considerable the centrifugal force will cause the pulp, and especially the heavier portions, to accumulate at the periphery of the pan, and the surface of the pulp will assume a concave form. If the motion be continued, and the pan be high and without a door, the accumulation at the circumference will continue until the force of gravity overcomes the centrifugal force, and a portion of the pulp, consisting of the lighter and more fluid parts, will fall down and be carried to-

wards the center. The circulation thus obtained will evidently he imperfect. To counteract this rotation of the pulp, or rather to deflect the current towards the center. Wheeler introduced curved plates, extending from a frame at the center of the pan to its circumference. This frame is supported on the upper end of the shaft in such a manner that the plates will follow any adjustment of the muller, and bear the same relation to it, whether in its highest or lowest working position. The outer ends of the plates are supported by slides cast upon the inner surface of the pan. The effect of these plates is stated by Wheeler in his specifications to be, "to counteract the centrifugal force generated by the rotation of the muller, and to cause the pulp to pass toward the center of the muller, and down through the central opening, to be again forced outward between the muller and the bed plate."

The scrapers of Varney are curved or spiral plates extending from a ring, which encompasses the tube in the center of the muller to the periphery. At the outer ends they are supported by vertical rods extending down from the upper part or cover of the pan. He describes them as "arranged relatively with the upper surface of the muller in such a manner as to insure the passage or movement of all heavy substances in the pulp, thereby preventing the same from lodging on the upper surface of the muller in such a manner as to insure the passage or movement of all heavy substances in the pulp, thereby preventing the same from lodging on the rotary muller." Their use he states as follows: "The curved or spiral plates 'I' serve as scrapers, and prevent heavy substances from resting or lodging on the upper surface of the muller, insuring the passage of the former along with the current."

In the Wheeler pan four plates are used, while Varney employs only two scrapers. The form or curve given to these plates in both machines is similar, though not identical; but in their structure, arrangement and the use for which they are intended, there is as an essential difference. The scrapers of Varney are represented as of inconsiderable width and extending from a ring at the center to the periphery of the muller. They rest apparently upon the surface of the muller, and no means of elevating or depressing them are mentioned in the specifications or exhibited in the drawings.

The plates of Wheeler are of considerable width, and attached to a frame suspended from the top of the shaft, resting upon a vertical screw, by means of which the frame and plates attached to it may be elevated or depressed. The plates extend to the inner surface of a pan, where they are secured by slides. The office of these plates, as described in Wheeler's patent, has already been mentioned. It appears to me that the scrapers of Varney neither serve, nor were intended to serve, any such purpose, and this for the following reasons—

1. These are called by him scrapers—a name which indicates their use and operation. They are evidently but a modification of previous devices used for the same purpose in the Knox and other pans.

2. The accumulation, or piling up in a ridge at the periphery of the pan, of the rotating mass of pulp, was evidently intended in the Varney pan to be prevented by the use of the cover, or rather by making the pan to consist of two parts, with flanges, packing, &c. This arrangement, to which, on his specifications, he lays much stress, appears to have been considered by him as effectually securing the current or circulation he desired. On this hypothesis alone can we account for his declaration that the scrapers were of no use, "merely put in to please his customers," and that "the pulp would go to the center anyhow." That he did not consider them of very great importance, may also be inferred from the fact that in an advertisement, illustrated by wood cuts of his machine, in the spring of 1862, the scrapers are neither mentioned nor exhibited. As the patterns are exhibited in the drawings, it might not, as he has observed, have been practicable to represent the scrapers in position. But if, as he claims, he had then altered the original design by causing the rods which supported the ends of the scrapers to project above the cover of the pan and to be provided with nuts by which to elevate or depress them, there is no reason why this arrangement might not have been represented in the drawings.

3. The specifications of Varney's patent distinctly declare that the curved plates "serve as scrapers, and prevent heavy substances contained in the pulp from lodging on the surface of the muller, thus securing their passage along with the current."

The use of the device is here distinctly stated. There is no intimation that the scrapers were designed to counteract the rotary motion of the pulp, or to deflect towards the center the current running around the inner surface of the pan.

4. The inconsiderable width of the scrapers, and the absence of any arrangement for raising them above the surface of the muller, on which they rest, further corroborates this view.

5. The fact that the Varney scrapers only extend to the periphery of the muller, and not, like Wheeler's plates, to the side of the pan, constitutes not only an important difference between the two devices, but it indicates very clearly the use for which they were intended. It is obvious that the centrifugal force generated by the motion of rotation would drive the heavier particles to the circumference and cause them to revolve as closely as possible to the inner surface of the pans. To permit the pulp to ascend it is also plain that there must be some difference in the diameters of the muller and the pan.

If then the scrapers were designed to deflect the current towards the center, they would almost entirely fail in the useful effect if they extended, as in Varney's, only to the periphery of the muller. The portion of the pulp between the edges of the muller and the side of the pan would continue to revolve, and it would necessarily be composed of the heavier and coarser particles which would most require re-grinding. Varney, himself, admits that unless the plates extend to the side of the pan, they would be useless.

For these reasons, I am of the opinion that the curved plates of Wheeler differ from the scrapers of Varney in their form, their arrangement, their object, and effect, and that therefore their use is not an infringement of Varney's patent.

Whether assuming that Varney's device for working ores in a batch, by means of a bed-plate on which rotates a muller provided with central openings, the whole arranged in a suitable pan, is not patentable because old, the scrapers alone can be deemed to constitute "a material and substantial part of the thing patented, definitely distinguishable from the other parts," so that the patent may be sustained *pro tanto*, it is not necessary to consider.

Much testimony was taken to show that in fact Wheeler's invention was prior to that of Varney's, and that the latter derived his ideas from the former.

It is claimed by Varney that his invention was, in its essential features, matured and perfected in August, 1861. But this statement seems hardly consistent with his declarations or his conduct.

Varney's application for his first patent was not made until the end of October, 1861. That machine has since been discarded as useless.

If then, at the time of this application he had already matured and perfected the invention of another and far better machine, he committed a practical fraud upon the public in withholding from them the benefit of his skill and ingenuity. It is certainly strange that he should have gone to the trouble and expense of procuring a patent for his first machine, and delayed, for nearly a year, his application for a patent for the improved machine which he had, as he says, already invented.

It may well be doubted whether, if it be true as Varney states, that at the time of his application for his first patent he had already completed and perfected his improved machine the suppression would not be fatal to both. It appears in evidence, that so early as December, 1861, Wheeler had conceived and communicated to Stewart & Kirkpatrick, at Washoe, the idea of his machine. He explained to them the mode in which the circulation, or over and under current was to be produced, and the guide boards by which it was to be assisted.

In January, 1862, drawings of this machine were received at the Miners' Foundry, and Stewart, the partner of Churchill, was desirous of having his pans constructed on that plan. The theory and construction of the proposed pan were fully explained to Varney, who succeeded, however, by affecting to consider Wheeler's pan "a humbug," in dissuading the parties from adopting it, and in inducing them to order pans made on the model of his own patent. These were subsequently discarded as useless. We are thus driven to adopt one of two suppositions: either that Varney willfully deceived Stewart in inducing him to order an inferior and worthless pan; or else that he had not at that time discovered the mode of producing the over and under current, recognized its utility and invented a machine to effect it.

Wheeler commenced manufacturing his machines in January, 1862. He commenced using them in June of the same year. They were constructed at the Miners' Foundry by the defendants to this cause under the immediate observation of Varney. But in his conversation with Scott in July, 1862, and in his communication with the defendants he does not appear to have once intimated that he was the first inventor of the Wheeler machine, and that in constructing the latter, they were violating his rights. Up to the end of 1862, he continued to have his own pans built at the same foundry, and if he really considered the construction of Wheeler's pans to be an infringement of his own invention, his silence is inexplicable. His delay in applying for his second patent is equally unaccountable. In August, 1861, he had, as he says, completed and perfected his invention of his improved machine, and yet, in October of that year he applies for a patent for his first and imperfect invention, and delays his application for a patent for his improved and perfected machine until the end of June, 1862, more than a month after Wheeler had taken the preliminary steps to obtain his patent.

It is unnecessary, however, to pursue this inquiry further for in the view I have taken of this case the question of priority of invention is immaterial.

The other ground of defence remains to be noticed.

It appears in evidence that some months before applying for his second patent, Varney entered into an arrangement with the defendants (except Wheeler,) who were the proprietors of the Miners' Foundry, for the construction and bringing into use of his pan. By this agreement the defendants were to manufacture the pans, on orders to be obtained by themselves or by the plaintiff, and on every pan made by them and sold, either by themselves or Varney, the latter was to receive a certain sum, varying with the size of the pan. No limitation as to the number of pans to be made by defendants was imposed; the objects of all parties being to bring them into use as rapidly and as extensively as possible. Under this agreement a large number of pans was manufactured by the defendants, the tariff on which was duly paid to the plaintiff. It is contended that these circumstances constitute under the provisions of the 7th Sec. of the Act of 1839, a defence to this action, even though it be admitted that the Wheeler pan is an infringement of the Varney patent. That section provides "that every person or corporation who has or shall have purchased or constructed any newly invented machine, manufacture, or composition of matter, prior to the application by the inventor or discoverer for a patent, shall be held to possess the right to use and, vend to others to be used, the specific machine manufactured, or composition of matter so made or purchased, without liability therefor to the inventor, or any other person interested in such invention; and no patent shall be held to be invalid by reason of such purchase, sale or use prior to the application, except on proof of abandonment of such invention, or that such purchase, sale or prior use has been for more than two years prior to such application for a patent."

Whether the public and general use of the invention by all persons who were willing to purchase his machine, which was permitted and procured by the plaintiff, does not amount to an abandonment of his rights, and to avoid the patent subsequently applied for and obtained, is a point not necessary now to determine. It is sufficient if the permission to use affords a good defense to the defendants in this action.

It might admit of doubt upon this language of the statute whether the invention of a method of manufacture, a process, or an art, or anything but a machine, manufacture, or a composition of matter, is within the scope of the provision, or whether the purchaser or licensee could do anything more than use or vend to others to be used, the specific thing which he had purchased. But the Supreme Court have construed the terms "newly invented machine" manufacture "or composition of matter," to mean "*the invention patented*;" and the words "the specific machine" to refer to *the thing as originally invented*, of which the right is subsequently secured by a patent. McClug vs Kingsland, How. R. 202, 209. Curtis on Patents, § 309.

If then this statute be construed to mean that the person purchasing or constructing and using, with the consent of the inventor, the thing invented, shall possess the right to continue to use, not merely the machine or physical object purchased, but the invention or thing patented, whether it be a machine, or an art for process or method of manufacture, it follows that the defendants to this suit are not liable.

For the statute, while it mitigates the previous laws under which a patentee was deprived of his right to the patent, if he had allowed, before applying for it, a public or free individual use of his invention, nevertheless treats the patent as avoided so far as any liability is concerned on the part of those persons who have been allowed such prior use.

If it be said that to allow these defendants to continue to use and vend the plaintiff's invention is a great hardship upon him, the answer is two-fold.

1. This procuring and permitting his invention to be made and publicly sold extensively for the joint benefit of himself and the defendants before applying for a patent, was an evasion of, if not a fraud upon the law; for it extended by so much the time during which his monopoly is to continue, and postponed to the same extent the period when the public would enter upon the free use of the invention.

2. If, by the terms of the contract, the defendants were bound to pay the plaintiff a certain sum for each of his machines manufactured and sold by them, the remedy, if any, is by an action on the contract. They cannot be liable, under the act of 1839, for an infringement.

If this view of the effect of that statute be correct, it affords a defence to Wheeler as well as the other defendants. It is not pretended that he has used any machines not manufactured by them, or that he has infringed the plaintiff's rights, otherwise than by receiving from the other defendants the sum agreed to be paid by them on the sale of his machines.

I find, therefore, for the defendants.

[Written for the Mining and Scientific Press.]

Inventors and the Case of Varney vs. Wheeler.

EDITORS MINING AND SCIENTIFIC PRESS:—The judgment in the case of Varney *vs.* Wheeler *et als.* concludes with a paragraph which the Judge qualifies by the admission of a doubt "if this view of the effect of the statute be correct"—the unlimited grant of an undivided portion of all the rights acquired under a patent strikes so materially at the value of patents—is of so much importance to inventors, and is so little in accordance with the true interests of the public, that I may be allowed to call attention to other judgments of United States Courts to show that the doubt above expressed by Judge Hoffman, whether well founded or not, need only require inventors who are developing their inventions to limit, by explicit terms, the interest they grant to any purchaser before applying for their patent referred to, as bearing on the question by the learned Judge, show, firstly, that a process or art is in the same category as a machine. To this it is unnecessary to take any exception; and it is true that the case of McClury *vs.* Kingsland decided that the section 7 of the Act of 1839 only applies to the "specific improvement then invented and used by the person who had purchased, constructed and used the machine to which the invention is applied." In that the purchaser does not acquire rights to other subsequent improvements; but that case also decided that "the person who had the use of an invention prior to the application of a patent therefore, is on the same footing as if he had a *special license*." In the case of Washburn *vs.* Gould, Story J., decided that "a mere license, strictly speaking, passes no interest." This important difference is clear when we note the distinction marked out in the case of Armstrong *vs.* Hallenbeck. There it was held that "the agreement conveyed no interest in the patent right, but that the grant amounted to a mere license, with a limitation or condition as to its continuance"—*i. e.* from the terms of the agreement. Again, in the case of Rich *vs.* Hotchkiss, Williams C. J., held that the taking of a temporary license to use a patent right cannot be considered as an acknowledgment of a right in the license. I therefore submit that there is no such unqualified grant passed to a purchaser—before the application by the patentee for letters patent—as cannot be limited by the terms of agreement of sale, which operates as the "special license" caveat vendor. The interests of the public would certainly be compromised by anything which destroys the inventor's freedom of action in perfecting his work before making patent its details.

ONE CALLED.

A NEW DODGE OF UNION SHARPSHOOTERS.—The Richmond *Examiner*, of October 7th, pays the following tribute to the skill of our Yankee sharpshooters:—"Conceive a line of battle beyond a breastwork, each man squatted completely out of sight, firing over his shoulder, while, instead of exposing his head and hands to the advancing Confederates, he looks away from the enemy, and narrowly examines the stock of his own gun. Two little mirrors, scientifically placed at the proper angle, and attached to the stock, enable the soldier to see the sight on his barrel, and all that comes within range, without exposing any part of his precious person."

NEW PETROLEUM COMPANY.—The Adams Petroleum Oil Company filed their certificate of incorporation in the office of the Clerk of the County Court on Monday last. Their object is to work mines of petroleum and petroleum oil, situated in the southwest quarter of section fifteen, town one, North, range one, East, of the meridian of Monte Diablo. The capital stock of the company is $300,000, which is divided into two hundred shares of $1,500 each. The Trustees are Phillip Wolf, S. B. Whipple and James T. Cruiksbank.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Dec. 10, 1864.

With this number the Stock Circular enters upon the second year of its existence. During the past year we have endeavored to present a faithful record of the market, and aimed to impartially set forth, from time to time, so far as it were possible, the actual condition of all mines commonly dealt in at the Board, and the same policy will be adhered to in the future.

A decision of considerable importance to stock brokers and stock operators has just been made in the New York courts. An action was brought to recover damages for the wrongful selling by defendants of 200 shares of Quicksilver Mining Co.'s stock, belonging to the plaintiff. It appears that on the 31st of March last, the plaintiff directed the defendants to purchase for him the above mentioned stock, half at buyer's option of 10 days and the balance at 30 days, with a margin of 30 per cent. The purchase was made at $89 and $89½, and shortly afterward a panic occurred, and the stock declined very rapidly. On the 19th of April, the defendants telegraphed to the plaintiff at Philadelphia to send them $5,000. The telegram was received about 7 o'clock P. M., and the next day he remitted $2,200. In the meantime, however, the defendants sold the stock at $60 and $61, and on afterwards tendering the full value of the stock and demanding its delivery to him, the defendants refused to furnish it. Afterward, the stock rallied and sold at $85. The judge charged the jury that the defendants had no right to sell without notifying the plaintiff of the time and place of sale, and that he was entitled to recover, by way of damages, the difference between the price the defendants sold at and the highest market price at which the stock has since been sold. The jury found a verdict for the plaintiff for $5,685.38.

Since Saturday last, the severity of the weather throughout the interior has continued to interrupt communication, and in Nevada temporarily retarded active operations in a number of claims. Vigorous efforts are now being made to overcome these difficulties, and a large force has been employed to place the roads leading from some of the leading mines in a better condition.

The stock market has been somewhat depressed, and lower prices have ruled. The aggregate sales exceeded, however, those of last week. An apprehension is felt by some that the state of the roads to the different mills will materially diminish the receipts of bullion for the current month from a number of prominent mines; but the latest Washoe advices would seem to dispel these fears in some degree, at least.

Legal Tender Notes have been active, and were sold to the extent of $111,000, within a range of 46c, seller 30, to 48¼@48½c, steamer day, closing at 48c bid, 48½c asked. The latest telegraphic advices from the East quote gold at 231 on the 6th inst.

Bonds and city stocks have been inactive, but for the most part were firmly held. California State Bonds are in request at 77, and San Francisco 6's at 63. California Steam Navigation Co. is inquired for at 75 ℔ cent.; San Francisco Gas Co. at $75 per share; Spring Valley Water Works at 63 ℔ cent.; and San Francisco City Water Works was sold at 48 ℔ cent.

Savage is in rather less favor and 11 feet were sold, declining from $1,800 buyer 30 to $1,680, buyer 30 ex-dividend, and closing at about $1,625. Intelligence from this mine continues to be of a favorable character, and it is said that but two days were lost in hauling ores to the various mills employed by the company. After the payment of the last dividend of $75 per share, a considerable surplus remained on hand.

Gould & Curry fell from $1,550, dividend on, to $1,450, ex-dividend of $75 per foot, rose to $1,500, buyer 30, and $1,475 cash, receded to $1,420, seller 30, and was sold yesterday at $1,425. This company have accumulated a reserve of more than one months supply of ore at their mill, and so far during this month the receipts of bullion have exceeded those of any like period for some time past. We can learn of no material change in the mine. Since Saturday last 40 feet of stock have changed hands.

Chollar continues dull and inactive at $1,000 to $965, at which rates six feet were sold. A new Board of Trustees were chosen this week to serve for the ensuing year. A change was also made in the Presidency of the Company. The administration of the old Board as well as the executive ability of their former President, Mr. Hosmer, gave, it is said, entire satisfaction to the stockholders and the same efficiency in the direction of the company's affairs may now be anticipated. Receipts of bullion from the mine since the 1st instant amount to $37,000.

Yellow Jacket was dealt in to the extent of 15 feet at $850@$865, closing at about $850 bid, $900 asked. Sales are reported "between hoards" at $900.

Potosi is much lower and 26 feet was sold, declining from $700 to $580. The decision of Judge Mesick dissolving the injunction against the Bajazet company, upon an apparent technicality is said to be at variance with the ruling of other Judges in similar cases. The ore taken from the ground claimed by the Potosi has been replevied by the latter company. The injury done the hoisting apparatus of the Potosi by the recent cave will be repaired in a day or two.

Ophir is in less favor and 16 feet were sold receding from $430 to $390. Hale & Norcross declined from $410 to $210, and rallied yesterday morning to $325, buyer 30, ($50 assessment delinquent), and closed at $288, 74 feet in all changing hands. At the close sales were made at $285.

Uncle Sam rose from $150 to $200, fell to $140, and sold yesterday at $145. An assessment of $100 per share (upon the Nevada Incorporation) was levied on the 3d instant.

Overman was sold at $80. At a meeting of the stockholders held last week a committee was appointed to investigate the affairs of the company with authority to proceed to Virginia City, but so far as we can learn no progress has been made owing to the refusal of the Trustees in Nevada to allow an examination to be made.

Imperial continues depressed, and 246 shares were sold, within a range of $125@120, closing at about $122.

Bullion has been largely sold, at fluctuating rates, opening at $160, advancing to $170, falling to $158, rallying to $175, buyer 30, and closing at $162. Since Saturday last 380 shares were dealt in.

Burning Moscow is still a prominent feature of the market, and 4,105 shares have changed hands, steadily declining from $60 to $39.

Nevada (J. G.) is also in much less request, and 407 shares were sold, receding from $72, buyer 30, to $37½, and advancing to $45 and $48. Bajazet rose from $30 to $55, fell to $30, and sold yesterday morning at $36. Golden Age and Empire was sold at $12@13; De Soto at $5½@6; Daney at $20, and Buckeye at $6.

Sheba declined from $18 to $11; Wide West fell from $17 to $13; and Sierra Nevada from $40 to $33.

The aggregate sales of stocks and Legal Tender Notes since Saturday amount to $510,659.50.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, December 3.

1 sh Savage at 1800 per foot b 30.
3 shs Savage at 1775 per foot, b 30.
2 shs Savage at 1750 per foot, b 30.
1 sh Alpha, G. H., at 150 per share.
2 shs Hale & Norcross at 400 per foot, b 30.
4 shs Chollar at 1000 per foot.
30 shs Sheba at 18 per foot.
5 shs De Soto at 6 per share, b 3.
10 sh Wide West at 17 per share.
25 shs Golden Age & Empire at 11 per share.
20 shs Bajazet & Golden Era at 31 per share, s 40.
43¾ shs Bajazet & Golden Era at 35 per share.
10 shs Bajazet & Golden Era at 35 per share, s 40.
20 shs Bajazet & Golden Era at 35 per share, s 60.
70 shs Green, G. H., at 7¾ per share.
20 shs Green, G. H., at 7¾ per share, r w.
10 shs Sierra Nevada at 40 per share.
15 shs Bullion, G. H., 160 per share.
10 shs Bullion, G. H., at 167½ per share.
10 shs Bullion, G. H., at 170 per share.
10 shs Bullion, G. H., at 170 per share, r w.
10 shs Bullion, G. H., at 170 per share, 30 ds.
5 shs Bullion, G. H., at 170 per share, r w.
25 shs Nevada, J. G., at 67½ per share.
10 shs Nevada, J. G., at 72 per share, b 30.
5 shs Nevada, J. G., at 66 per share.
5 sh Imperial at 125 per share.
10 shs Burning Moscow at 54½ per share.
10 shs Burning Moscow at 56 per share, b 10.
30 shs Burning Moscow at 56 per share, r w.
100 shs Burning Moscow at 55½ per share.
20 shs Burning Moscow at 57 per share, b 30.
10 shs Burning Moscow at 56 per share.
20 shs Burning Moscow at 57½ per share, b 10.
50 shs Burning Moscow at 58 per share, b 10.
10 shs Burning Moscow at 56 per share.
10 shs Burning Moscow at 52½ per share, s 30.
$ 5,000 Legal Tender Notes at 48¾ per cent, Monday.

AFTERNOON SESSION.

$ 5,000 Legal Tender Notes at 48 per cent, s 10.
$ 2,000 Legal Tender Notes at 48¼ per cent, b 5.
2 shs Potosi at 710 per foot.
2 shs Potosi at 705 per foot.
1 sh Yellow Jacket at 850 per foot.
1 sh Uncle Sam at 175 per foot,.
4 shs Hale & Norcross at 410 per foot.
10 shs Sheba at 19 per share.
10 shs Bajazet & Golden Era at 40 per share.
10 shs Bajazet and Golden Era at 37½ per share.
5 shs Daniel Webster at 28 per share.
5 shs Daniel Webster at 27 per share,
5 shs Green, G. H., at 7¾ per share.
10 shs Golden Age & Empire at 12 per share.
5 shs Golden Age & Empire at 12½ per share.
100 shs Burning Moscow at 48 per share, s 60.
30 shs Burning Moscow at 60 per share, b 30.
80 shs Burning Moscow at 58 per share.
60 shs Burning Moscow at 60 per shares, b 10.
20 shs Burning Moscow at 58 per share, s 10.
10 shs Burning Moscow at 54 per share, s 30.
10 shs Burning Moscow at 57 per share, s 10.

Amount of sales.....$67,365 00

Monday, December 5.

8 shs Gould & Curry at 1500 per foot.
4 shs Gould & Curry at 1495 per foot.
5 shs Yellow Jacket at 865 per foot.
2 shs Hale & Norcross at 390 per foot, s 30.
2 shs Hale & Norcross at 400 per foot, b 10.
4 shs Potosi at 650 per foot.
4 shs Potosi at 675 per foot.
2 shs Potosi at 675 per foot, r w.
2 shs Potosi at 680 per foot.
2 shs Potosi at 690 per foot, r w.
8 shs Potosi at 700 per foot.
2 shs Uncle Sam at 185 per foot.
24 shs Ophir at 430 per foot.
6 shs Bajazet & Golden Era at 52½ per share.
5 shs Bajazet & Golden Era at 55 per share.
5 shs Bajazet and Golden Era at 52½ per foot, b 30.
10 shs Bajazet and Golden Era at 50 per share.
5 shs Bajazet and Golden Era at 45 per share, s 5.
4 shs Bajazet & Golden Era at 40 per share.
10 shs Bajazet & Golden Era at 40 per share, s 3.
5 shs Nevada, J. G., at 63 per share.
25 shs Nevada, J. G., at 62½ per share.
10 shs Nevada, J. G. at 60 per share.
30 shs Golden Age & Empire at 13 per share.
5 shs Green, G. H., at 7¾ per share.
25 shs Green, G. H., at 8 per share.
10 shs Green G. H., at 6¾ per share.
1 shs Green, O. H., at 5½ per share.
5 shs Green, G. H., at 8½ per share.
10 shs Bullion, G. H., at 175 per share, b 30.
5 shs Bullion, G. H., at 162½ per share.
35 shs Bullion O. H. at 165 per share.
10 shs Sierra Nevada at 43 per share, b 30.
5 shs Sierra Nevada at 40 per share.
10 shs Burning Moscow at 57 per share.
10 shs Burning Moscow at 57½ per share, b 10.
20 shs Burning Moscow at 48 per share, s 60.
75 shs Burning Moscow at 56 per share.
30 shs Burning Moscow at 55 per share.
10 shs Burning Moscow at 55 per share, r w.
20 shs Burning Moscow at 57 per share, b 10.
10 shs Burning Moscow at 56 per share, b 5.
15 shs Burning Moscow at 56 per share, r w.
20 shs Burning Moscow at 58 per share, b 10.
10 shs Burning Moscow at 60 per share, b 30.
10 shs Burning Moscow at 54½ per share, s 30.
20 shs Burning Moscow at 58½ per share, b 10.
10 shs Burning Moscow at 58½ per share, s 20.
10 shs Burning Moscow at 56½ per share.

AFTERNOON SESSION.

$20,000 Legal Tender Notes at 46 per cent, s 30.
$ 5,000 Legal Tender Notes at 48¾ per cent, b 5.
$5,000 Legal Tender Notes at 48½ per cent.
$10,000 Legal Tender Notes at 46¼ per cent, s 30.
2 shs Hale & Norcross at 375 per foot, s 30.
4 shs Hale & Norcross at 374 per foot.
20 shs Sheba at 17 per foot.
5 shs Imperial at 126 per share.
5 Daniel Webster at 27 per share.
5 shs Nevada J. G., at 60 per share, r w.
10 shs Golden Age & Empire at 13 per share.
2 shs Bullion, G. H., at 170 per share, b 30.
15 shs Bullion, G. H., at 161 per share.
20 shs Bullion, G. H., at 158 per share, s 30.
2 shs Uncle Sam at 200 per share.
30 shs Burning Moscow at 55½ per share, r w.
50 shs Burning Moscow at 55 per share.
30 shs Burning Moscow at 54½ per share.
40 shs Burning Moscow at 55 per share, b 5.
30 shs Burning Moscow at 54 per share.
35 shs Burning Moscow at 54 per share, r w.
60 shs Burning Moscow at 54½ per share.
10 shs Burning Moscow at 56 per share, b 10.
30 shs Burning Moscow at 55½ per share.

Amount of sales.....$ 92,310 00

Tuesday, December 6.

4 shs Gould & Curry at 1460 per foot.
16 shs Gould & Curry at 1460 per foot.
2 shs Savage at 1725 per foot, b 30.
1 sh Yellow Jacket at 865 per foot.
2 shs Potosi at 655 per foot.
2 shs Uncle Sam at 195 per foot.
5 shs Imperial at 126 per share.
41 shs Imperial at 125 per share.
55 shs Imperial at 125 per share, r w.
5 shs Imperial at 124⅝ per share.
5 shs Sierra Nevada at 45 per share, b 30.
10 shs Sierra Nevada at 37 per share, b 30.
10 shs Wide West at 15 per share, s 30.
10 shs Wide West at 14 per share, s 30.
5 shs Wide West at 15½ per share.
5 shs Nevada, J. G., at 55 per share, r w.
30 shs Nevada, J. G., at 53 per share, r w.
5 shs Nevada, J. G., at 50 per share, r w.
80 shs Nevada, J. G., at 50 per share, b 30.
10 shs Nevada, J. G., at 50 per share, b 20.
30 shs De Soto at 5½ per share, b 20.
40 shs De Soto at 5 per share.
6 shs Bajazet & Golden Era at 32½ per share.
10 shs Bajazet & Golden Era at 31 per share.
100 shs Josephine, Coso, at 2¼ per foot.
50 shs Josephine, Coso, at 2¼ per share.
15 shs Bullion, G. H., at 160 per share, r w.
10 shs Bullion, O. H., at 162½ per share, b 30.
40 shs Golden Age & Empire at 12½ per share.
10 shs Burnside at 6 per share.
2 shs Burning Moscow at 54 per share, r w
10 shs Burning Moscow at 55 per share.
20 shs Burning Moscow at 51 per share.
100 shs Burning Moscow at 52 per share, r w,
8 shs Burning Moscow at 52 per share.
20 shs Burning Moscow at 51½ per share.
110 shs Burning Moscow at 53 per share, b 10.
20 shs Burning Moscow at 50 per share, s 5.
10 shs Burning Moscow at 50½ per share, s 10.
60 shs Burning Moscow at 51 per share, s 15.
30 shs Burning Moscow at 52½ per share, r w.
20 shs Burning Moscow at 52½ per share.
10 shs Burning Moscow at 55 per share, b 20.
$15,000 Legal Tender Notes at 48¾ per cent, b 10.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct	U. S. Treasury	1864	
Legal Tender Notes	48	48½					
California State Bonds, 7s, 1857	77	—	3,629,500			1867	
San Francisco Bonds, 10s, 1851		105	1,252,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		105	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	62	64	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	72	74	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds	38	40	1,416,000				
Sacramento County Bonds, 6s	43	50	440,000				
Marysville Bonds, 10s	75	77					
Stockton City Bonds	70	80	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 10s	65	75	290,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ℔ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	75	—	2,500	$1,000		2 ℔ ct. ℔ month on capital stock.	Dividend of 3 ℔ ct. paid Oct. 15.
State Telegraph Co	—	40	25,000	100		$1 ℔ share quarterly	
San Francisco Gas Co	75	78	20,000	100		1 ℔ ct. ℔ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ℔ ct. ℔ annum on capital stock	
San Francisco City Water Works	48	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	62	68	3,000	1,000		$450	Assmn't of $10 ℔ sh levied Nov. 4.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ℔ share ℔ month	
Sacramento Valley Railroad Co	20	30	8,000	100	$100		
Omnibus Railroad Co	108	—	10,000	100	41 ℔ cent.—$41.	½ ℔ ct. ℔ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ℔ sh levied June 8.
North Beach and Mission Railroad Co		95	10,000	100	38 ℔ cent,—$38.		
San Francisco and San Josu Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ℔ cent ℔ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	200		$172	$10 per share now due.
Fireman's Fund Insurance Co	—		20,000	10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	118		7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ℔ cent ℔ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ℔ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ℔ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ℔ cent ℔ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co			4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ℔ ct. ℔ month on capital stock	39th dividend paid.

AFTERNOON SESSION.

4 shs Gould & Curry at 1475 per foot.
24 shs Gould & Curry at 1500 per foot, b 30.
24 shs Gould & Curry at 1475 per foot, r w.
8 shs Chollar at 1010 per foot.
200 shs Daney at 21 per foot.
1 sh Uncle Sam at 185 per foot, r w.
2 shs Overman at 80 per foot.
4 shs Hale & Norcross at 250 per foot, b 30.
10 shs Sheba at 18 per foot, b 30.
10 shs Sheba at 16 per foot.
32½ shs Nevada, J. G. at 47½ per share.
10 shs Sierra Nevada at 32½ per share, s 30.
5 shs Sierra Nevada at 33 per share.
20 shs Bullion, G. H., at 165 per share, b 30.
20 shs Bullion, G. H., at 160 per share, s 30.
5 shs Golden Age & Empire at 42 per share.
55 shs Burning Moscow at 53 per share.
30 shs Burning Moscow at 52½ per share.
20 shs Burning Moscow at 53 per share, r w.
100 shs Burning Moscow at 57½ per share, s 60.
30 shs Burning Moscow at 52 per share.
10 shs Burning Moscow at 54½ per share.
60 shs Burning Moscow at 52 per share, r w.
Amount of sales.....$112,509 50

Wednesday, December 7.

2 shs S. F. Water Company at 48 per cent.
$ 6,000 Legal Tender Notes at 48¾ per cent, r w.
$ 2,000 Legal Tender Notes at 48¾ per cent.
$ 3,000 Legal Tender Notes at 48¾ per cent, s 30.
2 shs Yellow Jacket at 850 per foot, r w.
16 shs Gould & Curry at 1470 per foot.
8 shs Gould & Curry at 1450 per foot, s 30.
20 shs Sheba at 15½ per foot.
10 shs Sheba at 15 per foot.
30 shs Wide West at 14 per share.
10 shs Wide West at 14¼ per share, r w.
25 shs Bullion, G. H., at 165 per share.
25 shs Bullion, G. H., at 165 per share, r w.
60 shs Bullion, G. H., at 167 per share, b 60.
10 shs Bullion, G. H., at 170 per share, b 30.
5 shs Bajazet & Golden Era at 30 per share.
15 shs Bajazet & Golden Era at 28 per share, r w.
2 shs Bajazet & Golden Era at 28 per share.
46 shs De Soto at 5 per share.
20 shs Nevada, J. G., at 48 per share.
20 shs Nevada, J. G. at 52 per share, b 30.
10 shs Nevada, J. G. at 48 per share.
10 Josephine, Coso, at 2½ per share.
10 shs Imperial at 124 per share, r w.
10 shs Imperial at 124½ per share, r w.
3 shs Uncle Sam at 1-5 per share.
5 shs Uncle Sam at 165 per foot, r w.
2 shs Uncle Sam at 160 per foot, s 3.
10 shs Burning Moscow at 50 per share.
10 shs Burning Moscow at 50 per share, b 10.
40 shs Burning Moscow at 48 per share, s 5.
20 shs Burning Moscow at 49 per share, r w.
10 shs Burning Moscow at 48¾ per share.
20 shs Burning Moscow at 48 per share, r w.
40 shs Burning Moscow at 48 per share.

AFTERNOON SESSION.

8 shs Gould & Curry at 1450 per foot, s 30.
4 shs Gould & Curry at 1440 per foot, s 30.
4 shs Potosi at 655 per foot, r w.
18 shs Potosi at 650 per share.
1 sh Yellow Jacket at 850 per foot, r w.
60 shs Daney at 20 per foot.
139 shs Buckeye at 6 per share.
5 shs Lady Bryan at 6 per share.
50 shs Imperial at 120 per share, s 60.
10 shs Imperial at 123 per share.
10 shs Imperial at 124 per share, r w.
20 shs Bullion, G. H., at 170 per share, b 30.
15 shs Bullion at 168 per share.
5 shs Bullion, G. H., at 165 per share.
10 shs Wide West at 14¼ per share.
60 shs Burning Moscow at 50 per share.
10 shs Burning Moscow at 49 per share, s 10.
20 shs Burning Moscow at 50 per share, r w.
80 shs Burning Moscow at 49¾ per share.
40 shs Burning Moscow at 50 per share, b 5.
35 shs Burning Moscow at 49¾ per share, r w.
60 shs Burning Moscow at 48 per share, s 15.
50 shs Burning Moscow at 49 per share.
$10,000 Legal Tender Notes at 48¾ per cent, Monday.
Amount of sales.....$ 99,255 00

Thursday, December 8.

6 shs Hale & Norcross at 300 per foot, s 10.
2 shs Hale & Norcross at 290 per foot.
4 shs Hale & Norcross at 270 per foot.
4 shs Hale & Norcross at 255 per foot.
8 shs Hale & Norcross at 250 per foot.
24 shs Hale & Norcross at 235 per foot.
15 shs Hale & Norcross at 225 per foot.
4 shs Hale & Norcross at 220 per foot, r w.
2 shs Hale & Norcross at 215 per foot.
4 shs Hale & Norcross at 210 per foot.
6 shs Hale & Norcross at 220 per foot.
12 shs Hale & Norcross at 230 per foot.
2 shs Hale & Norcross at 250 per foot, b 30.
2 shs Hale & Norcross at 250 per foot.
1 sh Yellow Jacket at 880 per foot.
4 shs Yellow Jacket at 920@925 per foot, b 30.
4 shs Gould & Curry at 1450 per foot.
8 shs Gould & Curry at 1435 per foot, s 30.
70 shs Sheba at 11@12 per foot.
40 shs Sheba at 12 per foot, r w.
15 shs Bajazet & Golden Era at 32@33 per share.
10 shs Bajazet & Golden Era at 32 per share, r w.
5 shs De Soto at 5 per share.
10 shs Nevada, J. G. at 46 per share, b 30.
30 shs Nevada, J. G., at 46@45 per share.
35 shs Nevada, J. G., at 37½@39 per share.
10 shs Wide West at 13¾ per share.
100 shs Burning Moscow at 49@50 per share.
95 shs Burning Moscow at 49 per share, s 10.
38 shs Burning Moscow at 49¾@51 per share.
10 shs Burning Moscow at 51 per share, r w.
10 shs Burning Moscow at 48¾ per share, s 10.

AFTERNOON SESSION.

$ 8,000 Legal Tender Notes at 48¾ per cent.
$5,000 Legal Tender Notes at 48¾ per cent, stmr day
4 shs Gould & Curry at 1420 per foot, s 30.
12 shs Hale & Norcross at 255@256 per foot.
60 shs Ophir at 400@405 per foot.
48 shs Ophir at 1 50@07½ per foot, r w.
12 shs Ophir at 407½ per foot.
90 shs Sheba at 11@11¾ per foot.
20 shs Sheba at 12 per foot, b 20.
10 shs Sheba at 12 per foot.
30 shs Wide West at 13@13¼ per share.
10 shs Golden Age & Empire at 12 per share.
2 shs Uncle Sam at 150 per foot.
12 shs Uncle Sam at 145 per foot.
1 sh Uncle Sam at 145 per foot, r w.
5 shs Uncle Sam at 140 per foot, s 30.
10 shs Nevada J. G., at 38 per share, s 10.
20 shs Bajazet & Golden Era at 31@33½ per share.
10 shs Bullion, G. H., at 162½ per share, b 10.
20 shs Burning Moscow at 48¾@49 per share.
10 shs Burning Moscow at 48 per share.
Amount of sales.....$56,375 00

Friday, December 9.

2 shs Potosi at 600 per shares, s 30.
12 shs Hale & Norcross at 310@315 per foot.
6 shs Hale & Norcross at 325 per foot, b 30.
8 shs Gould & Curry at 1425@1450 per foot.
1 sh Savage at 1650 per foot.
2 shs Savage at 1680 per foot, b 30.
24 shs Ophir at 390 per foot, s 30.
24 shs Ophir at 400 per foot, b 30.
8 shs Chollar 965 per foot.
45 shs Imperial at 123@122½ per share.
4 shs Bajazet & Golden Era at 34@36 per share.
45 shs Mount Davidson at 1⅝ per share.
10 shs Buckeye at 5 per share.
10 shs Burnside at 6½ per share.
10 shs Nevada, J. G. at 43¼ per share, b 30.
10 shs Nevada, J. G. at 43 per share.
10 shs Nevada, J. G. at 43½ per share, s 3.
10 shs Nevada, J. G. at 46 per share, s 3.
60 shs Wide West at 13 per share.
1 sh Uncle Sam at 145 per share.
285 shs Burning Moscow at 46@49 per share.
30 shs Burning Moscow at 45@40 per share, s 5.
190 shs Burning Moscow at 47@42 per share, b 30.
20 shs Burning Moscow at 40 per share, s 10.
20 shs Burning Moscow at 39 per share, b 5.
100 shs Burning Moscow at 40 per share, b 10.
10 shs Burning Moscow at 39 per share, s 3.

AFTERNOON SESSION.

165 shs Burning Moscow at 40@42 per share.
140 shs Burning Moscow at 42 per share, b 5.
185 shs Burning Moscow at 39@39½ per share, s 10.
50 shs Burning Moscow at 39 per share, s 5.
50 shs Burning Moscow at 39@40 per share.
4 shs Potosi at 580 per foot, s 30.
4 shs Hale & Norcross at 285 per foot.
2 shs Chollar 965 per foot, b 30.
10 shs Justis at 48 per share.
10 shs Justis at 46 per share.
15 shs Bajazet & Golden Era at 38 per share.
15 shs Bajazet & Golden Era at 39 per share.
15 shs Bajazet & Golden Era at 40 per share.
35 shs Sheba at 12½@13 per foot.
Amount of sales.....$ 82,845 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month's Div'd Per ft.	Recent Assessments Per foot	Total Assts Paid
Baltimore American	2,000	1	2,000	$ 500 00	$ —	$ 30 00	—	Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	—	50 00	—	July 18 $0; Oct. 12, $10.	45 00
Bajazet and Golden Era	4,000	1	4,000	300 00	30 00	—	—	July 30, $5. Aug. 4, $5.	38 25
Best & Belcher	224	4	896	500 00	200 00	300 00	—	May 17, $100; Sep 21, $30.	230 00
Burning Moscow	4,100	1	4,100	500 00	30 00	40 00	—	Jan 19, $15; June 24 $5.	56 34
Burnside	2,800	1	2,800	500 00	5 00	0 00	—	Feb 10, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	—	750 00	—		
Buckeye	3,000	—	2,800	100 00	2 00	3 00	—	Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	200 00	100 00	165 00	—	Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—	—	—	July 12, $150 00	
Central	150	12	1,800	500 00	—	600 00	—	Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	8 00	10 00	—	May 25, $3; July 12, $1½	10 50
Crown Point	600	4	2,400	1,000 00	700 00	725 00	—		190 00
Chas. Caney	1,800	1	1,800	100 00	—	15 00	—	Nov 30, $5; Mar 16, $3.	25 00
Chollar	1,400	4	5,600	800 00	065 00	1,000 00	—	Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	100 00	21 00	23 00	—	Sept 15, $10 ; Nov 7, $8.	66 00
Desert	2,200	1	2,200	100 00	—	—	—	Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—	—	Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	10	1,200	833 00	—	550 00	—	$25	
Gould & Curry	1,200	4	4,800	500 00	1,425 00	1,430 00	—	$50	
Grass Valley	4,200	1	4,200	500 00	—	30 00	—	Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	310 00	320 00	—	Sept. 13, $50; Nov 8, $50.	475 00
Imperial	184	—	4,000	500 00	1.2 00	124 00	—	$7.50	Dec 22, $12.50 per share.	250 00
Iowa	1,200	1	1,200	1,000 00	—	12 00	—	Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	1 00	2 00	—	July 19, $3; Nov. 1, $5.	23 25
Lucerne	1,800	1	1,800	500 00	—	—	—	Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00	—	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	10 00	17 00	—	Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,160	1	2,160	100 00	45 00	48 00	—	July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00	—	Aug 6, $12½; Oct 18. $12½	140 00
North American	4,100	1	4,100	300 00	25 00	40 00	—	Mar 23, $20; Sept 2 $2.	
North Ophir	1,000	1	1,000	500 00	—	—	—	Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	50 00	—	8 00	—	Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	10,800	300 00	380 00	395 00	—	$48	
Overman	1 200	1	1,200	500 00	60 00	75 00	—	July 7, $20; Nov. 19, $50.	
Potosi	1,400	2	2,800	500 00	600 00	600 00	—	Dec 9, $60.	62 00
Porter	600	1	600	500 00	—	30 00	—	Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	5 00	6 00	—	$5 Oct, Nov, Dec 16, $0.	9 00
Savage	800	1	800	2,000 00	1,050 00	1,660 00	—	$75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	10 00	12 00	—	Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00	—	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	—	48 00	—	Mar 8, $5; May 16, $10.	95 00
Spanish No. 2	1,600	1	1,600	500 00	—	10 00	—	Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	145 00	150 00	—	Aug 25, $100; Nov 3, $100.	263 00
Whitman	1,800	1	1,800	1,000 00	—	—	—	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	500 00	—	50 00	—	June 17, $30; Oct 6. $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	850 00	900 00	—	July 21, $50; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	40 00	80 00	—	Feb 10, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—	—	Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	5 00	—	—		12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—	—	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	12 00	14 00	—	$5		
Nevada	600	2	1,200	250 00	—	—	—	Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	18 00	23 00	—	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00	—		8 25
Ural	400	1	400	500 00	—	—	—	Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	5 00	—	Jan 5, $3; Sept 20, $12½	19 00
Wide West	2,600	1	2,600	500 00	13 00	14 00	—	May 25, $5; Nov 21, $5.	90 00

COSO DISTRICT.

Coso	26,000	—	3,600	000 00	—	—	—	Jan 29, $1; May 11. $1.	
Josephine	9,600	2	4,800	250 00	—	—	—	July 31, 50c; Nov 19, $1.	13 00
San Carlos	—	—	2,600	100 00	—	—	—	Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—	—	Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Solo	1,980	1	1,980	100 00	—	20 00	—	Fly 23 2.50; Sept. 17, 2½	16 85
Sheba	1,800	2	3,600	500 00	11 00	12 00	—	Aug 12, $20; Nov 25, $30.	32 35

REESE RIVER DISTRICT.

Amador	1,400	—	—	—	—	—	—	May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—	—	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—	—		
Oregon	800	2	1,600	300 00	20 00	—	—		1 00
Union No. 2	1,000	1	1,000	500 00	—	—	—	Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	—	—	—	June 25, $5; Nov 16, $10.	26 00
Willow	2,800	—	1,400	200 00	—	—	—	Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—	—		
North Star	1,000	1	1,000	500 00	60 00	—	—	Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—	—		1 50
Diana	1,200	1	1,200	500 00	—	—	—		1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—	—		2 00
Joe Lano	1,000	1	1,000	500 00	—	—	—	Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—	—	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00	—	Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—	—	Feb 10, $30; Aug 23, $10.	150 00
Spade Guadelupe	3,600	1	3,000	1,000 00	—	—	—		9 00
San Marcial	13,200	1	13,200	100 00	25 00	—	—		
San Nicholas	1,200	1	1,200	200 00	—	—	—	Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00	—	Jun 16, $1½; Oct 5, $1½	
Fellows	2,500	1	2,500	100 00	—	—	—		
McInnes	3,000	1	3,000	50 00	6 00	9 00	—	June 30, $2½; Oct 27, 2½	
Napoleon	2,700	1	2,700	500 00	50 00	80 00	—	Feb 13; $10; June 8, $5.	15 00
Triunfo, L. G.	7,865	1	7,866	200 00	—	25 00	—	June 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.	Oct. 10th.	Oct. 20th.	Nov. 1st.	Nov. 10th.
Gould & Curry.....per ft.	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300	$1,380	$1,610	$1,650	$1,335
Ophir	1,200	825	920	850	720	725	670	425	450	500	490	460	300	350	355	455	415	435
Savage	1,800	1,000	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400	1,800	1,850	1,900	1,800
Potosi	900	850	850	900	1,000	625	1,100	925	875	900	890	800	690	720	790	750	850	820
Chollar	650	500	575	515	375	425	300	300	325	475	550	650	660	690	890	950	1,000	1,000
Hale & Norcross	525	500	425	350	475	350	....	310	....	300	480	425	240	350	350	465	490	1,000
Sheba	100	90	90	80	75	70	50	40	25	20	80	95	75	70	67	65	62	53
Daney	....	60	....	50	....	50	45	30	35	....	35	30	....	20	....	27	20	20
Wide West	22	20	15	12	10	8	7	20	17	18	30	31	27	35	28	26	28	23
Burning Moscow	65	52	45	40	23	15	13	12	15	18	20	19	27	60	62	72	37	40
Pride of the West	18	8	10	5	6	3	2	....	2	....	2	2	8	6	7	7	7	8
Bullion	70	68	65	70	65	50	50	40	50	....	....	40	40	55	86	110	145	165
Real del Monte	48	40	41	32	23	15	12	11	15	13	14	15	19	35	25	25	24	25
El Dorado	....	....	....	....	....	....	10	8	10	12	5	....	....	....	....	....	....	....
Overman	....	....	200	200	250	200	....	250	225	....	150	175	160	....	185	165	165	130
Sierra Nevada	55	....	....	....	....	20	15	16	15	....	10	22	20	....	20	42	50	45
Yellow Jacket	750	750	950	900	850	700	600	450	400	450	375	400	575	600	725	800	970	950
White & Murphy	....	....	....	....	....	....	300	....	....	....	....	....	....	....	25	30	....	40
Sides	....	....	....	....	....	....	200	....	....	175	....	....	....	....	20	....	....	....
Uncle Sam	700	650	700	610	....	400	350	250	190	210	200	200	....	200	350	210	190	180
Ballic	65	75	70	55	45	40	22	15	13	13	16	24	23	22	30	31	20	18
North American	110	122	120	90	65	62	54	30	....	25	25	25	30	25	56	40	....	40
Baltimore American	47	35	....	50	40	42	35	30	32	20	20	15	25	....	25	26	....	....
Melones	15	20	15	....	10	12	9	13	17	13	13	....	....	....	13	12	....	8
Antelope	147	....	125	130	100	65	70	50	....	....	14	12	20	15	20	45	65	100
Napoleon	75	70	80	75	70	65	60	45	....	50	60	....	....	....	75	....	70	....
Sacramento	50	50	45	....	....	....	20	....	....	....	....	....	....	....	....	....	....	....
Utah	....	....	28	26	30	18	15	18	15	....	....	....	5	....	5	6	5	....
Lady Bryan	35	23	32	25	25	10	4	5	4	5	5	7	6	9	6	5	3	3
Imperial	....	....	....	....	....	....	....	....	....	....	....	....	....	....	149	151	155	148

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

FRANK LAWTON, Secretary.

J. B. E. CAVALLIER, President.

Mechanical.

Sound Waves.—It has been often suggested that variations of sound in music, whether from the voice or any kind of instrument, are caused by the peculiar *form* of the sound waves or vibrations produced. A series of careful experiments was made a short time since, by an ingenious Frenchman, which fully proved this theory. The apparatus employed consisted of a tube flaring out widely at one end, like a trumpet, and closed at the smaller end by a very thin membrane, to the center of which was attached a lead pencil. This tube concentrated the sounds by means of its peculiar construction, receiving them at its wide mouth, and *writing them down upon paper*, by the vibrations of the membrane and the pencil attached at the smaller end—the paper being moved along before the pencil, at a uniform rate, by means of clock work. The figures on the paper varied, both in *form* and dimension, according to the *kind* of music produced. It was also demonstrated, that the more agreeable the music was to the ear, the more uniform and regular were the tracings made by the pencil. Shrill cries, harsh sounds and disagreeable, unmusical intonations produced very irregular and ungraceful lines upon the paper. The result of the experiments was very interesting, and the ingenuity displayed in producing an automatical instrument for registering sound, was highly creditable to the mechanical skill of the experimenter.

Water Tight Cisterns.—It is oftentimes desirable to so construct the walls of a cistern that they will prevent water, in moist places, from soaking through from the outside, as well as retaining the water upon the inside. The following method of construction is perhaps as cheap and reliable as any for such a purpose:—"Spread the bottom of the cistern with hydraulic cement, then lay upon the cement a layer of bricks, and commence the walls about one inch inside of the bottom layer of cement; build up the wall to the hight of four courses of brick, leaving a space of one inch between the outside of the same and the wall of earth excavation; fill up this space with gravel, or cement, made very thin and pound in. Then build up four courses more, and fill in again, until the wall is completed. Plaster inside with a coat of cement and you will never be troubled with either leaks or infiltration."

To Save Gas.—Many gas consumers still persist in regulating the flow of gas by the burner valves. Such a procedure is decidedly wasteful. The fact has been often repeated that the best way to regulate the flow of gas—and thereby economize it—is to the burners, is not by the burner valves, but by the main valve near the meter. When the gas jets are burning, this valve should be turned to regulate the flame to the proper length, with the burner valves freely open. The object of this is to reduce the total pressure in the pipe before the gas comes to the burners, so that some gas may not escape unconsumed, as is usually the case when the burner valve is used as the regulator.

Smoke Consuming on a Large Scale.—A distinguished English chemist, Prof. Spence, of Manchester, proposes to obviate the inconveniences of smoke, in London and other large cities, by disposing of it after the following manner:—His plan is to carry the smoke into a large central sewer under the street by proper conduits, and then have at some distance from the city, a Tower of Babel-like chimney, into which all the smoke should come. The idea is novel, but scarcely practicable.

A Large Pump.—The cylinder for the pump of the Gold Hill Drainage Company has arrived upon the company's ground. It is described as a monster piece of machinery—its length being fourteen and a half feet, its diameter about five feet, and its weight eight tons. It was caught by the storms of the last few days, and hauling it up the steep street of Gold Hill, according to the *News*, with the snow, mud and slush a foot in depth, was a heavy job. It took eight pair of large horses to drag it along.

FALSE PREMISES.

Editors Press:—I am frequently annoyed by seeing, in the columns of scientific journals, the most absurd rules in engineering, and accounts of wonderful machines which are represented as being capable of performing impossibilities. These accounts of the "wonderful machines" are generally so worded as to give the desired impression to the general reader, but avoid figures or fixed points, by which an engineer might be able to decide as to the truth or fallacy of the statement. By way of illustration I may refer to the account of the invention, by which one Chinaman was to do the work of two horses in running street cars; as also to the notice of the "Pendulum Machine," which, with a six horse-power steam engine, was to run a 24-stamp quartz mill.

Now, to neither of the above propositions could an engineer make any reply, for the reason that there is not a single fixed point or claim in either, which the writer might not explain to mean something different from the apparent meaning. But now we have something definite, and coming from a quarter worthy of notice: I refer to the report of the Committee of Awards on Water Wheels, Hydrostatic Engines, Pumps, &c., &c., chosen by the exhibitors of such machines at the Mechanics' Fair of San Francisco for 1864; said report being published in your paper of October 29th. In awarding a special premium to the Hansbrow & Redding Hydrostatic Engine, the committee say, that with this engine one horse-power is obtained from each inch of water (miners' measure), with a fall or pressure of 200 feet. Now that is simply an impossibility. As you are aware, the miners' measure of water, when used in calculations for machinery and horse-power, is now, like the horse-power, a definite standard of measure, equal in weight to 145 86-100 pounds per minute, or to 4,032 cubic inches of water per minute, or their equivalent in any other measure. Now a weight of 145 86-100 pounds per minute, exerted through a fall of 200 feet, is only equal to 29,172 pounds through a fall or hight of one foot, per minute, while a horse-power is equal to 33,000 pounds through a hight of one foot, per minute. So that if it be true that the engine gives one-horse power per inch of water (miners' measure) used with a head of 200 feet in hight, then the engine may be made to pump all of the water, that is used in working it, back into the reservoir from which it is supplied, thus making of it a veritable perpetual motion, or self-supplying machine, yielding over 13 per cent of clear gain in power; or, in other words, a 100 horse-power engine would be able to supply itself with water and afford 13 horse-power, free of cost, to be applied to the driving of machinery.

Such a report can only be an injury to parties interested in the invention, for engineers (who of course know it to be impossible) are likely to give it no further thought, but merely consider it another of the many humbugs offered to the public by crack-brained inventors—or rather would be inventors—while a worthy member of the great public, who takes everything he sees published in a "scientific" paper as a scientific truth, (which in fact it should be, if possible,) and who, though not an engineer, may be an excellent business man, with enterprise enough to try new inventions when properly recommended, may find himself "out and injured"—not because the invention is a humbug, but because he has been led into making a wrong calculation. For instance: the building of machinery that will require 100 horse-power to drive it, in a locality where it is impossible to obtain more water than will afford 95 horse-power. There his machinery is a loss—not because the machinery is not good of itself, nor for the reason that the engine is defective, nor because the water-power is not good as far as it goes of itself, but because the one is not proportioned with reference to the other. Or, again, he may erect his machinery on something like the following calculation:—Interest on cost of machinery, together with incidental and running expenses amount to one hundred dollars for a given time; receipts for the same time give one hundred and ten dollars; leaving a profit balance of ten dollars—a very good percentage. But suppose, on trial, he finds that the power to run his machinery costs him 13 per cent more that he calculated; will he not be very apt to use harsh expressions toward everybody and everything that led him into the blunder, and ever after give new inventions a wide berth, thereby doing all real improvements a very great injury?

And now, Messrs. Editors and Committee, I want it distinctly understood, that I am not disparaging the Hansbrow & Redding Hydrostatic Engine, but only your report of it; for I can myself testify that the engine is really a most perfect machine, both in design or invention, and in mechanical workmanship, and I believe it will give as high a percentage of the power applied as will the best steam engine; the only perceptible difference between them, in my opinion, being that the one is adapted for steam and the other for water power, each working on precisely the same principle, but being designed with reference to the peculiarities of the element from which it derives its motive power. So perfect, indeed, is the Hansbrow & Redding engine in its design and workmanship, that I would have no hesitation in saying that the effective horse-power of one of them, working with a head of water 200 feet high, would be fully equal to the effective horse power of a steam engine, of equal sized cylinder, and allowed to run at an equal speed, with a pressure of steam in the boilers of 86 pounds. Theoretically, one inch of water, miners' measure, with a fall in vacuum of 226¼ feet, would just equal one horse-power; consequently the engine or wheel that will give actually one horse-power per inch of water, with a fall of 230 feet, or even 250 feet, requires no further recommendation.

Wood Bending.

The use of bent wood, for an increasing variety of purposes, surpasses the knowledge even of those most familiar with its production. It is used in all departments of business and pursuits of life, wherever man and his products are known. It is as ancient as history, and is found among those in the rudest state of barbarism. Little is known of the most ancient devices for bending wood, but the oldest patented in England is now nearly a century old, and is used there yet for some purposes. The oldest in the United States was used first in 1794 up to 1821, then patented with but little change. In 1813, at the Woolwich Navy Yard, in England, floor timbers, sixteen inches square, for a man-of-war, were bent over an arc of a circle with a radius of four feet. All these devices, as well as almost all others subsequently used, restrained, in some degree, that tendency found in wood to elongate its outer curve when under the operation of bending, the same as is now claimed to be done in apparatus brought as near the state of perfection as the nature of wood and the change of position the particles undergo will admit. The organic structure of all woods of the endogenous or external growths, are similar, and possess the qualities of cohesiveness and compressibility, more or less, differing most in the degree or quantity of these two qualities, which make and determine the amount or degree of flexibility and elasticity in any wood. These qualities, with a structure that will admit any fluid agency to thoroughly penetrate and soften its particles, indicate a wood that may be made to assume any curvilinear shape required for practical use. Then only ordinary judgment and skill would be required to operate good wood-bending apparatus successfully, without any loss occuring from breakage of the wood under the operation of bending, but when the wood has not been seasoned or partially seasoned, a trifling loss will occur from breakage caused by the shrinkage that all woods are subject to in the process of seasoning. And in the case of unseasoned bent wood, this shrinkage acts upon the fiber of the outer curve, which is always at the point of tension, if not in an actual state of severe tension, for the reason that in deflecting any substance, but particularly wood, either with or without partial restraint, to oppose tension, the wood is acted upon by two forces, the one a crushing force that fore-shortens and upsets the lesser or inner curve, with a tendency to rupture it laterally, the other a tensile force that stretches and elongates the outer curve, with a tendency to fracture it transversely and lift the fiber, which is the most hurtful and oftener occurs to the product. These two forces are divided by a neutral line more or less removed from either curve in proportion to the amount of restraint employed to oppose the elongation of the outer curve, but when nearest the outer curve the best product is had, because all tension, however little, is injurious to the structure of the wood, arising from separating and drawing out the fiber which can never be made to unite again, as in ductile and malleable substances, and because the crushing or compressing force improves the wood by forcing the fiber into the interstices or cells, and by interlacing and interlocking the fiber, a product is had nearly resembling the knot or knurl, which is difficult to split or cut, even when rupture is indicated.

In order to get the best product of bent wood, the crushing force alone should be used, and it can be if the fiber of the wood be left free to move into the new position in more than one direction from the point of bending, by beginning the curve in the middle of it when the wood is made to assume a long curve first, before taking the shorter curve of the mold, which long curvature starts the fiber throughout the whole wood, and makes more, if not every particle of the wood, accessible to the influence of the softening agent already in it, and consequently more yielding to the action of the crushing force. This force should be produced and governed by fixed and immovable restraint that should not compress the wood while in its straight form; it should also prevent end expansion and preserve the exact length on the outer curve of the product as that of the wood in its straight condition. This would give a product uniform in density and rigidity throughout its whole curve, to resist any tendency to change the shape produced. The long curve gradually lessening to the curve of the mold, would amount to double on successive manipulation, and by successive manipulation wood has been pressed into one-third of its primary bulk, with every quality improved to resist decay and wear in use. Nothing can be reasonably urged in support of the popular belief of the necessity to produce or permit tension and elongation in successful wood bending.

Tension and elongation are required or permitted only in consequence of the use of imperfect apparatus—elongation is positively indispensable in machines that bend from one end, or in one direction from the point of bending, and that press the wood against the mold with such power as to prevent all movement of the fiber, producing in advance of the point of bending a wave-like movement among the fibers of the wood, held rigidly confined and straight, until suddenly made to take the curve of the mold. The movement in advance of the bending gradually accumulates a power that resists compression thus attempted, and before the completion of the process, and in order to save the machine or the product, relaxation of restraint is required, and is followed by elongation of the wood, however small it may be. Tension acts upon the fiber, giving a product uneven throughout its whole length, and more liable to change the artificial shape. It is obvious that any augmentation or diminution of restraint during the process, must give just such results, and that the machinery in use for wood bending is far from having reached perfection; there can and will be machinery constructed to bend large timbers for marine and other structures over any arc or curve that will not require a reduction of its bulk by the compression of the inner curve, to less than one-half its original bulk. All our past experience has shown wood-bending machinery to be most profitably employed in the production of smaller articles, for which there is an unlimited demand that will continue because of the suitableness and superiority of bent wood for these purposes.

A Cyanometer is an instrument recently invented by Saussure for determining the deepness of the tint of the atmosphere. It is a circular band of thick paper divided into fifty-one parts, each of which is painted with a different shade of blue, decreasing gradually from the deepest blue, formed by a mixture of black, to the lightest, formed by a mixture of white. The colored zone is held in the hand of the observer, who notices the particular tint which corresponds to the color of the sky. The number of this tint, reckoned from the lightest shade, marks the intensity at the time of observation.

The Screw Propeller.—Frederick Sauvage, a Frenchman, it is claimed, was the first to conceive the idea of employing the screw as an auxiliary of steam. He died, a few years since, at Havre, France. His fortune and health had been ruined by his labors in scientific discoveries, and his reason had left him in consequence of chagrin of different kinds.

Prof. Silliman, who has been analyzing the silver ores of Nevada, thinks that the yield of even the richest of the mines might easily be doubled by the use of more scientific knowledge and skill.

Mining and Scientific Press.

W. H. EWER,.....SENIOR EDITOR.

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It is Impossible for editors to know all the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for inventions can be secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For references, we shall furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Dec. 10, 1864.

QUARTZ REDUCTION WORKS.

We would call the attention of all persons, engaged in mining, to the advertisement in this issue of the Reduction and Metallurgical Works recently erected by Messrs. Fauchery & Genard, at the Railroad Foundry on Fremont street, near Market. At their works the quartz is first reduced to a degree of fineness suitable for the ordinary pan process, by passing it through the Crocodile Quartz Crusher. From this "Crusher" the sand is made to pass without handling, through a grinding apparatus, which is well conceived and most effective. The grinding surfaces consist of two iron disks working upon precisely the same principle as the ordinary French burr stones. These disks are kept in constant order, automatically, by the very peculiarity of their construction, the surface being made of alternate bands of cast and wrought iron. The latter wearing faster than the former, acts as a self-sharpener and keeps the surfaces constantly ridged by means of the regular work of the machine. It pulverizes either wet or dry, as the operator may desire.

From this grinder the slime passes into an amalgamator, also a new invention, which they have denominated an "Improved Freiburg Barrel," which has the faculty of being made to suit the character of the ores under treatment. Thus, when working rock containing free gold, it is constantly receiving and amalgamating the slime without intermission; while in silver ores it receives and retains the charge until it is thoroughly treated, when it is washed by a stream of water passing through the machine, leaving the amalgam and mercury separated and in a clean state. These results are all effected in an easy and simple manner. The slime, while being amalgamated in this barrel, receives a constant gyratory motion, from one end of the barrel to the other, by means of a series of screw shaped riffles or bars, which aid materially in securing for the mass a thorough mixing, and consequently a more rapid amalgamation of the contained metals.

One important feature of this system of barrel amalgamation is said to consist in the fact that there is no rubbing or grinding of the mercury, between iron, stone, or other surfaces, as occurs now with most if not all other machines in use, whereby great loss arises from "float mercury," as the miner calls it. This loss is said to be entirely obviated, as, it is claimed, has been shown by a great number of careful experiments.

These machines would appear to constitute a cheap and most effective quartz mill, in all its departments, which can be put up at a cost not exceeding $2,000, and of a capacity thought to be sufficient for the reduction of over half a ton of rock per hour. The machinery can all be run with a six horse-power engine, is simple, not liable to get out of order, and works with but very little noise. It does not occupy a space to exceed thirteen feet by six. Miners and others visiting the city will do well to call, and examine these works for themselves.—Messrs. Fauchery & Genard are prepared to construct and sell mills, and to reduce ores in a greater or less quantity, at their works on Fremont street.

Mr. Fauchery is also the inventor of the new turbine wheel known as "Fauchery's Turbine Water Wheel," of which five are now in operation in different parts of the State. This wheel will be recollected by visitors at the late Mechanics' Fair as the miniature model which was employed to drive a small quartz mill at the Pavilion.

A FEW WORDS WITH OUR READERS AND THE PUBLIC.

We are frequently consulted by persons—miners and others—with regard to the purchase of scientific books, treating upon mining, metallurgy, mechanics, etc. There is an evident desire on the part of our miners, generally, and many mechanics also, to acquire practical and reliable information with regard to their several occupations. The miner would like to post himself with regard to all facts pertaining to the location and working of mines; the mill-man wishes to understand all the various "processes" for handling the different kinds of ore which he is called upon to work at his mill; the mechanic is desirous of keeping himself posted in the improvements that are constantly being introduced into the various classes of machinery; and all inquiring minds are more or less interested in the great march of improvement which is now moving with such wonderful celerity throughout the whole civilized world, and introducing one revolution after another into all the various branches of productive industry. People are beginning to awake to the fact that there is no branch of industry in which they can thrive without thoroughly informing themselves with regard to all its bearings, and the improvements affecting it, which are constantly being introduced. Things are not now as they were fifty years ago, when an apprentice was expected to learn everything essential to his business in a few short years of apprenticeship; when the son never thought of moving out of the beaten track followed by his father; when he who made nails by hand never dreamed of a machine for making them; and so of almost every other pursuit, either in mining, mechanics, or agriculture.

Now, if a man does not keep himself thoroughly posted in the improvements of the day, he is behind the times, and his shop or mill, if he owns either, will soon be deserted for those where all the "modern improvements" may be found. Hence the increasing demand for books and periodicals devoted to practical information alluded to at the outset of this article. We are often puzzled to give advice in such cases. The fact is, the march of improvement is so rapid that books can't keep up with it. A work may be written upon chemistry by one of the best chemists of to-day, and almost before it is through the press the advances that have been made in that science in the meantime may have rendered it quite antiquated. So of metallurgy, and so of most of the various mechanical operations of the day. So patent has this truth become, that nearly every leading pursuit now has its special periodical devoted to its interests alone; and it is utterly impossible for any man to excel in his specialty without he is a constant reader and student of the journal devoted to his particular interest.

Books are now employed chiefly as texts from which to obtain general principles. They are next to worthless to the practical man, unless they are accompanied by parallel periodical publications, from which he may inform himself with regard to the progress which his co-workers are making in discovering new principles or improving such old ones as have a bearing upon his occupation.

But we commenced this as a *business* paragraph; and to make it practical and bring it to a point, we would suggest to the reader, who must fully agree with all we have thus far said, that the particular object and aim of the Mining and Scientific Press is to render itself valuable and acceptable to the public as a medium of information which shall be generally useful and practical to all classes. We would assure the miner, whether in the mill or mine, that we shall allow nothing to transpire without transferring it to our columns, and, when necessary or advisable, informing our readers promptly where they can obtain more full particulars than we can readily give. We would say the same, also, to the mechanic. It is to these two classes, particularly, that we devote this journal as a specialty. We do not believe that any miner or mechanic can be found, who has read our paper carefully for the past two years, but who will freely acknowledge that the practical information we have imparted in these columns during that time could not be obtained by ten times the two years subscription price expended in the most choice selection of books which could be purchased. Any person who can read these columns without gaining a large amount of valuable information is certainly more fortunate than the writer, for he has learned much—very much—during the past two years from the thoughts and investigations of his associates and contributors, who have aided him in supplying material for these pages, to say nothing of what he has gathered from his exchanges, the gist of which he has carefully extracted and compiled for the benefit of the readers of this publication. We have, time and again, been assured by individual patrons that a single paper has been worth more to them than the entire year's subscription.

Reader, are you a miner or mechanic? Do you take the Press? If so, all right; if not, you are a greater loser than the publishers of this paper can be by the lack of your subscription. Of this truth you may assure yourself by inquiring of any one who has read the paper carefully for one or two years past; hence, if you are wise, you will no longer delay sending in the amount of six months' or a year's subscription. We are also prepared to furnish back numbers of the paper, bound or unbound, since January last. They will be found better worth their cost by far than any other book or periodical obtainable.

The Potosi-Bajazet Decision.—This important and interesting mining case has at length been decided. The matter decided was an application for an injunction, on the part of the Potosi, for prohibiting the further taking out of ore from certain grounds in dispute, by the Bajazet and Golden Era Company. Both these companies own valuable mines—the Potosi on what is supposed to be the main Comstock lode, and the Bajazet on what is supposed to be a side vein or spur, and taken up at a later date than that of the Potosi. In a similar case between the Gould & Curry and the North Potosi, a decision was recently rendered that the side vein is a spur, and must belong to the owner of the main lode, and a like judgment was expected in this case, which was heard before Judge Mesick as Referee. He has filed his report, refusing the injunction; and deciding the case on a point that was not made by the defendant. The main question, in the opinion of the lawyers, who spent about a week in the argument, was whether surface veins alongside of the Comstock lode are independent veins or mere spurs. But Judge Mesick says that it is unnecessary to go beyond the fact that the Potosi Company, which sues as a corporation, proves that it was incorporated in 1861, and claims its mine under a deed to the Company made in the previous year, when no such company existed. The Potosi Company, therefore, has no title sufficient to serve as a basis for ejectment or injunction. The case is beset with many complex and perplexing questions of law and equity.

A Coal Company.—The Dwamish Coal Mining Company has recently been incorporated in this city. Its object is to develop certain coal mines of the Dwamish River and Lake, Washington Territory. Capital stock, $300,000. Trustees, Frank Roule, C. P. Wolcott, Douglass Gunn, Joseph Healy and L. M. Mauzer.

Progress of the Pacific Railroad.

The Auburn *Stars and Stripes*, of November 23d, thus speaks of the progress on the Central Pacific Railroad:

Feeling, in common with the people of Placer county, a deep interest in the speedy construction of the great Pacific railway, we, with a view to post ourselves as to its progress, took occasion a day or two since to ride along the line of that portion of the road between Newcastle to Auburn, the grading of which has been in progress for several months past—much of the work is deep cutting through rock and heavy fills across deep ravines. We confess that we have hitherto felt some impatience in regard to what we deemed a want of energy in the prosecution of the work from Newcastle to Auburn. But after looking at the many long, deep and narrow cuts through rock, in which but few men could find room to work, we are satisfied that the time consumed in making such cuts could not have been materially shortened by any means. Most of the heavy work between Auburn and Newcastle is now done, or approaching completion, and we see no reason to doubt that our quiet town will in a very short space of time be enlivened by the music of the locomotive whistle, and the hearts of our people made glad by the return of business and prosperity to their wonted and proper place.

While operations are thus progressing on the California end of the road that portion immediately west of Missouri is also being pushed forward with a most commendable degree of energy. From Omaha, in Nebraska, opposite Council Bluffs, on the Missouri river, to the Elkhorn, a distance of eighteen miles, the work of grading has been vigorously prosecuted during the past eight months, and will be continued with unabated zeal through the winter. This section of the route will probably be ready for the rails some time during the coming summer, and then along the Valley of the Platte, for a distance of five hundred miles the track will be laid with a rapidity unexampled in the construction of railroads. At no point in that long distance west of the Elkhorn, will a cut or a fill over five feet be required. Not more than a dozen curves will be necessary, and the average grade will be less than five feet to the mile—the maximum not exceeding six. Fifteen miles of this level section have already been graded west of the Elkhorn, and by the use of patent excavators, three miles per week are being completed, or were during the fall. By the first of November next, it is expected the cars will be running between Omaha and Loup Fork, eighty-five miles from the Missouri river.

While the Eastern portion of this great work is being pushed forward with such a commendable degree of energy, it is to be regretted that so much apathy and contention exists with regard to its western terminus and construction. Cannot a little more spirit and harmony be infused into the enterprise in California? The people of Nevada have a deep interest in the matter, and so has every Californian who is interested in any kind of business over the mountains. Let us cease our bickerings and join in a united effort to put through, in the shortest possible period of time, this greatest and most important work of internal improvement ever attempted.

Petroleum in Nevada.—The Humboldt *Register* thinks that that section of Nevada is destined to become one of the greatest petroleum producing regions in the world. There is a large region of country that seems to be completely saturated with petroleum; the liquid streams spontaneously flow through the surface, and rises wherever a hole is dug, and coal gas rises everywhere. There are also a large number of springs, from which the natural crude oil flows in abundance, and one discharges more than a barrel a day.

Reducing Wages.—There has been some excitement at Howland Flat, Sierra county, lately, on account of a reduction of the wages of hands at work in the mining claims, from three dollars and a half to three dollars per day.

All the Boston dailies have raised their prices. It is said that there is but one penny daily now published in the country, the Philadelphia *Ledger*.

HOME FINANCES.

We have to note another dull week in financial and mercantile circles. At this season of the year business is always light and the wants of the trade restricted, but just now the inactivity prevailing is peculiarly marked, owing mainly to the condition of the roads throughout the interior. Intercourse with Sacramento, Stockton and Marysville, from some portions of the country has been seriously interrupted for more than a week past, and to many localities it has been found difficult to transport merchandise. Remittances of treasure hence have also been retarded and the regular annual settlements usually made at about this time will doubtless not be forthcoming with as much promptitude as in former years. As we have frequently remarked, however, credit during the summer and fall has been more restricted than usual and the indebtedness of the country dealer cannot be of sufficient magnitude to create any embarrassment to merchants here even in the event of an entire absence of aid in this direction for sixty days hence.

Receipts of Treasure from the country since Saturday last will amount to $1,500,000, including about $700,000 from Portland and Victoria. Bullion is likely to be plentiful for Monday's steamer, and gold bars are now offered at 830@840. Silver is ranging as formerly at ½ ₱ cent. premium to 2 ₱ cent. discount. The market for bills and telegraphic transfers on the East, has not yet been defined; but rates will not probably vary materially from those ruling on last steamer day.

Legal Tender Notes have been active and steady this week, at about 48@48½c. Gold was quoted in New York on the 6th instant at 231.

EASTERN FINANCES.

We are in possession of Eastern advices, per mail, to the 14th of November. The political crisis having passed over peacefully, there were evidences of a general improvement in financial and business circles, and the merchandise markets had been exceedingly buoyant. The rapid fluctuations in gold, however, prevented any special activity, and the volume of business transacted was somewhat restricted. It was thought that after the result of the Presidential contest had been fully digested, and the mercantile classes had made up their minds as to what must be the commercial effects growing out of it, the current of gold would be more steady, the markets more settled, and dealers and consumers of merchandize would supply themselves with more freedom with whatever their circumstances might require.

The money market at the close of the second week in November was more stringent, owing, in part, to the drafts of the Treasury Department on the National Banks throughout the North, and the consequent extreme caution of private capitalists, who were calling in their loans and husbanding their resources. But, notwithstanding this, we may remark, in general terms, that a better feeling was apparent, with an upward tendency, in all staple articles. The current quotations for money at New York were as follows:

	Per cent. per annum.
Loans on call, Stock securities	7 @ —
Do bond and mortgage	7 @ —
Prime endorsed bills, 60@90 days	7½@ 9
Do do 4@6 months	8 @ 9
First-class single signatures	9 @ 10
Other good bills	10 @ 12

Government securities had been sold freely, and the market was ruling firmer for all descriptions. The 5-20's seemed to be the favorite bond, and had been largely dealt in. The closing rates of the various securities were as follows:

U. S. 5-20 Sixes, Registered	100¾@ 101
U. S. 5-20 Sixes, Coupons	101¾@ 101¾
U. S. 6's of 1881, Coupons	107¾@ 108
U. S. 6's of 1881, Registered	107½@ 108
U. S. 5's of 1865 (Loan payable in gold)	200 @ —
U. S. 5's of 1871 and 1874	100 @ 163
U. S. Debt Certificates 12 mo., Int. in currency	95½@ 95¾
Seven-Thirty Treasury Note Bonds (old)	108 @ 108½
U. S. 5-₱ cent. Legal Tenders	102 @ —
American Gold	244 @ —
Silver	233 @ 236

CALIFOINIA RAISINS.—A parcel of California Bunch Raisins, put up by M. R. Miller of Pleasant Valley, has been recently placed in the market, in this city. They are selling at the rate of $4 per box, or $2 for a half box, weighing 12½ lbs.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME AND LOCATION.	AM'T OF ASSESSMENT.	DAY ADV'G DELINQ'T LIST.	DAY OF SALE.
Animas, San Dimas, $1			Jan 7—Jan 21*
Ashland, Arizona, 50c			Dec 17—Jan 3*
Antelope, Esmeralda, $25			Dec 6—Dec 26
Arroyo de los Catos, 10c			Dec 10—Jan 10
Arlatic, Flowery, $1			Dec 10—Dec 26
Arbitrios, Chihuahua, $2			Dec 10—Dec 24
Alemania, San Antonio, $1			Dec 9—Dec 19
Ashland, Virginia, $1			Dec 26—Jan 6
Argentoro, R. R. 50c			Jan 7—Jan 21
Adriatic			Annual Meeting Jan 9
Blue Ledge			Removal*
Bay State, Turnback, 25c			Dec 10—Dec 27*
Bella Vista, Cacachillas, 65c			Dec 17—Dec 31*
Bella Vista			Annual Meeting Dec 1
Bajazett & Golden Era Cons., $5			Sale Nov 26 Virginia
Baltic, Virginia, $10			Sale Dec 17 Virginia
Boston Copper, El Dorado co., 50c			Jan 6—Jan 24
Burlington, Napa, 50c			Dec 12—Dec 25
Big Blue Lead, Cove, $2			Dec 5—Dec 17
Bee, R. R., $2			Dec 13—Dec 26
Black Rock Ledge, R. R., $3			Dec 26—Jan 10
Burnside			Annual Meeting Dec 13
Colorado, Arizona			Annual Meeting Dec 26*
Crown Point Ravine, C. H., $2			Dec 24—Jan 7*
Capitola, Santa Clara, 25c			Jan 3—Jan 18
California, Virginia, $12.50			Dec 7—Dec 22
Coral, Amador Dis., 50c			Dec 6—Dec 17
Consolacion, Sinaloa, $1			Dec 10—Dec 23
Columbia, Tuolumne, $2			Dec 10—Dec 28
Chandler, Lyon co., 50c			Nov 25—Dec 28*
Calcdonia T. & M			Special Meeting Dec 19
Cosmopolitan, Copher, 50c			Dec 26—Jan 17
Coral Vieio, Mexico			Annual Meeting Dec 15
Crown Lead, Mariposa, $1			Dec 19—Dec 31
Cinco Senores, Mexico, $2			Dec 21—Jan 9
Cordillera, Chihuahua, $1			Dec 14—Dec 24
Cortez, Lander co., $1			Dec 30—Jan 18
Cole, Virginia, $1			Dec 24—Jan 9
Cole			Annual Meeting Dec 14
Charles Cany			Annual Meeting Dec 14
Caldwell, Cove, $2			Dec 28—Jan 12
California Cop. Smelting, Contra Costa, 50c			Jan 11—Jan 21
Daniel Webster, Sacramento, 15c			Jan 7—Jan 21*
Del Norte Comstock, 45c			Dec 5—Dec 17
Dios Padre, Sonora, $3			Nov 12—Dec 12
Dancy, Lyon co., $2			Dec 8—Dec 27
Durant, Nyo Co., $1.60			Dec 27—Jan 14
Durant			Annual Meeting Dec 10
Dacota			Annual Meeting Dec 12
Dancy			Annual Meeting Dec 13
De Soto			Annual Meeting Jan 2
Empress, Gold Hill, $1			Dec 30—Jan 20*
El Toro, Sinaloa, $2			Dec 17—Dec 31*
Emilia, Mexico., 75c			Dec 3—Dec 21
El Tesoro, Lower Cal., $4			Nov 15—Dec 10
El Tasto, Mexico, $2.50			Dec 18—Dec 30
El Dorado, Virginia, $2			Dec 5—Dec 21
Eureka Coal, Alameda, 20c			Nov 17—Dec 12
Empire T. & M., Humboldt, $2			Nov 29—Dec 17
Ethan Allen, R. R., $1			Dec 5—Dec 19
Empire M. & M			Annual Meeting Dec 21
El Partento, Guerrero, $1.20			Jan 3—Jan 13
Fortune, Mineral Spring, 50c			Jan 7—Jan 21*
Franco Americana			Annual Meeting Dec 13
Good Hope, Alpine, 25c			Dec 3—Dec 17*
Gobernadora, Lower Cal., $1			Dec 5—Dec 17*
Green, Gold Hill, $1			Dec 16—Dec 31
Gold Rock, Calaveras co			Annual Meeting Jan 6
Gold Hill Tunneling, $1			Dec 31—Jan 17
Golden Ark, Mariposa, 10c			Dec 3—Dec 17
Great Western T. & M			Special Meeting Dec 10
Gould & Curry			Annual Meeting Dec 19
Gold Rock, Calaveras, 50c			Jan 9—Jan 24
Hale & Norcross, Virginia, $25			Dec 10—Dec 28
Hanscom, Del Norte			Annual Meeting Dec 21
Humboldt Canal, Humboldt co., $3			Jan 3—Jan 21
Harmon, El Dorado co., $1			Jan 9—Jan 21
I X L, Alpine co., $3			Dec 2—Dec 16
Jewett, O. H., $1			Nov 26—Dec 13
Josephine, Coso, $1			Dec 21—Jan 5
Jewel, D G., $1.50			Dec 27—Jan 9
Keokuk, Clayton, 10c			Jan 7—Jan 23*
Kentucky Copper, Madame Felix, 50c			Nov 26—Dec 10
Kern River, Coyc, $1			Dec 28—Jan 12
Lancaster, Como, 50c			Nov 26—Dec 14*
La Candelaria, San Dimas, $5			Dec 10—Dec 21*
Las Churcas, $50			Nov 17—Nov 28
La Fernandez, Hermosillo, Mexico, $7			Dec 5—Dec 20
Lady Bryan, Flowery, $5			Dec 6—Dec 20
La Blanca, Ures, $2.50			Dec 7—Dec 19
Lady Bell, Low Divide, 10c			Dec 19—Dec 30
La Palma, San Antonio, 50c			Dec 12—Dec 23
Lotus, Copher, 26c			Dec 23—Jan 7
Mechanics, Clayton, 5c			Jan 7—Jan 23*
McElroy, Lyon co., 50c			Nov 25—Dec 28*
Manzanilla, Sinaloa			Annual Meeting Dec 14*
Mammoth, Rock Spring, 50c			Dec 24—Jan 9*
Monster Cons., 60c			Dec 24—Jan 6
Melones and Stanislaus, Calaveras co., $2.50			Nov 28—Dec 12
Musidora, San Antonio, 50c			Dec 3—Dec 17
New Era, Cop., Tuolumne co., 25c			Dec 24—Jan 7*
Nuestra Senora de Guadaloupe, Jalisco, $5			Dec 7—Dec 22
Nuestra Senora de Gandaloupe			Annual Meeting Dec 19
Nuestra Senora de Guadaloupe, Durango, 60c			Dec 7—Dec 23
Nonpariel, Tuolumne, $5			Dec 24—Jan 9
North Potosi, Virginia, $12.50			Nov 22—Dec 10
North Star, R. R., $1			Dec 12—Dec 23
Nevada, J. G., $10			Sale Dec 30 Virginia
New Year's Diggings, Tuolumne co			Special Meeting Dec 28
Nacosari, Sonora			Annual Meeting Jan 3
Oxford Beta, Esmeralda, 50c			Dec 10—Dec 28*
Ontario, R. R., 25c			Nov 19—Dec 17*
Overman, $50			Levied Nov 19 Gold Hill
Ophir			Annual Meeting Dec 21
Pena Silver, Lower California, $3			Aug 20—Jan 31*
Patrocinia & Dolores			Special Meeting Dec 12
Pioneer M. & M., R. R., $3			Dec 26—Jan 10
Point Arena Petroleum, 50c			Dec 26—Jan 7
Pumbago			Annual Meeting Dec 21
Roger's, Flowery, $2			Jan 5—Jan 23
Raba, R. R., $1			Dec 24—Jan 9*
Real del Monte, Esmeralda			Sale Dec 26
Rancheria, San Antonio, 50c			Nov 25—Dec 16
Richland			Annual Meeting Dec 19
Refugio, Chihuahua, $2.50			Dec 5—Dec 17
Rogers			Annual Meeting Dec 12
Rancheria			Annual Meeting Dec 19
Roxby, C. H., 50c			Jan 6—Jan 19
Roxby			Annual Meeting Dec 12
Real del Minas, Lander co., $1			Jan 6—Jan 18
St. Clair Cons., R. R., $1			Dec 17—Dec 31*
Silver Prize, Silver Mountain, 15c			Dec 17—Dec 31*
Santa Cruz, Petroleum, 12½c			Dec 3—Dec 17*
Sisters & Augusta, Lander co., 15c			Nov 19—Dec 15*
Smoky Valley, Lander co., $1.50			Dec 24—Jan 7
Silver Circle, R. R., $2			Dec 22—Jan 7
San Lorenzo, Santa Cruz, 50c			Dec 17—Jan 2
Sierra Valley, Plumas co., $1			Dec 14—Dec 24
Stephen A. Douglas, R. R., $1.50			Dec 8—Dec 23
Southern Light, R. R., 50c			Jan 2—Jan 15
Sweet Vengeance			Quarterly Meeting Dec 19
Star of Empire, Mariposa, 10c			Dec 2—Dec 10
Sheba, $15			Dec 29—Jan 14
Sierra Silver			Annual Meeting Dec 12
San Nicolas, Durango, $2			Dec 27—Jan 10
Shoshone, Lander co., 50c			Dec 28—Jan 12
Sonoma Ledge, R. R., $1			Jan 4—Jan 19
San Francisco, Moss Ledge, $1			Dec 17—Dec 29
Smith & Martin, R. R., $5			Jan 9—Jan 19
Tallulah, Sierra, $2.50			Dec 10—Dec 24*
Table Mountain Copper, Calaveras co., $1.25			Dec 3—Dec 22
Tuscarar, R. R., 50c			Dec 17—Jan 5
Tresoro & James River Cons., R. R., $4.50			Dec 3—Dec 19
Trinadad & San Jose, Sinoloa, $10			Dec 26—Jan 15
Techattacup, Arizona, 12c			Jan 3—Jan 23
Toledana, Mariposa, 25c			Dec 15—Dec 26
United States, Virginia, $1			Dec 24—Jan 7*
United States			Annual Meeting Dec 26*
Utah, $12.50			Dec 11—Dec 29
Uncle Sam, $100			Levied Dec 3
Uncle Sam			Annual Meeting Dec 19
Wilson, Carden Bar, 50c			Dec 3—Dec 17*
Whitlatch, R. R., $5			Dec 16—Dec 28
Wide West, Esmeralda, $5			Dec 23—Jan 9
Weaver, Sonora, Mexico, $1.50			Jan 8—Jan 19
Yankee Blade, R. R., $5			Nov 25—Dec 13

*Those marked with an asterisk (*) are advertised in this journal.

ASSESSMENT AND SALE LIST

OF CLAIMS IN

VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	Date of Levy.	Am't per foot
Almanza	Nov 29	25
Colossus	Nov 25	1 00
Crystal Peak W, D, M, L and M Co.	Nov 13	5 00
El Dorado	Nov 8	2 00
Empress	Nov 29	1 00
Fairview	Nov 10	5 00
George Law	Nov 27	25
Hawkeye Original	Dec 2	2 50
Hull	Nov 5	1 00
Mount Blanc	Nov 22	1 00
New Oregon	Nov 22	2 50
Rock Island	Nov 20	1 00
Santa Rita	Dec 3	1 00
Wandering	Nov 15	50

Delinquent Sales.

Name of Company.	Date of Sale.	Place of Sale
American Basin	Dec 10	Virginia
Belvidere	Dec 24	Virginia
Colorado	Dec 12	Gold Hill
Crœsus	Dec 14	Virginia
Cero Pasco	Dec 15	Virginia
Daniel Low Coal Co	Dec 10	Virginia
Daniel Webster	Dec 10	Virginia
Granada	Nov 26	Virginia
German	Dec 10	Virginia
Kentucky	Dec 10	Gold Hill
La Plata Oro	Dec 17	Virginia
Mount Blanc	Dec 17	Virginia
Mary Ann	Dec 28	Gold Hill
New Orleans	Dec 10	Virginia
Rappahannock	Dec 14	Dayton
Santa Fe	Dec 10	Virginia
Utah	Dec 12	Virginia

SIERRA COUNTY.—We learn from Mr. M. A. Singleton, one of the proprietors, that the Hope company, located on the Plumbago ledge, half a mile east of Minnesota, after working two years, and running a tunnel 260 feet long, all the way through blasting rock, have recently struck their ledge at a depth of 130 feet from the surface. The ledge averages two feet in width and looks exceedingly promising. The company will immediately proceed to thoroughly develop their claim. They will probably build a mill next season.

THE ant is said by naturalists to produce 86,400 eggs day, which continuing for a lunar month, gives the astonishing sum of 2,419,200. This being about one egg in two seconds, very little time is consumed in cackling.

Mining Summary.

CALIFORNIA.

NEVADA COUNTY.—It is said that there is now more business in the town of Grass Valley, more mining going on, more men at work, more money in circulation, than at any time since the opening up of its immense gold hills.

The *Union* says that the Houston Hill claim is proving exceedingly rich. Since July last it has yielded its owners, Messrs. Trenberth, Smith, Northey & Co., the very handsome sum of $50,000.

The Empire Company, on Ophir Hill, recently struck their ledge at a depth of 500 feet from the surface, and took out the first pay rock, which looks exceedingly rich. The company have a splendid mill on the ground, and the rock is taken to the battery for crushing as it comes up.

Two men, while recently out on a shooting expedition up the creek, a short distance from town, accidentally discovered a very rich ledge, about six inches in width, from which Dr. Easley, one of the discoverers, procured some very rich specimens, worth about $75. The fortunate owners have put men to work sinking a shaft, and we may expect to hear of something very rich from Chapparal Hill, the name of the locality the ledge is located in.

In Nevada, much complaint is made on account of the lack of mills, which is a serious drawback to both the working of old ledges and the development of new ones. The old Gold Tunnel lead, one of the earliest quartz locations in the State, and formerly very rich, but which has latterly not paid anything, has recently passed into the hands of Capt. Kidd, who has again struck it rich.

The old Whigham claim, on Mud Flat, near Nevada, is again coming into notice and value. For some time past it has been in possession of Wicks & Co., who worked it under a lease from its owners, a wealthy firm at San Francisco. This lease is just about expired; when it does, the proprietors will work it themselves. For this purpose they intend erecting a new mill and other machinery, and will sink the incline and shaft considerably deeper.

The *Transcript* learns that the claims of John Hickey, at Moore's Flat, are paying from $3,000 to $8,000 at every week's clean up. This claim is one of the best in Nevada county, and has been paying big dividends for several years, and the prospect is it will take a good many years to work it out.

SAN JOAQUIN COUNTY.—The sloop Angel Dolly sailed from Stockton, on the 3d instant, with 300 sacks of Keystone copper ore. By the sloop Banner, 648 sacks of ore from the same mine were shipped at the same place. The steamer Helen Hensley brought down 609 sacks of copper ore on the 2d instant.

TUOLUMNE.—A nugget of gold, about as large as a man's fist, was recently found at Santiago, about a mile east of Columbia, by a Mexican. He was hunting over a pile of "headings," thrown out of some miner's tom several years ago, and "struck it big." The piece was sold for $486.

Men working the Daley claim, in Columbia, washed up lately, and obtained $753 worth of gold. This was the yield of 110 carloads of dirt, or five days' run.

EL DORADO.—The Placerville *News* of the 27th ult., says:—"We were recently shown some very rich blue cement from the Deep Channel, Hoyt, Brewster & Co.'s claim, Smith Flat. The pieces were literally studded with coarse gold. Brewster says there is plenty more of the same sort. Wherever this blue lead has been struck it has paid well, and particularly about Smith's Flat.

PLACER.—The Folsom *Telegraph* says the mines in that vicinity are doing better than for years past. On Anderson's Flat, old claims are being again worked, and numerous new ones are being opened, and promise to pay well. There is any quantity of mining ground that requires nothing but the exercise of a little elbow grease to turn out the golden ore. The old excuse of numbers of men—the want of water—is played out; for the Natoma Ditch Company water can be had at any point, and in any quantity required. Large quantities of gold dust are purchased weekly by the dealers in that article, in Folsom.

SHASTA.—The Excelsior Company, at Whiskytown, says the *Courier*, are vigorously pushing their tunnel, and with good success and flattering prospects. Eighty feet more will bring them under their shaft, and, consequently, they are liable to strike their lode any day.

The *Courier* further adds that Mr. Henry Jones is having a large quantity of rock hauled from Lower Springs to the Spring creek mill, to be crushed. High hopes of the richness of this rock are entertained by the owners of the lode, and we hope their most sanguine expectations may be realized.

In close proximity to the Spring creek mill another gold bearing lode has recently been discovered. The discoverers are quite san-

guine of its being a good thing. The mill company are getting some very fine prospects much better than they had anticipated.

Amador.—The Oriental Copper Mining Company advertise to let a contract to sink their shaft fifty feet deeper. It is now one hundred and fifty feet deep.

It is stated in the *Ledger* that the Butte Ditch Company contemplate purchasing the Jackson water works. If they succeed in getting hold of that property they will at once erect a suitable reservoir on the hill somewhere in Shober's field, and supply it from their ditch.

Mariposa.—There are in Mariposa county ten steam quartz mills, which are worth $300,000. They have 220 stamps, and crush, an average of 250 tons of rock per day, the average yield of which is $15 per ton. From these statistics, gathered from the County Assessor's report, it appears that the Mariposa quartz mills produce daily $3,800 worth of gold—or about $1,250,000 per annum.

WASHOE.

The recent storm appears to have been very severe in Washoe as well as throughout California. Several of the large companies, with ore houses full of rock have been compelled to suspend operations for the present, in consequence of the inability of moving the same over the roads to the various mills. A still larger number of small companies are in the same fix.

The gold which is taken out of the newly discovered gold placer at Dayton is said to be very fine, so fine, in fact, that it is found exceedingly difficult to save it.

The late strike in the Caledonia Tunnel is said to be a very promising one. The ledge is said to be ten feet in thickness and very rich. A selected sample assayed $2,956 in silver, and $929 in gold.

Como is said to be decidedly looking up. The favorable opinion expressed by Professor Silliman and the working of the Whitman rock at the Sacramento mill, has had a tendency to attract the attention of experienced mill men to the mines in that district, (Palmyra). It is stated that a party of practical operators are trying to make arrangements with the mill company to run the Como mill for a lengthy period. Should they succeed, it will doubtless do much towards establishing the permanency of the mines there.

The New York mill Company, which owns two mills in Washoe Valley—the Manhattan and Washoe—are still driving ahead. The former, located in Allen Cañon, is now crushing forty tons per day, and its capacity will soon be increased to eighty. The latter, located in the town of Washoe, is now in complete working order, and is only waiting for the injunction to be raised from the mine from which it is to receive their ore for crushing. This is the same company which is putting up such extensive works at Reese River, and which we have noticed from time to time. We trust that the enterprise and energy of this company will be fully rewarded.

The Belcher mining company, at a recent meeting of stockholders made choice of Mr. F. A. Tritle for President; M. Buckman, Secretary; and Mr. John Lambert, Superintendent. These gentlemen are spoken of as a most excellent selection for officers, and the opinion is expressed that the choice will insure a continuance of the successful management which has heretofore characterized the operations of the Belcher Company. The company is now taking out about fifty tons of good ore per day, and expect soon to be able to greatly increase the amount. The mine has just been cleared of the great influx of water which, some two months since flooded the works to the depth of eighty feet. The last dividend of the company was declared in August; if no more trouble with water occurs, another dividend will be declared about New Year's, after which the company expect to declare regular monthly dividends. There would most probably have been no intermission in dividends had it not been for the occurrence of such accidents as it was impossible to foresee or guard against.

REESE RIVER.

Several new and important discoveries have been reported in the columns of the *Reveille* since our last, and among them that of a mine containing a large amount of arsenic, whether in the form of an arseniuret of silver or of iron we are not informed. The *Reveille* says the vein is located about ten miles north of Austin in the Toiyaba range. The lead is about three feet wide and will pay, at the surface, $250 to the ton. The ore is very heavy, and somewhat resembles tin ore. An experienced miner, however, would at once see the difference, although he would be puzzled to tell what it was. By slightly heating it, it can be told by its disagreeable odor. If mined at present it would be necessary to ship the ore, as there are no means that we are aware of to beneficinte it in this country.

The "New Star" is the name of a claim just located on Lauder Hill by Broadhead and Benedict. Some of the surface rock assayed $294 74 per ton. It is a well defined ledge and promises to pay largely. It is the intention of the owners to have the work prosecuted with vigor and the claim fully developed by spring.

The Butte mill, which has been idle for some time in consequence of some disagreement among the proprietors, will soon be started up again, under the management of Mr. Richard T. Hill. The mill will be fitted up with all the latest improvements and will add greatly to the development of the mines in San Francisco Cañon, where it is located.

The Oregon mill and mine has been placed in complete order for a winter run. The company is now taking out rich paying rock from both claims—enough to keep the mill employed without intermission, while the miners are sinking the main incline to a still greater depth to find out what is yet hidden below.

The Washington ledge, is located at the highest elevation of any mine around Austin, and a short distance to the east of the Oregon. Work is being prosecuted with vigor under the direction of Frederick A. Miller, Superintendent. They have the main incline down one hundred and forty feet, besides many drifts. The ledge is two feet wide, from which they are obtaining large quantities of excellent paying ore, and are now having some of it worked at the Pioneer Mill. Preparations have been made to keep up the work continuously through the winter.

A discovery was made on the 22d ult., by Messrs. Keon & Thompson, on Austin Hill, which bids fair to rank among the best of that rich locality. The workmen have sunk to the depth of about seven feet, at which point the vein is eighteen inches solid quartz, and clear of all extraneous matter. The owners intend having it developed at once.

New Discovery.—Messrs. Jones & Arnold are the fortunate discoverers of a rich lode to which they have given their own names. The locality is about one fourth of a mile south of the Whitlach, and the ore is very similar and fully as rich as that of that celebrated vein. Mr. Arnold is one of the discoverers of Eureka District, and is a very energetic and lucky prospector.

The Diana, at a depth of 117 feet, have struck very rich ore, and are taking out first-class rock in large quantities. It is said that the rock will yield $1,000 to the ton.

New Battery.—The frame work of the new ten stamp battery now building at the California mill, is completed and five stamps put in operation. The others will be put in as soon as the battery box, which is now on the way, arrives. All the machinery about this mill has been thoroughly renovated and repaired. The mill will soon be prepared to do double the amount of work it ever did before.

Completed.—The new roasting furnace for Johnson & Co.'s horse quartz mill, near the Third Ward district school house, has been completed. The drying kiln and chimney will be erected immediately.

The Midas Mill.—The Masonry and carpenter's work on this mill, so far as the outer walls are concerned, is completed and the building is inclosed. The masons are now at work setting the boilers, two in number, and building the roasting furnaces. Extraordinary pains is being taken with the furnaces and they will undoubtedly be equal to any ever erected in any country. The chimney is sixty feet high and will be carried still higher. The work is now being done as rapidly as possible, as the owners desire to have it in working order as soon as possible. This will be the largest, most substantial and complete mill in every respect in the county, and for convenience and durability is not excelled by any in the State.

Important Sale.—Mr. Eugene I. Fuller, through his agent in New York, has sold the claims known as Stony point and Live Yankee for the snug sum of $25,000. These claims are located near the Midas mill in Telegraph Cañon, and bear the reputation of being first-class lodes.

HUMBOLDT.

We clip and condense the following from the Humboldt *Register*:—

The Sheba Strike.—We were led into making a mis-statement, last week, concerning this mine. A gentleman from Star, whom we now know was himself deceived gave us the information which we announced—the striking of a heavy ledge of the finest ore. The men are still at work in the old lode, taking out a great deal of excellent ore; but there has been an new vein struck. The mine is looking excellently well; but nothing new in it.

Prospect.—This is the name of a new discovery in Trinity District. We understand that Webber, of the Evening Star mill, offers to bet any amount that no ore as pure can be taken in as large quantities from any mine in the State as can be got from the Prospect.

One from the Gem is now on the way to Full's mill for working.

The Atlas Company has the Inskip ledge again solid, and about a foot width. Looks favorable for a permanent ledge.

A One-horse Mill.—Melarky has one, in Dun Glen. The first one in this county. The stamps are made of the axle-trees of a Government wagon. The mill has run a few trips, but Melarky has not made anything; for he promised to let us know as soon as he did.

The Silver Wedge.—No work is doing on this ledge, but the locators claim to have taken out such ore as give assurance of its future richness, and say that work will be resumed early in the Spring.

Whitmore.—This mine is next south adjoining the De Soto on the Sheba belt, Star District. It has always shown as favorably for mineral as any portion of the Sheba belt, but owing to the absence of Col. O'Connor, one of the largest owners in the mine, the company has withheld operations until it could be seen whether he was willing or not to join with it in working the mine. The Colonel visited the Star, and being well pleased with the conduct of the company so far, and satisfied that they are working for the true interests of all the owners therein, has joined the incorporation, and the work will now go ahead. The Colonel controls perhaps as much capital as any man in the State, and our Star friends have reason to congratulate themselves that he is turning his attention to Humboldt. A contract to run the tunnel in the Whitmore claim was taken by Leyson & Co. Work will commence at once.

The De Soto Company shipped on the 24th ult. 360 lbs. bullion—the result from 40 tuns ore. The Sheba mill is still crushing De Soto ore.

Owing to the reduction of wages at the Sheba, most of the employes quit. Work will be resumed, however, in a few days.

ESMERALDA.

The *Union* states that there is a probability that another large sale of mining ground in Bodie has been effected in New York. That paper has been informed that John S. Maybugh and other gentlemen, owners of mining claims in Bodie district, recently received a dispatch from New York, asking the terms upon which they would sell their interests. The dispatch was answered immediately, and probably ere this a sale has been made.

Golden Age and Empire.—Notwithstanding the low figure at which the stock of this company is now selling, the Esmeralda *Union* says the mine never before looked so promising. The mine is now in good working order, and will prove more remunerative to the owners than many of them suppose. The last crushing was unsatisfactory, owing, we believe, to a defect in the machinery of the mill. Most of the gold seems to have been lost. Work will soon be resumed in the lower shaft, at the bottom of which the rock looks very promising. A large number of specimens have recently been taken from the lead.

New Mining District.—A new and promising mining district has lately been discovered about sixty miles east of Aurora. A party has gone thither with a view to making their fortunes there.

Montgomery.—The miners at Montgomery are still making important discoveries. New leads are being found almost daily, and the miners are becoming more sanguine of success as the character of the mines becomes better known. Notwithstanding the lateness of the season and the severity of the weather, the population of the district is rapidly increasing. Work is progressing upon Muncton's Smelting Furnace, and the proprietors seem to have confidence in its success. Most of the ore is different from that of other districts and may require different treatment. Fears are entertained that unless the furnace is skillfully managed, it will be a failure. Many of the miners are about to procure hand quartz mills, being confident that with these they will be enabled to replenish their almost exhausted purses. In a few months these mills will be numerous at Montgomery.

Important discoveries have recently been made by the Antelope Mining Company, in its eastern shaft, at a depth of 245 feet. It promises better than any rock we have seen in the camp, and we trust it will continue to widen, deepen and grow richer. The Antelope deserves success.

Hanscom's Patent Quartz Crusher.—This machine is now at work for the Spring Valley Water Works, crushing rock for making concrete for the company's new reservoir at Lake Honda. Sixteen thousand tons of rock will be required for this work. Only one of these machines is in operation at the present time, which crushes 160 tons per day. Additional shafting is being put up for starting another, when the amount of work will be doubled. Mr. Hanscom is also getting up his crusher in miniature size, just right for hand-work. He has now a machine at the Golden State Foundry, which will not weigh over 150 pounds, with which a man may crush from 250 to 300 pounds of rock per day. Such a machine, we should think, would be far preferable to the "hand mills," now so extensively used at Reese River, and which are also being successfully introduced into other places.

Heavy Casting.—A pillow block, weighing six tons, for an oscillating engine, for the new steamer Del Norte, which is being built for Ben. Holladay's line, was cast at the Pacific Foundry yesterday afternoon. This foundry is building a 10-stamp quartz mill for the South Boise, New York and Idaho Mining Company. The mill was ordered by telegraph, and is now nearly completed, and will be ready for shipment in a few days. The Bryan iron battery and Varney's pan will be furnished. Quite a number of quartz mills have already been shipped to the Northern mines, and it is expected that the demand next Spring will be greatly increased.

An Important Decision.—We have devoted a large space in our columns to-day to the decision in the great pan controversy between Wheeler and Varney. Aside from the interest and importance which it may have to the parties in direct controversy, it also contains much of value to inventors generally, in relation to the working of the patent law. A correspondent, in another column, makes special allusion to one point brought up in the decision, and a perusal of the document will develop several others of interest and importance to all persons holding patents, or who may contemplate application for the same. We would recommend its careful perusal by every reader of the Press.

To Correspondents.—We have received a well written and critical description of the "Rivot Process," by one correspondent, and some general remarks on the "Ryerson and Rivot Processes" by another, both of which will appear next week; also a communication from "T. McA.," exposing the inaccuracies of a "Rule for making Cone Pulleys," as published in a late number of the *Scientific American*, which will appear in our next issue.

To Mining Secretaries.

We positively refuse hereafter to receive advertisements of any mining company for the payment of which the Secretary is unwilling to vouch. We shall also exercise the right to eject from our columns, at any time during the course of publication, any advertisement for which payment is not made, or security given upon proper notification.

DEWEY & CO.,
Publishers Mining and Scientific Press.

Mining and Scientific Press.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

DISCOVERY OF A REMARKABLE CAVE IN THE VICINITY OF FORT RUBY.—We extract the following from the Reese River *Reveille* of November 27th :—

From Lieutenant Tolls, who is now in this city, we learn that a remarkable cave has just been discovered in the mountains ten miles north of Fort Ruby. He had heard, about two months since, that there was a large quantity of water issuing from the mountains in that vicinity, and determined, if possible, to learn from whence it came. In company with several brother officers from the Fort, he started out on a tour of inspection. On the side of the mountain they discovered a hole two feet wide and three and a half high, from which a sufficient quantity of water came to run a good-sized overshot wheel. Near by, and a short distance higher up, were two other holes. They procured a skiff, and by turning on its edge managed to get it into one of the upper holes and work it down into the channel of water below. They then got in the boat, and commenced exploring this strange lake and cave. The water was twenty feet in width and six in depth where they started in, with high walls of limestone on either side; but as the party proceeded on their singular journey it increased in size and grandeur, and having an ample supply of candles, which were lighted, it presented a magnificent sight. The water increased to a depth of twenty feet and to one hundred in width, and was as clear as crystal. The bottom could be easily discerned with the light of a single candle. Numerous sand bars were seen in different places, the sand being fine and dark. The ceiling, or arch, is nearly fifty feet high, except in one place, where it comes down so near the water that they had to stoop in order to get past it in the boat. They went in about half a mile, and found no indications of coming to a stopping-place. They could find no bottom at that point. It is the intention of the Lieutenant to explore it further on his return. The atmosphere in the cave was mild and pleasant, and a candle burns brilliantly. This may eventually prove to be as celebrated as the Mammoth Cave in Kentucky, and have its hundreds and thousands of admiring and curious visitors.

PROFITS OF THE SHEBA MINE.—The impression seems to have become pretty general that the late heavy assessment of the Sheba Mining Company has been laid without any proper cause—in short, that it is a little game of "freeze-out." The following paragraph, which we clip from the Reese River *Reveille*, would seem to give color to this idea. The *Reveille* says: "The cost of extracting and reducing the ores of the Sheba amounts to $60 per ton. This includes every expense, general and incidental. The ore worked at the company's mill pays, on an average, $160 per ton, or a profit of $100 per ton. The mill has ten stamps and four roasting furnaces, and reduces seven tons in twenty-four hours. The roasted ore is amalgamated in three of Wheeler's pans, where the reduction of the chlorides is effected by iron agitators, with blue vitriol, etc. The ores are divided into three classes, the first paying from $200 to $5,000; the third class less than $100. The principal ore of the Sheba is a sulphuret, technically called Tetrahedrite. It is, says Professor Silliman, in his report, more properly a copper ore, with both antimony and arsenic. There are a number of other varieties of ore found. The common understanding that the Sheba ores are of a very 'rebellious' nature, is erroneous; that when properly treated they are easily reduced. The Sheba, in two months, is expected to be out of debt, and will pay a dividend in a short time."

A HEAVY BUSINESS.—Gillig, Mott & Co., hardware dealers, at Virginia city, have paid out $120,000 for freight alone, the past season.

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MR. T. C. SANBORN having resumed business at the Stock Exchange, will, from this date, attend to orders for the purchase or sale of Mining Shares and other Securities.

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San Francisco, October 22, 1864. 18v9-tf

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San Francisco, October 1st, 1864.

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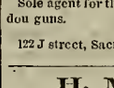

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REFERENCES:—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

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14-3m

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San Francisco, May 10th, 1864. 20

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15-q **C. L. ROSS, Proprietor.**

PETITION FOR SALE OF THE MINES TO THE ACTUAL OCCUPANTS.—At a meeting of the miners of Colorado Territory, held at Central City, on the 8th of November, the following preamble and resolutions were adopted :—

WHEREAS, Various propositions have recently been presented to Congress, foreshadowing a change in the policy of the Government in regard to our mines, looking to the realization of immediate revenue rather than their rapid discovery and permanent and successful development ; and

WHEREAS, There is a great danger that such legislation may tend to cripple rather than encourage mining interests, therefore

Resolved, By this meeting of miners and other citizens of Colorado Territory :—

1st. That we respectfully protest against the application of any system of tenantry to the operation of our mines.

2d. That we respectfully ask Congress to pass a law, giving in fee simple, under proper regulations, at least one thousand lineal feet of each lode to such person or persons who shall hereafter discover and develop the same.

3d. That we ask that the miners' titles to the mines already discovered, as at present held by them, be confirmed by Congress.

4th. That we ask for the establishment of a Mining Bureau in the Interior Department of the Government, and that Geological Surveys of mineral regions may be provided for.

NEW AMALGAMATOR.—The Black Hawk (Colorado) *Journal* describes a new amalgamating pan patented by a Mr. Keayon of that place. It is claimed to be an improvement on the Freiberg pan. It is described as having a main arm resting on the head of a spindle, and driven by gearing beneath the pan. The arm reaches across the center, and extends on each side half way from the center to the circumference. At each end is an upright shaft, to which is attached a cluster of mullers, eight in each cluster. They are shaped like a flat iron, thirteen inches wide at the heel, and are made of French burr. To the top of the cone is attached a stationary cog-wheel, into which meshes pinions attached to the upright shaft, thus giving the mullers a constant rotary motion, besides its motion around the pan. The advantages gained are, a perfectly even wear all over the pan bottom, and the prevention of the centrifugal motion of the water which drives the ores before the mullers. The capacity of the Freiberg pan is one ton every twenty-four hours, while this pan will thoroughly digest four tons in the same time.

A NEW MINING INVENTION.—An ingenious Pennsylvanian has invented a machine for coal mining which weighs 200 pounds, costs $300, and which, it is claimed, will do the work of twenty men. The machine operates a series of picks, which have the peculiar motion of the human arm, when manipulating a pick in under mining or bearing into the coal, and are moved up to their work by the same mechanism which operates them, and their motion and movements can be graduated to any desired speed ; hence the machine can be worked by hand, horse, or steam power.

A BRILLIANT METEOR, with a wonderfully bright light, like the glare of a rocket, was seen at Virginia City, early on the morning of the 3d instant, illuminating the whole heavens ; so bright was the light that one could see to read. It lasted for a brief space, and passed away.

STOLEN DECISIONS.—Judge Curry, of the Supreme Court, lately had a coat stolen. There were several Supreme Court decisions in the pockets at the time of the theft. The coat has been recovered, but the decisions are missing.

BROOKLYN LAW.—A Brooklyn justice has decided that hiring a horse on Sunday was illegal, and refused to grant judgment to a livery man who let a team on Sunday that ran away and smashed up the carriage.

RICHARD WEGENER,
Accountant, Mining Secretary,
AND GENERAL AGENT.
No. 240 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco. 11-m

MINING LAWS AND FORMS.
Third Edition revised and enlarged.
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THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.
Published by H. H. BANCROFT & CO.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

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WINANS' ANTI-INCRUSTATION POWDER for Steam Boilers, a *SURE REMEDY*. Send for Circular.
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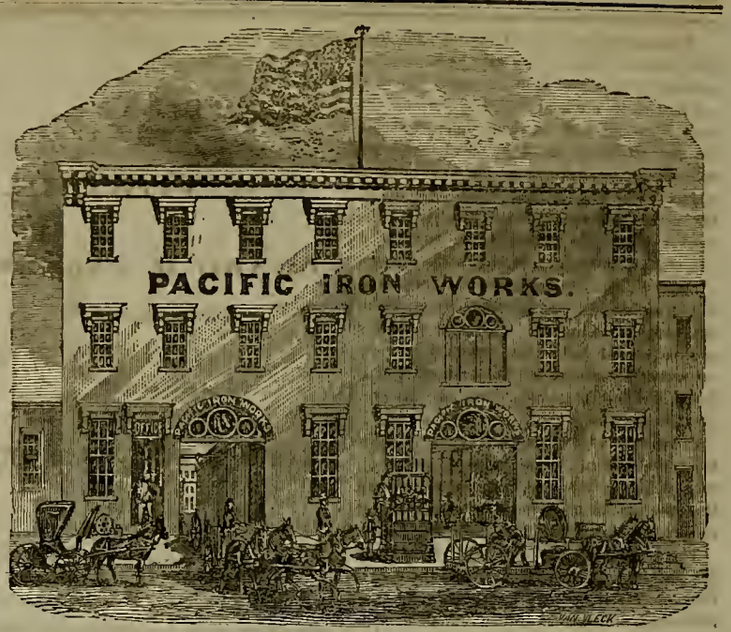
Nos. 39 & 41 Fremont, and 42 & 44 Beale Sts.
21v9tfq SAN FRANCISCO.

KELLOGG'S PATENT
IMPROVED NEWBURY
PRINTING PRESS.
This New, Cheap, and most Desirable
JOB PRINTING PRESS
Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.
Kellogg's Improvement
is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.
It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington hand-press, will have no difficulty in operating this machine.
As a Cheap and simple Press, for small Printing Offices in the interior, it highly recommends itself.
Address, **L. M. KELLOGG.**
October 20th, 1861. San Francisco.



THE PACIFIC IRON WORKS,
First & Fremont Sts., between Mission & Howard, San Francisco.
The proprietors of the above works, invite the attention of all parties interested, to their greatly improved and unequaled facilities for manufacturing Steam Engines and Boilers, both Marine and Stationary, of any required size and pattern, Quartz Mills, Amalgamating, Pumping and Hoisting Machinery of the most approved construction, Flour, Saw and Sugar Mills, Water Wheels, &c., &c. Our pattern list is most complete and extensive, embracing the late improvements in all classes of machinery adapted to use on this coast. We would call especial attention to the fact that we have secured the exclusive right of manufacture for the Pacific Coast of the celebrated Greene Engine, conceded to be the most economical and perfect working Engine now in use. We are also exclusive manufacturers of the celebrated
Bryan Battery, Varney's Amalgamators and Separators, Ryerson's Superheated Steam Amalgamators and Rotary Crushers, Stone Breakers, &c. Orders respectfully solicited.
GODDARD & COMPANY.

VULCAN IRON WORKS CO.,
[ESTABLISHED 1850.]
No. 137 and 139 First Street.
IRON FOUNDERS, STEAM BOILER MAKERS AND
STEAM ENGINE BUILDERS.
THE Machine Shop possesses the greatest number and the largest dimentions of Tools in the State. They have Lathe to turn nine feet in diameter and thirty feet long. Their other facilities for executing work rapidly and efficiently are unsurpassed. Upwards of 200 STEAM ENGINES, made at their own Works, are now running in this State and Oregon, in Steamboats, Quartz Mills, Saw and Flouring Mills. Their BOILER WORKS have turned out upwards of 600 STEAM BOILERS of all kinds.
MACHINERY
Quartz Mills, Flour Mills, Hydraulic and other Presses, Hoisting Machines, Gearing Pullies, Gudgeons, Boxes, Hangers, etc., in Great Variety.
Quartz Stampers, Shoes & Dies,
Warranted to be made of the very hardest and toughest Iron.
RAILROAD MACHINERY, LOCOMOTIVE, CARS, CHILLED WHEELS AND TIRES, ETC.
A Published list of the Patterns of these Works will be sent on application.
MANUFACTURERS OF
JONVAL'S TURBINE WATER WHEELS,
The Cheapest, most Portable and Effective Machine ever invented for the application of Water as a Motive power. These Wheels are made entirely of Iron, simple, and not liable to get out of order.
☞ A DIPLOMA was awarded to this Company for the *Best* California-Made *Steam Engine*, by the Mechanics' Institute, September, 1857. 13

N. B. HINCKLEY, WM. E. WORTH. WM. A. FIELD
FULTON
FOUNDRY AND IRON WORKS.
Hinckley & Co.,
MANUFACTURERS OF
STEAM ENGINES,
Quartz, Flour and Saw Mills,
Cast Iron Fronts for Buildings, Mining Pumps, Amalgamators, and all kinds of Machinery, Etc.
Nos. 45, 47 and 49 First Street, between Market and Mission street, San Francisco. 3-qy

NEW FOUNDRY.
SCHWARTZ, SHIELDS & CO.,
ALBANY IRON WORKS,
Mission street (south side), just below Beale.
THE UNDERSIGNED PROPRIETORS ARE PREPARED to manufacture all kinds of castings on the most liberal terms and on the shortest notice. Orders solicited.
N. SCHWARTZ,
R. SHIELDS.
D. S. DONLETY,
J. F. FLYNN
San Francisco, May 24, 1864. 22-tf

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

MINERS' FOUNDRY
—AND—
MACHINE WORKS,
First st., between Howard and Folsom streets,
SAN FRANCISCO.
EVERY DESCRIPTION OF IRON AND BRASS MACHINery, the **Best** and **Most Economical**, manufactured in the State of California, will be furnished with despatch at the Miners' Foundry and Machine Works, as :
Steam Engines and Boilers, Flour, Saw and Quartz Mi
Machinery Mining Pumps, Amalgamators,
Retorts, Etc., Etc.
Particular attention will be given to the manufacture of Machinery in Sections, designed for places of difficult access. Various models of Quartz Crushers, Amalgamators and Water Wheels—some in operation and on exhibition.
☞ Parties desiring to test their ores practically, in small quantities will be afforded ample facilities, free of cost.
All parties desiring accurate and highly finished drawings and Superior Machinery, at most reasonable rates are cordially invited to call before contracting elsewhere.
tf. HOWLAND, ANGEL & KING.

GEORGE T. PRACY,
Machinist and Blacksmith.
STEAM ENGINE, FLOUR & SAW MILL And Quartz Machinery, Printing Presses,
—AND—
MACHINERY OF EVERY DESCRIPTION MADE AND REPAIRED.
Nos. 109 and 111 Fremont street, near corner of Mission, OPPOSITE MECHANICS' MILL,
qy-3 SAN FRANCISCO.

PORTLAND BOILER WORKS.
MOYNIHAN & AITKEN,
BOILER MAKERS AND SHEET IRON WORKERS,
N. B. All kinds of Boiler and Sheet Iron Work executed at the shortest notice, and on the most reasonable terms.
Mission, between Beal and Fremont Sts., San Francisco.
qy29-tf

LEWIS COFFEY. J. S. RISDON.
LEWIS COFFEY & RISDON,
Steam Boiler & Sheet Iron Works
THE ONLY EXCLUSIVELY BOILER MAKING ESTABlishment on the Pacific Coast, owned and conducted by Practical Boiler Makers. All orders for New Work, the repairing of Old Work, executed as ordered, and warranted as to quality.
Old Stand, corner Bush and Market Streets. Opposite Oriental Hotel, San Francisco, Cal.

JOHN F. GALLAGHER..... JOSEPH H. WEED.
GALLAGHER & WEED,
BRASS AND BELL FOUNDRY And Lock Factory.
ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.
CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.] j2tf

NEEDED LEGISLATION.—The Humboldt *Register* speaks of a legislative act which is needed as much in this state as in Nevada. Many of our best mines are held in part by persons who have done no work in them, unless a small harmless stroke or two of the pick before work commenced in the districts. On many of these claims incorporations have been effected by the representatives of a bare majority of the stock. Work goes on for a while, but it soon becomes an enormous tax on half the owners, working a claim for the benefit of men who will come in and claim as soon as they make the ground marketable. A more summary process should be devised for ousting these non-workers, who can not be found, or who, if found, decline or neglect to come into the corporation.

It seems to us it might be provided by legislation that suit can be commenced against all such delinquents to one claim, in mass; and that sale can be made more speedily, and not subject to redemption of the property.

The mining interest is greatly retarded, by the dead-weight delinquents; and there is a common fear of uncertainty, and a distrust of interminable litigation, which retains companies from proceeding under last winter's act against delinquents.

THE RAIN FALL during the past two weeks, storm has been unprecedented, in California, for the time. The rain already fallen the present season just about equals the entire amount which fell last Winter. An unusual amount of snow for this early in the season has accumulated on the mountains, and which will yet be largely increased. This accumulation must provide an abundant supply for the rivers and ditches during the coming Summer. The snow was seven feet deep at Dutch Flat, a week ago. Even at the present writing the weather does not appear to be settled.

THE PETROLEUM STOCK BOARD IN N. Y.—The second meeting of the New York Petroleum Stock Board was held Oct. 13th, at which over fifty firms were represented. A constitution was adopted and officers elected. The rate of commissions fixed was five cents per share on all stocks bought or sold for $5 per share or under; and ten cents all over that amount. The Board starts with a large reserve fund sufficient to insure its success and permanency, and has rented the room on the first story of the building occupied by the Open Board of Brokers on Broad Street.

BURNSIDE! BUYER THIRTY!—The suit of James L. Coggswell *vs.* C. C. French was tried in the Fourth District Court, in this city, on Tuesday last, and a verdict of $1,535 awarded plaintiff, as prayed. The suit was on 30 shares of the Burnside Silver Mining Company's stock, sold by plaintiff on a broker's contract at $45 per share, buyer's option, 30 days, which defendant refused to take up when due. The defense moved for a non-suit, on the ground that the broker's contract (the usual form) only made the amount due upon the delivery of the stock, and that a merc tender of the certificates was not sufficient, but that the stock must be actually transferred on the books of the company before the plaintiff could demand payment for the stock. The point was overruled by the court, Judge Sawyer deciding that the teuder was insufficient. The defendaut then called an expert on the stand, to prove that there was no such mine as the Burnside; that although they had ground located, there was no mine or evidence of any, and that the location was not worth a cent, and, consequently, there was no consideration to the contract. The testimony was overruled, it not being alleged in the answer that there were any representatious that the Burnside Company had a mine. Plaintiff, however, agreed to allow the defendant the privilege of proving that the stock had no value, when defendaut proposed to prove that it had acquired a value through the misrepresentation of others, which testimony was, of course, overruled. The jury were instructed to bring in a verdict for plaintiff. We give the above points, as they are frequently discussed among brokers, and the decisions are valuable, particularly as to the tender of the stock.—*Bulletin.*

THE President of the Republic of Liberia, Daniel Bashiell Warner, is of unmixed African blood. He is said to be an able statesman, an eloquent speaker and a graceful writer. He is the third President of the young Republic, which is now seventeen years old.

BLASTING

POWDER.

EDWARD H. PARKER,

No. 224 California Street,

Agent of the

Hazard Powder Company.

WARRIN, SMITH & CO.,

Commission Merchants.

—ALSO—

REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.

No. 618 Merchant St., (above Montgomery) San Francisco.

☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Machinery.

HUNT'S NEW DITCHER.

HAVING SECURED FROM THE INVENTOR THE SOLE right to manufacture these Machines for the States of California and Oregon, and the Territory of Washington, I am now prepared to receive and promptly fill orders for these machines.

With the aid of three men and four horses this Machine will cut a ditch from two to three feet deep, as may be desired, dumping the earth all on one side so as to form a alke or embankment. For particulars send for circular, to

E. O. HUNT,

Windmill Builder, No. 28 Second Street and 110 & 112 Jessie Street, San Francisco. 9v22tf

Volcanic Smelting Furnace.

PERSONS desiring information as to the Use and Economical properties of this Furnace, and intending to make use of the same, when satisfied of its superiority over all other means of reducing ores and separating metals from the sulphurets, can obtain all needed explanation and advice in regard to the same, and the terms of sale of rights to use the same, on application to Col. J. D. Stevenson, or Mrs. E. J. Hall, Proprietress, 633 Third street, San Francisco.

Drawings may be seen at the office of Col. J. D. Stevenson, No. 614 Merchant street.

The time required for reducing ores by this Furnace is from one to eight hours, and the amount of fuel only one-tenth as much as is consumed by other processes.

The process of condensation is applied to this Furnace which will save all those portions of precious metals which usually escape in a volatile form.

The attention of all interested in the subject is requested to examine the important results obtained by this process.

Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.

v9-20tf MRS. E. J. HALL, M. D., Proprietress.

BLAKE'S

QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.

706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. Idaho City. E. TYLER. Michigan Bluff. WM. P. BLAKE. San Francisco.

1-3m

DUNBAR'S

PATENT SELF-ADJUSTING

Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,

23v8 Golden State Iron Works, San Francisco.

IMPROVED WATER-WHEEL,

—PATENTED BY—

JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,

15v8-3m Golden State Iron Works, San Francisco.

HUNT'S

IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S

Self-Regulating Windmill.

This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,

SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

Hudson's Improved Pump,

For sale and made to order any size desirable. Call and see.

Plumbing and Gas Fitting in all its Branches.

No. 33 Webb Street, Entrance on California or Sacramento, above Montgomery.

9-dfatf A. J. SMITH,

FARRAND'S

Oscillating Amalgamator,

RECEIVED THE

ONLY PREMIUM

AWARDED FOR AMALGAMATORS

At the Recent Industrial Fair

OF THE

Mechanics' Institute of San Francisco.

Committee of Awards.

O. BELDEN, O. GORI, W. T. GARRATT, GEO. JOHNSON, H. P. WAKELEE, C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, whilst the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulppurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,

R. L. OGDEN, Agent, SAN FRANCISCO.

S. E. corner Montgomery and California streets.

v9-19

Disney's Cylinder Amalgamator.

The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.

San Francisco, June 23, 1864. 1-3m

WHEELER'S

Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINed the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

Hepburn & Peterson's

AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.]

HEPBURN & PETERSON.

nov8 3m*

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

PRATER'S

PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.

San Francisco, April 1st. 1864. 14v8-tf

SALMON'S

PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of whgs placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side whgs, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of Iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,

At the Novelty Iron Works, Nos. 37 & 39 Fremont street. 15-1m

New Mining Notices.

Chandler Gold and Silver Mining Company, Location of Works—Lyon County, Nevada.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, of 50 cents per share, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Jas E Freeman	4	40	$20 00
John Armitage	8	40	20 00
H S McElroy	13	40	20 00
A J Murray	14	40	20 00
A Warner	17	40	20 00
R Rowe	18	40	20 00
G Percival	19 25	80	40 00
Wm Curry and Jones	26	40	20 00
Ayers & Co.	27 30	40	20 00
R S Dunmont	31 34	40	20 00
M V B Stacy	5	2	1 00
I. H Allen	39 42	20	10 00
G Sherwood	47 50	20	10 00
Wm H Boland	58	5	2 50
E P McCrea	66	40	20 00
T Drum	67	7	3 50
D Fulton	68	5	2 50
Wm Burch	69	1	50
S Wells	70	1	50
F Medina	76	2	1 00
H Christie	97 77	4	2 00
M Prendeville	78	1	50
T Warwick	80	4	2 00
J L Burns	82	5	2 50
R R Swain	1 84	85	120 60 00
Wm Haseltine	3 86	87	110 55 00
J S Meyer	7	84	80 40 00
J McChord		89	40 20 00
M Ahern	not issued		20 10 00
J F Barrett		90	20 10 00
F Hall		91	2 1 00
C L Place		96	40 20 00
J T Ryan	98	99	10 5 00
E S Rowe		100	40 20 00
S Tetlow		101	40 20 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, Californ on the 28th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary

Office, 321 Montgomery street. 24

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, Nevada.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of December, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said company, payable on the 2d day of December, 1864, in United States gold and silver coin, to the Secretary, in San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 31st day of December, 1864, will be advertised on that day as delinquent, and unless payment, shall be made before, will be sold on Saturday, the 14th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary.

Office, No, 204 Front street, San Francisco, California.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is postponed until Saturday, the 7th day of January, 1865, and the sale thereof is postponed until Saturday, January, 21st, 1865. By order of the Board of Trustees. JOHN J. SCOTCHLER, Secretary.

dec10-24-4

Fortune Mining Company, Mineral Spring District, Calaveras County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.

Office, No. 622 Clay street, San Francisco. [dec10-24-4

Keokuk Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of 10 cents per share was levied on the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin to the Secretary, at his office, No. 322 Front street.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 23d day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, 322 Front street. dec10-24-4

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 5th day of November, 1864, the several amounts set opposite the name of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W C Root	48	25	$125 00
C J Museby	16	25	125 00
A Powell, Jr	14	25	125 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 418 Montgomery street, on Saturday, the 24th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. dec10-24

Mechanics' Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of five cents per share was levied upon the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 322 Front street.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 23d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

A. B. WINEGAR, Secretary.

Office, No, 322 Front street, San Francisco. [dec10-24-4

McElroy Gold and Silver Mining Company, Location of Works—Lyon County, State of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, of fifty cents per share, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Jas E Freeman	5	40	$20 00
John Armitage	9	40	20 00
H S McElroy	14	40	20 00
A J Murray	15	40	20 00
A Warner	18	40	20 00
R Rowe	19	40	20 00
G Percival	20	20	80 40 00
Wm Curry and D Jones		27	40 20 00
Ayers & Co	28	30	40 20 00
R S Dunmont	32	35	40 20 00
M V B Stacy		38	2 1 00
Chas Chandler		40	4 2 00
K Holt		41	2 1 00
H B Chandler		42	4 2 00
I. H Allen	43	46	20 10 00
G Sherwood	47	50	20 10 00
Wm H Boland		57	5 2 50
E P McCrea		64	40 20 00
D Fulton		65	5 2 50
T Drumm		66	7 3 50
S Wells		68	2 1 00
H Christie		75	2 1 00
H Christie		94	2 1 00
Thos Warwick		76	4 2 00
M Prendeville		77	1 50
R R Swain	4 79	80	120 60 00
Wm Haseltine	3 81	82	110 55 00
J S Meyer	8	83	80 40 00
J McChord		85	40 20 00
M Ahern	not issued		20 10 00
J F Barrett		80	20 10 00
F Hall		87	2 1 00
S Blasdell		88	2 1 00
W Meeks		00	2 1 00
C L Place		93	40 20 00
J T Ryan	95	96	10 5 00
E S Rowe		97	40 20 00
S Tetlow		98	40 20 00
A B Wood		09	2 1 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 28th day of December, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, No. 321 Montgomery at,, San Francisco. 24

Oxford Beta Tunnel and Mining Company, Silver Hill. Esmeralda District, Nev.

NOTICE.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 7th day of November, 1864, the several amounts set opposite the names of the respectivo shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J P Overton	210	100	$50 00
Jacob Wissing	140	5	2 50
L T Smith	183	5	2 50
E Willett	169	5	2 50
E Willett	170	5	2 50
M C Kyes	142	7	3 50
M C Kyes	187	3	1 50
Wm L Minear	176	12½	6 25
John Morrison	177	12½	6 25
Geo W Dorn	192	5	2 50
A Farnsworth	203	10	5 00
A Farnsworth	204	10	5 00
M V Sprowl	207	25	12 50
M V Sprowl	204	25	12 50
I W Atkinson	210	5	2 50

And in accordance with law and an order of the Board of Trustees, made on the 7th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 28th day of December, 1864, at the hour of 11 o'clock, A. M., of said day to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco, California. dec12-24-4

Taliaiah Mining Company, Sierra District, Humboldt County, Nevada.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 5th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
A P Stanford	09	53	$132 50
S Heydenfeldt	89	10	25 00
S Heydenfeldt	100	10	25 00
S Heydenfeldt	107	10	25 00
S Heydenfeldt	108	10	25 00
S Heydenfeldt	109	10	25 00
S Heydenfeldt	110	10	25 00
S Heydenfeldt	111	3	7 50
W H Cherry	2	25	62 50
B Monroe	98	5	12 50
B Monroe	100	10	25 00
B Monroe	124	10	25 00
B Monroe	125	3	7 50
B Monroe	126	2	5 00
B Monroe	127	5	12 50
B Monroe	128	5	12 50
B Monroe	129	5	12 50
B Monroe	130	5	12 50
B Monroe	131	5	12 50
B Monroe	132	5	12 50
H P Briscoe	49	10	25 00
Geo Eidenmiller	104	13	32 50
J M P Fessenden	75	5	12 50
David A Bagley	105	10	25 00
M M Fargo	114	20	50 00
J B Fargo	120	5	12 50
G J Boring	122	10	25 00
G J Boring	123	10	25 00
I A Dunn	136	30	75 00
C W Swope	137	10	25 00
Isaac B Cutter	110	5	12 50
Isaac B Cutter	147	5	12 50
Isaac B Cutter	144	10	25 00
L R Dyer	certif not issued	6	15 00
J Williams	138	20	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No 418 Montgomery street, on Saturday, the 24th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. 24

Notice.

All those having claims against the Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, California, are requested to send in their claims or bills on or before the 7th day of January, 1865, to the Secretary, as none will be accepted after that date, the company being in liquidation, and ready to dissolve on or about that date. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary.

Office, Corner Post and Dupont street, San Francisco.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Fall Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHICHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fegg

Office of the Company 328 Montgomery Street. jltf

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK.....$120,000

600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco.

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco
P. T. ARCHAMBOU.....Geyserville.

19-3m

"STAND FROM UNDER."

On or about the 1st of January, 1865, we intend publishing a list of the Mining Companies which have long remained delinquent upon our books for advertising, together with the names of the Secretaries and Trustees, in cases where ample reasons for non-payment are not given. We intend that this list shall be a public warning. Let those interested read and heed.

BY AUTHORITY OF THE STATE OF CALIFORNIA.

Having fully complied with the law by a deposit of $525,000 bonds of the State of California and the United States,

BIGELOW & BROTHER,

GENERAL INSURANCE AGENTS,

FIRE, MARINE AND LIFE INSURANCE,

Capital Represented.....$15,000,000.

California Deposit.....$525,000.

Office Northwest corner Sacramento and Montgomery streets, and Northwest corner Front and California streets.

LIFE, MARINE AND FIRE COMPANIES,

HARTFORD FIRE INSURANCE COMPANY, Assets	$1,500,000
HOME INSURANCE COMPANY, of New York, Assets	3,400,000
SECURITY INSURANCE COMPANY, of New York, Assets	2,000,000
PHŒNIX INSURANCE COMPANY, of New York, Assets	1,000,000
ARCTIC INSURANCE COMPANY, of New York, Assets	600,000
WASHINGTON INSURANCE COMPANY, of New York, Assets	600,000
CONNECTICUT MUTUAL LIFE INSURANCE COMPANY, of Hartford, Conn.	

Policies issued on Freights, Cargoes, and Treasure, from and to All Parts of the World. Voyage War Risks taken on Hulls.

Fire Insurance Policies issued on all kinds of Insurable Property in the Country or City. Losses Payable in Gold Coin of the United States.

We represent the Oldest and Best Companies in the United States, and offer as favorable terms as any agency on this Coast.

Losses paid immediately on adjustment.

BIGELOW & BROTHER,

17-6m **General Agents.**

Comstock Gold, Silver and Copper Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of December, 1864, an assessment of $2.50 per share was levied upon the capital stock of said company, payable immediately in United States gold and silver coin, to the Secretary, at room No. 9 Mercantile Library Building, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHAS. H. PLATT, Secretary.

Office, Room No. 9, Mercantile Library Building, N. E. cor. Bush and Montgomery sts., San Francisco. [dec10-24-4

INVENTORS AND INVENTIONS.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Invention is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Glorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignorant of the joys of victory. —[Dumas.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

The Daily Evening Express, at Victoria, Vancouver Island is published by Messrs. Wallace, Allen & Hardyngo. Terms of subscription: One year, by mail, $10; six months, $6. It contains the late Mining, Commercial, and General News, up to the hour of going to press. Being the ONLY EVENING PAPER published in Victoria, and having a circulation equal to any other Journal in the Colony, it will be found an excellent medium to enable advertisers to bring their notices before the Public. W. H. TOBEY, Agent, Government House, San Francisco. 15-tf

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

PROFITABLE INVENTION.—It has always been a great desideratum with farmers to find some way, other than by hand, in which grain might be sown evenly, as much or as little to the acre as might be desirable. This object has at last been attained. Robert Baxter of this county, living near French Camp, has invented a sowing machine which enables the farmer to sow evenly, from ten to three hundred pounds per acre, and any width desirable. The machine was on exhibition at our District Fair, and received a special premium. It is very ingeniously constructed, but simple in its operation, and not liable to get out of repair. We understand that four machines are already in use, and working to the entire satisfaction of their owners. The makers are Campbell & Waleot, French Camp, five miles from Stockton, who inform us that at least fifty machines have been already engaged. They contemplate opening a shop in Stockton on an extensive scale, to supply the immense demand there is for these machines already. Cutler Salmon, of French Camp, is using one of these machines, nine feet wide, with three gangs of plows following, sowing and covering a strip nine feet wide. He has twelve horses, four abreast, in his team, and with only one man to attend it, is putting in from fifteen to eighteen acres each day. Mr. Baxter has applied for a patent, and will undoubtedly reap a rich harvest from his invention.—*Stockton Independent.*

NEWSPAPER CHANGES.—R. Ferral, one of the proprietors of the late Aurora *Times*, is about to take the material of that paper to Montgomery District and start a weekly journal there, to be called the Montgomery *News*. The *Weekly Bulletin*, published at Silver Mountain, in Alpine county, has been discontinued. It expresses the hope of being able to renew the publication of the sheet in March next. I. J. Rolfe has transferred his interest in the Nevada *Gazette* to O. P. Stidger. W. J. Beggs has become connected with it as joint proprietor and chief editor. Mr. H. C. Bennett, late of the San Francisco *Flag*, has assumed the editorial charge of the Grass Valley *Union*. C. R. Webb, the originator of *The Californian*, has returned to his "hantling," and united with other gentlemen in an association for the publication of that excellent journal.

ORIGIN OF THE TERM CABAL.—When Charles II. of England mounted his throne he called together a cabinet, or ministry, of every stripe of opinion, each pulling against the other, each intriguing, each the leader of some faction. Their names were Clifford, Ashley, Buckingham, Arlington, Lauderdale. They led or followed the passions of the people, as best suited their convenience, having no fixed principles whatever. The first letter of the names of the worthless ministers spelt the word C-A-B-A-L (cabal). Since that time this term has been applied to leaders of faction.—*Exchange.*

KEROSENE LAMP WICKS.—A correspondent of the Scientific *American* says:—"In the present price of kerosene lamp wicks, people can make a better wick than they can buy, by taking cotton flannel, of which all have pieces, and folding it up three thicknesses, just wide enough to go into the tube, and catching the edge with coarse stitches."

1852. 1864.

TWELFTH YEAR OF PUBLICATION.

THE GOLDEN ERA,

Founded in 1853.

The oldest Weekly Paper in the State, permanently established, and more widely circulated at home and abroad than any other on the Pacific Coast. In California, the Atlantic States, and throughout the entire field of its great and rapidly increasing circulation, THE GOLDEN ERA is universally regarded as a Literary and Family Journal of unequalled excellence. Among its contributors are all the best writers on this side of the Continent, and correspondents of distinguished ability in New York, Paris and London.

THE GOLDEN ERA is now enlarged by the addition of eight columns to its pages—and presents fifty-six columns containing the greatest possible variety of Valuable and Entertaining, Original and Selected Matter, all combining to render THE GOLDEN ERA a Literary and Family Journal of surpassing interest and attraction; a Welcome Guest in Cottage and Cabin; the favorite at the fireside in City and Country, the most useful, agreeable altogether desirable publication for California readers and their kindred and friends in the Atlantic States, Europe, and elsewhere. Every Household in the Mountains and Valleys, the Cities, Towns, and Mining Camps of California and throughout the Pacific States and Territories, should receive and welcome THE GOLDEN ERA as a regular weekly visitor.

Serial Romances in the Golden Era.

The most popular Novels of the present day—

"THE DOCTOR'S WIFE," by Miss Braddon.

"OUR MUTUAL FRIEND," by Charles Dickens;

published as Serials, from week to week, in THE GOLDEN ERA, from advance sheets, simultaneously with their appearance in the English and Atlantic Periodicals.

Among the Contributors to the GOLDEN ERA are all the prominent writers of Literary Repute in California, and on the Pacific Coast; also correspondents and contributors of distinguished talent in the Atlantic States and Europe; including "Orpheus C-Kerr," Fitz Hugh Ludlow, G. B. Densmore, "Mark Twain," Dan De Quille, Florence Fane, Miss Emma Hardinge, Sarah E. Carmichael, Annie E. Fitzgerald, "Oceasia Owen," Alice Mason, William Simpson, Chas. F. Stoddart, "Ina," H. C. Williston, "Albion," "Fairfax," Bonnevel, Mary Kyle Dallas, Margaret Hosmer, and many other accomplished writers of Fiction, Romance, Novels and Stories, Poetry, Essays, Sketches, etc., etc., comprising an array of Talent and Genius unapproached by any Literary Journal in California, the Atlantic States or Europe.

The proprietors of the GOLDEN ERA announce the receipt of advance Sheets of Miss M. E Braddon's New Novel,

The Doctor's Wife,

The most brilliant effort of the celebrated author of "Aurora Floyd;" "The Outcasts;" "Three Times Dead;" "Lady Audley's Secret;" etc., etc.

"THE DOCTOR'S WIFE," now in course of publication in London, is universally pronounced to be Miss Braddon's greatest production. It will be completed in sixteen numbers of THE GOLDEN ERA.

SUBSCRIBE FOR THE COLDEN ERA.

The COLDEN ERA, One Year.....Four Dollars.
The COLDEN ERA, Six Months.....Two Dollars.

THE TWO GREAT SERIALS,

"OUR MUTUAL FRIEND,".....by Charles Dickens.
"THE DOCTOR'S WIFE,".....by Miss Braddon

"THOUGHTS AND THINGS,"

APPEAR WEEKLY IN THE COLDEN ERA,

Read "Thoughts and Things" in the GOLDEN ERA.

SUBSCRIBE FOR THE GOLDEN ERA.

One Year.....$4 00 Six Months.....$2 00

To Mail Subscribers.

THE GOLDEN ERA for One Year.....$4 00
THE COLDEN ERA for Six Months.....$2 00
THE GOLDEN ERA for Three Months.....$1 00

Sent from the Office to any Address in California and Oregon—Nevada, Washington, Idaho, Utah and Colorado Territories—the Atlantic States, Europe, and all parts of the World.

Subscriptions to be Paid in Advance.

ONE YEAR $4. SIX MONTHS $2. THREE MONTHS $1.

Take care to write distinctly the name of the person; the name of the city, town or locality where the Post office is situated, and the name of the County and State, in order that the paper may be fully and accurately directed to every address.

THE GOLDEN ERA TO CLUBS.

Parties (living remote from localities where agents are located) forming a club of five yearly or half-yearly subscribers, and forwarding the subscriptions (by letter registered and postage paid) to the office of publication in San Francisco, will be entitled to an additional copy of The GOLDEN ERA for the term of one year, or to retain the equivalent in cash.

AGENTS in every part of the State receive subscribtions or the GOLDEN ERA.

POSTMASTERS in California, Oregon, and neighboring Territories, obtaining subscriptions for the GOLDEN ERA and forwarding the same, with name and address of the subscriber, will be allowed a commission therefor.

PARTIES residing in localities where no Agents are established will forward their subscriptions by mail.

SUBSCRIBERS will be careful in writing as plainly and fully as possible, the direction of papers to be sent to any part of California, the Atlantic States, or elsewhere.

Now is the Time to Subscribe.

TO ADVERTISERS!

Best Advertising Medium—The "Golden Era" is the oldest Weekly Journal in California, and indisputably enjoys by far the largest circulation in the city of San Francisco and in the interior of the State.

THE GOLDEN ERA

Is universally read in every city, town, village, and mining and agricultural precinct in California, and offers unusual and unequaled advantages to those who desire to bring their business prominently before the community. Only a limited space is devoted to advertising. All advertising pages are also largely occupied with fresh and interesting reading matter, and no advertisement can escape attention. The charges for advertising are not so large, proportioned to the benefits derived, as these of other papers. Liberal terms will be made with those who advertise for three or six months, or by the year.

GOLDEN ERA POSTAGE.

POSTAGE on the GOLDEN ERA, to Mail Subscribers, in California and throughout all the States and Territories of the Union, per quarter, (3 months).... 5 cts. To be paid quarterly, in advance, either at the Office of Mailing or Delivery.
POSTAGE on the GOLDEN ERA, Single Copies, transient, to be prepaid by stamps..... 2 cts.
POSAGE on the GOLDEN ERA, to Mail Subscribers in the county (San Francisco) where published..... Free.

TO MAIL SUBSCRIBERS.

The Golden Era, for One Year..... $4 00
The Golden Era, for Six Months..... $2 00
The Golden Era, for Three Months..... $1 00

Subscriptions to be Paid in Advance.

BROOKS & LAWRENCE,
GOLDEN ERA BUILDING,
543 Clay st., near Montgomery, San Francisco.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

HATS, HATS.

The Largest Assortment

—OF—

HATS AND CAPS

—IS AT—

Meussdorffer's Hat Manufactory,

635 and 637 Commercial Street,

Between Montgomery and Kearny,

SAN FRANCISCO,

WHICH HE OFFERS FOR SALE

WHOLESALE AND RETAIL.

NATHANIEL GRAY,

General Furnishing Undertaker,

641 Sacramento St., corner of Webb, San Francisco.

Barstow's Metallic Burial Caskets and Cases.

1tf

Palmer's Patent

ARTIFICIAL LEG,

Manufactured in Philadelphia, Penn.

JARVIS JEWETT, AGENT.

629 Washington Street, San Francisco, Cal. 10v8-1m

TEETH

Extracting Without Pain.

Drs. Whitcomb & Dyer,

DENTISTS,

[Successors to W. H. Irwin.]

No. 205 Third Street, near Howard,

18-v9 SAN FRANCISCO.

Mining Notices--Continued.

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable immediately, in United States gold and silver coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. A. HILL, Secretary,
Office, No. 418 Montgomery Street, San Francisco, Cal.
dec3-23-4

Ashland Mining Company, Moss Lode, Colorado Mining District, Arizona.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 16th day of November, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 17th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 613 Montgomery street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Tuesday the 3d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. T. KNOX, Secretary.
Office, No. 613 Montgomery street. nov19-21-4

Bella Vista Gold and Silver Mining Company, Ensenada District, Lower California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 11th day of November, 1864, an assessment of 65 cents per share was levied upon the capital stock of said company, payable on the 12th day of November, 1864, in United States gold coin, to the Secretary, at the office of the company, No. 326 Clay street.

Any stock upon which said assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. FULLER, Secretary.
Office, No. 326 Clay street, San Francisco. [nov19-21-4

Blue Ledge Gold and Silver Quartz Mining Company, Kelsey District, El Dorado County, California.

The office of the above named company has been removed to Room No. 5, Government House, on the corner of Washington and Sansome streets. V. B. POST, Secretary.
San Francisco, November 14, 1864. 21

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of two dollars per share was levied upon the capital stock of said company, payable on the 22d day of November, 1864, in United States gold coin, to the Secretary, at his office, or to Jas. V. COFFEY, Virginia City, Nevada.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturay, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Nos. 8 & 10 Government House, corner of Washington and Sansome Streets, San Francisco. nov26-22-4

Notice.

THE Annual Meeting of the Stockholders of the Colorado Silver and Copper Mining Company (Arizona Territory), will be held at the Company's office, No. 523 Clay street, San Francisco, on Monday, December 26th, 1864, at 3 o'clock P. M., for the election of Trustees, and the transaction of any other business that may properly come before it.
21-4 B. W. MUDGE, Secretary

El Toro Gold and Silver Mining Company, Concordia District, Pamuco, Sinaloa, Mexico.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 2d day of August, 1864, an Assessment (No. 4) of $2.00 per share was levied upon the assessable stock of said Company, payable on the 2d day of September, 1864, in United States gold coin to the Secretary at the office office of the Company, No. 617½ Montgomery street, San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 17th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

FORD H. ROGERS, Secretary.
Office, No. 617½ Montgomery street, San Francisco, Cal.

In consequence of omission in former advertisement, the above notice is ordered republished. nov19-21-4

Empress Gold and Silver Mining Company, Gold Hill Mining District, Storey Co., State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 25th day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 26th day of November, 1864, in United States gold or silver coin to the Secretary, at the office of said company, No. 540 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 30th day of December, 1864, will be advertised on Saturday, the 31st day of December, 1864, as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 20th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By orderof the Board of Trustees.

RALPH EMERSON, Secretary.
Office, No. 540 Clay Street. nov26-22-4

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County, Cal.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the first day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
I Campbell	107	12½	$3 12
E A Dowd	25	10	2 50
J H Phillips	28	25	6 25
C L F Brown	54	5	1 25
C L F Brown	55	5	1 25
F A S Jones	88	25	6 25
C A Fitch	93	10	2 50
M L Doom	106	2½	63
Orlando Weed	125	10	2 50
Jacob Hanson	226	10	2 50
G R Posey	128	5	1 25
Jas Arthur	135	20	5 00
Jas Arthur	156	5	1 25
M Daly	142	10	2 50
J G Marston	144	10	2 50
J C Marston	152	15	3 75
Jos Cribbs	149	10	2 50
C A Jonnson	154	10	2 50
J S Lamb	155	10	2 50
E Casey	163	8	2 00
C Stackpole	164	10	2 50
Mrs M F Howe	168	5	1 25
Mrs E S Howe	169	5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of November 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 526 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

PRESTON MORRIS, Secretary.
Office, No. 526 Montgomery street, San Francisco. [23

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.
Office, 11 Government House, corner Washington and Sansome streets, San Francisco.

Gobernadora Silver Mining Company, San Antonio District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 1st day of November, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Benderman	100	30	$30 00
Peter Brown	309	17	17 00
J G Cuttenden	101	10	10 00
R W Colins	345	10	10 00
J H Dowsing	119	30	30 00
H L Dorrance	212	8	8 00
H C Dorrance	243	7	7 00
John Dugan	343	6	0 00
E R Hawley	269	25	25 00
E R Hawley	270	25	25 00
Hodges & McAbee	284	40	40 00
A P Hodgden	322	15	15 00
A H Jordan	280	25	25 00
A H Jordan	287	25	25 00
W H Keep	211	10	10 00
W H Knapp	70	10	10 00
W H Knapp	71	10	10 00
W H Knapp	73	15	15 00
W H Knapp	74	20	20 00
W H Knapp	76	15	15 00
W H Knapp	77	25	25 00
W H Knapp	98	10	10 00
H Kilham	235	10	20 00
H Kilham	236	10	10 00
H Kilham	237	5	5 00
H Kilham	238	5	5 00
H Kilham	239	5	5 00
H Kilham	240	5	5 00
H Kilham	241	5	5 00
H Kilham	242	5	5 00
R G McClellan	20	50	50 00
R G McClellan	220	25	25 00
R G McClellan	231	25	25 00
R G McClellan	260	10	10 00
R G McClellan	340	50	50 00
W F Mayhew	111	20	20 00
W F Mayhew	348	20	20 00
Chas McDonald	183	5	5 00
Chas McDonald	234	15	15 00
Alex McAbee	342	10	10 00
C F Noble	245	20	20 00
J M Platt	286	5	5 00
A S Slavan	115	10	10 00
T H Stevens	311	10	10 00
T H Stevens	312	5	5 00
M I Ward	285	10	10 00
Wm Windsor	207	10	10 00
Wm Windsor	222	15	15 00
Wm Windsor	250	0	9 00
Wm Windsor	251	4	4 00
Wm Windsor	252	0	0 00
Wm Windsor	271	25	25 00
Wm Windsor	288	1	1 00
Wm Windsor	289	1	1 00
Wm Windsor	292	1	1 00
Wm Windsor	303	10	20 00
Wm Windsor	304	2	2 00
Wm Windsor	307	5	5 00
Wm Windsor	310	8	8 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco. 23

Lancaster Gold and Silver Mining Company, Como, Lyon County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
John Armitage	8	40	$20 00
H S McElroy	13	40	20 00
Wm Curry & Jones	26	40	20 00
R S Dumont	31 34	40	20 00
E P McRea	66	40	20 00
M V B Stacy	35	1	50
Wm Birch	71	1	50
S A Wells	69 70	2	1 00
David Fulton	63 129	12	6 00
F Medina	77	1	50
A J Murray	14	40	20 00
W Meeks	99	2	1 00
O Risdon	107	5	2 50
Benj Cook	109 111	15	7 50
W Callaghan	125	1	50
Felix	126	1	50
B P Wilkins	142	10	5 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 14th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Manzanilla Mining Company, Sinaloa, Mexico.

NOTICE.—The Semi-Annual Meeting of the Stockholders in the above named Company, for the purpose of electing Trustees, and the transaction of such other business as may come before the meeting, will be held on Wednesday, December 14th, 1864, at 7½ o'clock, P. M., at the office of the company, No. 706 Montgomery street, San Francisco. A full attendance is requested, as business of importance will be brought before the meeting. By order of the Board of Trustees. E. C. McCOMB, Sec. pro tem.

23

Mammoth Gold and Silver Mining Company, Rock Spring District, San Bernardino County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 19th day of November, 1864, an assessment of sixty cents per share was levied upon the capital stock of said Company, payable on the 21st day of November, 1864, in United States gold or silver coin, to the Secretary, at the office of the company, No. 611 Clay Street, Room 8, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 9th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

nov26-22-4 GEORGE BOWER, Secretary.

How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of November, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.

Office, S. W. Corner of Stockton and Washington streets, San Francisco, nov19-21 5

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander County, Nevada.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 17th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
Ira Wadleigh	1	80	$20 00
Ira Wadleigh	3 to 7 inc.—ea 40	200	50 00
Ira Wadleigh	8 to 25 inc.—ea 20	360	90 00
J B Barnett	26	50	12 50
J B Barnett	27	23—ea 20	40	10 00
H T Hunt	34	80	20 0
H T Hunt	35	26—ea 40	80	20 00
H T Hunt	37	38—ea 20	40	10 00
P H Lovell	40	200	50 00
P H Lovell	40	41—ea 100	200	50 00
P H Lovell	42	43—ea 80	160	40 00
P H Lovell	44	45—ea 40	80	20 00
P H Lovell	46	47—ea 20	40	10 00
Samuel Titus	48	90	22 50
W H Gladwin (Ira Wadleigh)	54	80	20 00
P H Lovell	55	40	10 00
C Greenwood	56	100	25 00
C Greenwood	57	50	12 50
C Greenwood	58 to 59	60—ea 25	75	18 75
C Greenwood	61	62—ea 20	40	10 00
C Greenwood	63	64—ea 10	20	5 00
C Greenwood	05 06 67	68—ea 5	35	8 75
	69 70 71		

And in accordance with law, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery st., San Francisco, California, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment, together with costs of advertising and expenses of the sale. C. H. BURTON, Secretary.

Office, Room No. 4, N. W. corner Clay and Front streets, San Francisco, California. 23

Peon Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Knull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parrintou	11	10 2 3	50
R C Jacobs	32, 137	39 1 3	119
J J Corrigan	153	31	93
J F Borland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 130, 140	15 2-3	47
Miss M A Philips	54, 55, 66, 66 67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	30	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1-2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palache	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
T G Mathews	132, 172	3	0
Gen L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peck	123	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	153	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	167	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Ruby Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 36 Exchange Building, in the city of San Francisco, California, or to E. S. Davis at Austin.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 9th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. nov26-23-4

Rogers' Silver Mining Company, Flowery District, Storey County, State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 1st day of December, 1864, an assessment of two dollars per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, at his office, No. 103 California street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Thursday the 5th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold at public auction on Monday the 23d day of January, 1865, at 12 o'clock M. of that day, by John Middleton & Son, at No. 400 Montgomery street, San Francisco, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JNO. P. POPE, Secretary.

San Francisco, Dec. 3, 1864. 23-4

Santa Cruz Petroleum Oil Works Company, Santa Cruz County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 31st day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Broughton, W W	385	100	$12 50
Broughton, W W	419	52	6 50
Broughton, W W	420	100	12 50
Bennett, Mary S	305	10	1 25
Bennett, Mary S	305	1	12
Boynton, J F	130	1	12
Bennett, Dr Geo	306	3	37
Bennett, Dr Geo	307	10	1 25
Bennett, Dr Geo	308	10	1 25
Brennan, James	591	300	37 50
Boynton, Miss J	477	10	1 25
Baldwin, A	455	100	12 50
Bralley, Pat	505	10	1 25
Bralley, Pat	556	10	1 25
Blaisdell, Mrs E F	71	10	1 25
Blaisdell, Mrs E F	259	1	12
Blaisdell, Mrs E F	402	10	1 25
Cummings, Cous O	87	1	12
Cummings, Chas O	88	2	25
Cosgrove, P C	133	5	62
Cosgrove, P C	136	5	62
Carr, Mrs A L	211	5	62
Carr, Mrs A L	212	5	62
Carr, Mrs A L	310	1	12
Carr, Mrs A L	571	5	62
Cram, Mrs E	401	6	75
Curtis, Lucien	584	0	75
Curtis, Lucien	594	25	3 12
Cooper, J B L	578	15	1 87
Campbell, Catherine E	596	100	12 50
Camerlick, Geo	605	41	5 12
Cobb, H A	613	100	12 50
Dustin, C H	98	2	25
Dustin, C H	99	2	25
Dustin, C H	100	1	12
Durney, A F	125	10	1 25
Durney, A F	200	1	12
Derrick, W H	570	10	1 25
Derrick, W H	573	100	12 50
Derrick, W H	586	11	1 37
Donnolly, Thos	507	35	4 37
Edson Benj	592	2	25
Himrod, O W	60	10	1 25
Himrod, O W	61	10	1 25
Himrod, O W	52	10	1 25
Himrod, O W	63	10	1 25
Himrod, O W	64	10	1 25
Himrod, O W	237	7	87
Hyde, R E	370	100	12 50
Hyde, R E	390	41	5 12
Hoyt, E	213	5	62
Hoyt, E	214	5	62
Healey, Jos	341	20	2 50
Lathrop, A B	511	25	3 12
Langdon, Samuel	173	20	2 50
Langdon, Samuel	174	20	2 50
Langdon, Samuel	175	20	2 50
Langdon, Samuel	176	20	2 50
Langdon, Samuel	222	50	6 25
Langdon, Samuel	342	11	1 37
Mastick, E B	8	30	3 75
Mastick, E B	345	4	50
Moreto, E G	105	1	12
Miller, Geo A	137	10	1 25
Miller, Geo A	235	1	12
Morgan, A R	231	1	12
Matthuson, P	410	4	50
McElroy, A M	106	1	12
Post, Mrs. H	315	10	1 25
Perkins, R F	416	5	62
Perkins, R F	417	40	5 00
Rowell, Isaac	3	30	3 75
Rowell, Isaac	172	75	9 37
Rowell, Isaac	314	14	1 75
Rand, Mary A	138	5	62
Rider, W H	502	10	1 25
Ross, Wm G	607	200	25 00
Starr, T N	328	5	62
Sproul, J R	353	5	62
Tillinghast, W H	1	30	3 75
Tillingbast, W H	351	4	50
Tillinghast, W M	499	50	6 25
Tompkinson, Jos	277	1	12
Wolff, B	608	2	25
Woodthorpe, Mrs H	621	15	1 87
Whiting, B C	445	10	1 25
Whiting, B C	446	10	1 25
Whiting, B C	447	10	1 25
Whiting, B C	448	5	62
Whiting, B C	449	5	62
Whiting, B C	450	5	62
Whiting, B C	451	5	62
Whiting, B C	452	5	62
Wood, A B	055	10	1 25
Wood, A B	589	10	1 25
Redington, Gen A	480	61	7 62
Young, Henry	569	25	3 12
Walton, N C	257	20	2 50
Walton, N C	258	3	37
Walton, N C	264	200	25 00
Walton, N C	479	70	8 75

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Cobb & Sinton, No. 406 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

W. FELL, Secretary.

Office, No 53 Montgomery Block, San Francisco. 23

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 15th day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 17th day of December, 1864, will be advertised on that day as delinquent, and, unless payment shall be made before, will be sold on Saturday the 31st day of December, 1864, to pay the delinquent assesment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street. nov19-21-4

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

SISTERS MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
Farrell, M J	95	50	$7 50
Fisher, W F	101	7	95
Mollet, John	68	100	15 00
Muller, Ed	21 22 23	27½	4 13
Parker, A H	10 12 14 15 16	150	22 50
Welch, G W	29 30	50	7 50

AUGUSTA MINING COMPANY.

Bates, C M	29	125	18 75
Fairbanks, H T	52	50	7 50
Farrell, M J	75	175	26 25
Muller, Ed	19 20 21 22 23	21	63½	9 38
Morrison, Robt	28	125	18 75
Parker, A H	17	25	3 75
Scott, R H	53 54 55	56	800	120 00
Stoaks, H F	79	50	7 50
Welch, G W	32	25	3 75

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Doré & Co., No. 327 Montgomery street, on the 5th day of December, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

L. C. DODGE, Secretary.

Office No. 406 Front street, San Francisco, Cal. 21

POSTPONEMENT.—The above sale is postponed until Thursday, December 15th, 1864, at the same place and hour. By order of the Board of Trustees.

23-21 L. C. DODGE, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Friday, the 23d day of December, 1864. By order of the Board of Trustees. L. C. DODGE, Secretary.

24-2

Silver Prize Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of October, 1864, an assessment of 15 cents per share was levied upon the capital stock of said Company, payable on the 17th day of October, 1864, in United States gold coin, to the Secretary, or to the Superintendent at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday the 19th day of November, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 3d day of December, 1864, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, 430 Montgomery street, San Francisco.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment is hereby postponed until Saturday, December 17th, 1864, and the sale thereof until Saturday, December 31st, 1864. By order of the Board of Trustees.

21-4 J. WARREN CLARK, Secretary.

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given that the Annual Meeting of the above named Company will be held on Monday, December 26th, at 2 o'clock P. M., at the office of the Secretary, Nos. 8 & 10 Government House, corner of Sansome and Washington streets, San Francisco, Cal.

22-5 J. M. BUFFINGTON, Secretary.

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 22d day of November, 1864, in United States gold and silver coin, to the Secretary, or to Jas. V. COFFEY, Virginia.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. nov26-22-4

Wilson Copper Mining Company, Garden Bar District, Placer County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 31st day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Chollar, Wm	12	20	$10 00
Chollar, Wm	15	20	10 00
Chollar, Wm	97	5	2 50
Chollar, Wm	98	5	2 50
Camp, O S	111	5	2 50
Ing, A D	17	50	25 00
Other, Thos	112	100	50 00
Platt, H B	78	80	40 00
Wetherbee, H	90	130	65 00
Wetherbee, H	110	30	15 00
Wetherbee, H	106	55	25 00
Wilson & Bicknell	72	20	10 00
Wilson & Bicknell	99	2	1 00
Wilson & Bicknell	103	5	2 50
Wilson & Bicknell	15	27	13 50
Wilson & Bicknell	118	27	13 50
Wilson & Bicknell	154	100	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the company, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco.

dec3-23

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe to be a sensible motto.

To Keep Grapes Through the Winter.—The American *Agriculturist* recommends the following plans:—

Let the grapes be picked before they are dead ripe and when perfectly dry; remove all the defective ones; wrap each bunch well in old paper or cotton, and not allow more than two layers in a box; place in a cold, dry room where they will not freeze.

Another.—The French preserve grapes the year round by coating the clusters with lime. The bunches are picked just before they are thoroughly ripe, and dipped in lime water of the consistency of thick cream. They are hung up to remain. The lime coating keeps out the air, and checks any tendency to decay. When wanted for the table, dip the clusters into warm water to remove the lime.

Bad Roads in Washoe.—Several mining claims in Virginia City and Gold Hill have suspended work in consequence of the state of the roads being so bad that teams cannot haul the quartz to the mills. The Savage, Chollar and Hale & Norcross companies have suspended work for the present. The two former have their ore houses full, while the latter is compelled to stop operations for a time, because of the difficulty of getting the cars over the track to the dump pile, owing to the accumulation of snow.

California Brandy.—It is said that a large portion of the Hawaiian molasses received here from the Islands is taken into the grape-growing countries of the interior, probably with a view of making it into California Brandy, after the style and quality of French (Bordeaux.) During the past four months we know of from 500 to 1000 bbls of this Sandwich Island molasses that have been purchased, as is supposed, for such a purpose.

Water and Morals.—A very slight declivity suffices to give the running motive to water. Three inches per mile, in a smooth, straight channel, give a velocity of about three miles per hour. Now, what is true of water is equally true of morals. The best of men only need a slight push from adversity to obtain a downhill momentum. Be careful, therefore, how you lose your equilibrium.

Dead.—Benjamin Greenleaf, author of the popular series of school arithmetics, and the first to popularize the teaching of English Grammar, by a book entitled "Greenleaf's Grammar Simplified," died in the East, lately, at the advanced age of seventy-eight years.

Paper Question.—The Chicago *Tribune*, in answering some of its subscribers' complaints about the quantity and color of paper used, says "the difficulty is not now to get bad or good paper, but to get paper at all." Printing paper is a very scarce article, and the price is advancing, notwithstanding the decline in gold.

Rats.—It is estimated that these pests cost the nation $10,000,000 annually.

Bound Volumes Ready.—Bound copies of Volume VIII of the Mining and Scientific Press, due the following honorable gentlemen, are now ready, and will be forwarded on receipt of their orders for the same:

Honorable Seth Martin, Nevada.
" R. A. Clark, Union Valley, Plumas.
" J. P. Rhodes, Sacramento.
" A. A. Smith, Nevada.
" S. S. Littlefield, Siskiyou.
" E. H. Snyder, Placer.
" O. P. Stidger, Nevada.

Give us directions how to send them, gentlemen.

Canvassing Agent Wanted

For the Mining and Scientific Press.

An experienced, prompt and reliable agent can secure a desirable and lucrative engagement by applying immediately at this office.

Advertising Circular.

The Proprietors of the Mining and Scientific Press would call the especial attention of Mining Secretaries, Trustees and Shareholders, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The Press enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the Press is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the Press, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

American and Foreign Patent Agency

FOR THE

PACIFIC COAST.

DEWEY & CO., AGENTS,

AND PUBLISHERS OF

The Mining and Scientific Press,

Corner of Washington and Sansome Streets.

We would call the particular attention of INVENTORS and DISCOVERERS in ARTS, MECHANISM, METALLURGY and CHEMISTRY, to our superior advantages for soliciting Letters Patent in the United States, British Columbia, European and other Civilized Countries.

We have secured the co-operative services of some of the oldest, most thorough and reliable Patent Solicitors and Attorneys at Washington, and in Foreign Countries, and our Applicants can have their claims and specifications properly and speedily presented, without the delay necessarily required in transacting their business through Eastern or Foreign Agencies. For further information, address

DEWEY & CO.,
Publishers and Patent Agents.

Corner of Washington and Sansome Streets, San Francisco.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the Press or some other paper.

6th. Many copies of the Press are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the Press, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

Last, but not Least.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the Press shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 11 & 56 Government House, Corner of Washington and Sansome streets, San Francisco.

The Mining and Scientific Press makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

Scientific and Mining Journal.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

"Mining and Scientific Press."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

MINING BLANKS

For Sale

AT THE

OFFICE OF THE MINING AND SCIENTIFIC PRESS,
Nos. 11 & 56 Government House.

Blanks for Mining Companies, Secretaries, Shareholders and others, always on hand, or printed to order, at our office.

Among others are those of the following forms:

Shareholder's Proxy.

Know all men by these presents, that I, ... do hereby constitute and appoint ..... my attorney and agent, for me and in my name, to vote as my proxy, at a meeting of the ..... Mining Company, to be held ..... 186 , according to the number of votes that I should be entitled to cast were I there personally present.

In witness whereof I have this day hereunto set my hand and seal. .....[Seal]

Dated 186

Assessment Notice.

..... Company

....

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the ..th day of ....., 186 , an Assessment of .....per share was levied upon the Capital Stock of said Company, payable on the ..th day of .....186 , in United States gold and silver coin to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday, the ..th day of ....., 186 , will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on ....., the ..th day of ....., 186 , to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

..... Secretary.

Office.....

Delinquent Sale.

Notice.—There are delinquent, upon the following described Stock, on account of assessment levied on the ..th day of ....., 186 , the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
Theophilus Thistle	23	14	$140 00
Peter Piper.....	2	3	30 10

And in accordance with law and an order of the Board of Trustees, made on the ..th day of..... ....., 186 , so many shares of each parcel of said stock as may be necessary, will be sold at the.....

....., on ....., the ..th day of....., 186 , at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

..... Secretary.

Office.....

☞ Our advertisers are furnished with blank Assessment and Sale notices free of charge. Orders from the interior promptly filled, by mail or express, as may be desired.

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,

Cor. Market and First Sts., opposite Oriental Hotel,
SAN FRANCISCO.

Manufacturer of Brass, Zinc, and Anti-Friction or

Babbet Metal Castings;

CHURCH AND STEAMBOAT

BELLS,

TAVERN AND HAND BELLS AND GONGS,

FIRE ENGINES, FORCE AND LIFT PUMPS,

Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,

HYDRAULIC PIPES AND NOZZELS

For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."

☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

W. M. HARRISON
417 CLAY ST
PRINTER S.F. ENGRAVER &
ELECTROTYPER
PRINTER'S WAREHOUSE

TO MINE OWNERS.

REDUCTION AND SMELTING WORKS ON A SUFFICIENTLY large scale, where Ores of every kind can be thoroughly treated, so as to extract therefrom the precious metals, have long been wanted in California.

The Undersigned is desirous of erecting such works to meet the demand, provided sufficient encouragement can be obtained in regard to the quantity of work which may reasonably be looked for.

I have sufficiently proven, in my former smelting works, on Bryant Street, where I worked the richest of the Ophir ores to within Two and One-Half per cent. of the Assay, that I was acquainted with Metallurgy previous to my recent travels and experience in Europe, where I have built, during my sojourn there of nearly three years, many Reduction Works, thereby proving that I am capable of working ores by any and all known processes, whether by Smelting or Amalgamating, or other methods best adapted to the nature of the ore to be worked, and as close to the assay as can be done anywhere in Europe.

Mine owners wishing quantities worked as cheaply and effectively as can be done by sending it to Europe, will address the undersigned. Parties wishing to erect Quartz Mills, or other Reduction Works, can be furnished with Plans, Estimations, and other useful and necessary information as to the best mode of extracting the precious metals.

Address **J. MOSHEIMER,**

Office, Nos. 14 & 15 Mead's Building, Corner of Pine and Montgomery Streets, San Francisco. 9v23tfq

BRANDRETH'S PILLS.

This Medicine often Cures when all others have failed. They prevent Apoplexy; they Cure Diseases of the Heart and Nervous Diseases, and as a

Purgative and Bilious Pill,

They have not their equal in the World.

Employed according to directions, accompanying every box of new style, they produce

Great Purity of the Blood and the System Generally,

Causing only the removal of vitiated matters which have become useless or injurious, and seeking in the reconstruction of diseased parts of nothing but sound and healthy materials.

THE USE OF BRANDRETH'S PILLS

OCCASION

The Actual Decrease of the PRINCIPLE OF DEATH, and an Increase of the Vivifying, the Life Principle.

B. BRANDRETH,
294 Canal Street, New York.

W. F. BRANDRETH,
Office at Crane & Brigham's, San Francisco.

By sending $1 in coin to the above address, five boxes of pills will be sent to any part of this coast or the interior, Free of charge. 16-3m4c8p

NOTICE TO MINERS.

NEW QUARTZ MILL.

THE ATTENTION OF ALL ENGAGED IN MINING IS called to Fauchery's unrivaled Mining Machines, consisting of his celebrated Turbine Water Wheel, which took the First Premium at the Mechanics' Fair at San Francisco for 1864; his Crocodile Quartz Crusher; his Pulverizer; and his Improved Freiberg Amalgamating Barrel; altogether forming the most complete and effective Quartz Reducing and Amalgamating Mill now in use. This mill can be put up at less cost, run with less power, and accomplish more work, than any other now in use.

B. Fauchery and F. Genard

Having established a Quartz Mill and Metallurgical Works, are now prepared to crush, roast, amalgamate, assort, cupelate, and give correct analysis of ores. We are also prepared to give our attention to the building and constructing of Quartz Mills and Furnaces, and give directions for working Mines; and also to instruct persons in all branches appertaining to Mining Works, at No. 23 Freeont street, near Market, Railroad Foundry building.

F. GENARD, **B. FAUCHERY,**
Metallurgist. **Engineer,**

9v24

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—Eds. Press.]

AND SCIENTIFIC Mining Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, DECEMBER 17, 1864. | VOLUME IX. Number 25.

Contents:

Vol. IX, No. 25—December 17.—Wheeler & McAuley's Hydraulic Pressure Water Wheel; A New Crushing Mill; Reply to Mr. Gabb; Virginia City Correspondence—by our Regular Lady Correspondent; Virginia City Correspondence—by a Special Contributor; New York Correspondence; Lead Pipe Manufactory in San Francisco; A New Turpentine; The Rivet and Ryerson Processes; Safe Rules for Mining Advertising; Astonishing Illegality of Mining Advertising; The Copper Mines of Nevada County; Mechanical—Rules for Constructing Cone Pulleys, A New Gun Metal, The Hermetical Barrel; Practice vs. Theory; Home Finances; Eastern Finances; Mining Summary; To Correspondents; Editorial and Other Miscellany; Mining Shareholders' Directory; Prices Current; Stock Reports and Sales; New Mining Advertisements, Etc.

☞ New Mining Advertisements on page 397. ☜

Send in Your Subscriptions!

A New Volume of the Press commences on the 31st of December, and now is the time to renew your subscriptions. If you believe in supporting our paper, send us in your own subscription, and as many of your neighbors' names as possible.

San Francisco Jobbing Prices Current.

Flour, extra, ₱ bbl	11 00 @12
Do Superfine	10 00 @
Corn Meal, ₱ 100 lb	3 50 @ 4 00
Wheat, ₱ 100 lb	3 50 @ 3 75
Oats, choice, ₱ 100 lb	2 80 @ 3 00
Barley, ₱ 00 lb	3 50 @ 3 75
Beans, ₱ lb	3 @ 4
Potatoes	2½@ 3½
Hay, ₱ ton	22 00 @36 00
Live Oak Wood, ₱ cord	8 00 @ 9 00
Beef, on foot, ₱ lb	2 @ 3
Beef, extra, dressed, ₱ lb	4 @ 10
Sheep, on foot	2 @ 2 50
Hogs, on foot, ₱ lb	4 @ 7
Hogs, dressed, ₱ lb	8 @ 10

Groceries, Etc.

Sugar, crushed, ₱ lb	17½@ 18
Do China	12½@ 13
Coffee, Costa Rica, ₱ lb	23 @
Do Rio	22 @ 23
Tea, Japan, ₱ lb	70 @ 75
Do Green	50 @ 85
Hawaiian Rice, ₱ lb	12½@ 14
China do	9 @ 11
Coal Oil, ₱ gal	55 @ 75
Candles, ₱ lb	20 @ 22
Ranch Butter, ₱ lb	50 @ 90
Isthmus do	35 @ 49
Cheese, California, ₱ lb	20 @ 25
Eggs, ₱ doz	80 @ 90
Lard, ₱ lb	18 @ 19
Ham and Bacon, ₱ lb	18 @ 20
Shoulders	12 @ 14

San Francisco Retail Prices Current.

Butter, California fresh ₱ lb	75 @ 1 00
do pickled ₱ lb	50@ 75
do Oregon	35@ 50
do New York, ₱ lb	45@ 50
Cheese, ₱ lb	30@ 35
Honey, ₱ lb	40@ 50
Eggs, ₱ doz	85@ 90
Lard, ₱ lb	22@
Hams and Bacon, ₱ lb	20@ 22
Cranberries, ₱ gal	1 00@
Potatoes, sweet, ₱ lb	4@ 6
do Irish, ₱ lb	4@ 5
Tomatoes, ₱ lb	8@
Onions, ₱ lb	6@ 8
Beets, ₱ lb	2@
Squashes, ₱ lb	4@ 5
Cabbage, ₱ lb	4@ 5
Cauliflowers, ₱ lb	1 50@
Celery, ₱ doz bunches	1 00@
Turnips do	40@
Parsnips do	50@
Apples, No. 1, ₱ lb	7@ 10
Pears, table ₱ lb	7@ 15
Plums, dried, ₱ lb	10@ 15
Peaches, dried, ₱ lb	10@ 15
Quinces, ₱ lb	7@ 10
Grapes, Foreign, ₱ lb	25@ 50
Oranges, ₱ 100	4 50@ 6 00
Lemons, ₱ 100	5 00@ 6 00
Pineapples, ₱ doz	4 00@ 6 00
Chickens, apiece	50@ 75
Turkeys, ₱ lb	25@
Geese, ₱ pair	4 00@
Ducks, ₱ pair	1 50@
Quail, ₱ doz	2 00@
Wild Ducks, ₱ doz	2 00@ 6 00
Rabbits, ₱ pair	25@
Oysters, ₱ 100	1 00@ 1 25
Fish, Fresh, ₱ lb	3@ 18
Salmon, smoked, ₱	10@ 12

Earthquake.—Quite a smart earthquake shock was felt in this city about eight o'clock on Sunday evening last.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press and other San Francisco Journals*.

Name and Location.	Am't of Assessment.	Day Adv'g Delinq't List.	Day of Sale.
Animas, San Dimas, $1		Jan 7	Jan 21*
Ashland, Arizona, 50c		Dec 17	Jan 3*
Antelope, Esmeralda, $25		Dec 6	Dec 26
Arroyo de los Gatos, 10c		Dec 10	Jan 10
Ariatic, Flowery, $1		Dec 10	Dec 26
Arbitrios, Chihuahua, $2		Dec 10	Dec 24
Alemania, San Antonio, $1		Dec 9	Dec 19
Ashland, Virginia, $1		Dec 26	Jan 6
Argentoro, R. R. 50c		Jan 7	Jan 21
Adriatic	Annual Meeting	Jan 9	
Bay State, Tuolumne, 50c		Jan 14	Jan 28*
Bella Vista, Cacachillas, 65c		Dec 17	Dec 31*
Baltic, Virginia, $10		Sale	Dec 17 Virginia
Bostou Copper, El Dorado co., 50c		Jan 6	Jan 24
Burlington, Napa, 50c		Dec 12	Dec 25
Big Blue Lead, Cove, $2		Dec 5	Dec 22
Bee, R. R., $2		Jan 10	Jan 23
Buckeye, Devil's Gate, $2½		Jan 18	Jan 23
Black Rock Ledge, R. R., $3		Dec 26	Jan 10
Burnside	Annual Meeting	Dec 13	
Comstock, San Antonio, $2.50		Jan 14	Jan 28*
Colorado, Arizona	Annual Meeting	Dec 26*	
Crown Point Ravine, G. H., $2		Dec 24	Jan 7*
Capitola, Santa Clara, 25c		Jan 3	Jan 18
California, Virginia, $12.50		Dec 7	Dec 22
Coral, Amador Dis., 50c		Dec 6	Dec 17
Consolacion, Sinaloa, $1		Dec 10	Dec 23
Columbia, Tuolumne, $2		Dec 17	Dec 28
Chandler, Lyon co., 50c		Nov 25	Dec 28*
Cosmopolitan, Oopher, 50c		Dec 26	Jan 17
Crown Lead, Mariposa, $1		Dec 19	Dec 31
Cinco Senores, Mexico, $2		Dec 21	Jan 9
Cordillera, Chihuahua, $1		Dec 14	Dec 24
Cortez, Lander co., $1		Dec 30	Jan 18
Cole, Virginia, $1		Dec 24	Jan 9
Caldwell, Cove, $2		Dec 28	Jan 12
California Cop. Smelting, Contra Costa, 50c		Jan 11	Jan 21
Central Silver, Virginia	Annual Meeting	Jan 3	
Chimawavo, Colorado, 12c		Jan 16	Jan 29
Crockett Cons., Esmeralda, $1½		Jan 18	Jan 31
Crockett Cons	Annaul Meeting	Jan 4	
Catalina Cons, San Pedro, 10c		Jan 14	Jan 28
Daniel Webster, Sacramento, 15c		Jan 7	Jan 21*
Del Norte Comstock, 45c		Dec 5	Dec 17
Dancy, Lyon co., $2		Dec 8	Dec 27
Durant, Nye Co., $1.60		Dec 27	Jan 14
Dios Padre, Sonora, $3		Jan 13	Jan 25
De Soto, Star, $2½		Jan 14	Feb 1
De Soto	Annual Meeting	Jan 2	
Empress, Gold Hill, $1		Dec 30	Jan 20*
El Toro, Sinaloa, $2		Dec 17	Dec 31*
Emilia, Mexico., 25c		Dec 3	Dec 21
El Tasic, Mexico, $2.50		Dec 18	Dec 30
El Dorado, Virginia, $2		Dec 5	Dec 21
Empire T. & M., Humboldt, $2		Nov 29	Dec 17
Ethan Allen, R. R., $1		Dec 5	Dec 19
Empire M. & M	Annual Meeting	Dec 21	
El Partento, Guerrero, $1.20		Jan 3	Jan 13
El Dorado, Virginia	Annunl Meeting	Jan 4	
El Alamo de San Antonio, 1$		Jan 3	Jan 17
Fortune, Mineral Spring, 50c		Jan 7	Jnn 21*
Fork, Calaveras, 25c		Dec 10	Dec 26
Franco Americana, San Antonia, $1		Jan 14	Jan 28
George Washington No. 1, Silver Mt., $2.50		Jan 21	Feb 4*
Good Hope, Alpine, 25c		Dec 3	Dec 17*
Gobernadora, Lower Cal., $1		Dec 5	Dec 17*
Green, Gold Hill, $1		Dec 16	Dec 31
Gold Rock, Calaveras co.,	Annual Meeting	Jan 6	
Gold Hill Tunneling, $1		Dec 31	Jan 17
Golden Ark, Mariposa, 10c		Dec 3	Dec 17
Gould & Curry	Annual Meeting	Dec 19	
Gold Rock, Calaveras, 50c		Jan 9	Jan 24
Guasaparis, Mexico, $2		Jan 19	Feb 8
Hale & Noreross, Virginia, $25		Dec 10	Dec 28
Hanscom, Del Norte	Annual Meeting	Dec 21	
Humboldt Canal, Humboldt co., $3		Jan 3	Jan 21
Harmon, El Dorado co., $1		Jan 9	Jan 21
Hawley, Devil's Gate	Annual Meeting	Jan 2	
I X L, Alpine co., $3		Dec 2	Dec 22
Josephine, Coso, $1		Dec 21	Jan 5
Jewel, D G., $1.50		Dec 27	Jan 9
Keokuk, Clayton, 10c		Jan 7	Jan 23*
Kentucky Copper, Madame Felix, 50c		Jan 18	Feb 7
Kern River, Cove, $1		Dec 28	Jan 12
Kohler Brothers, San Antonio, 50c		Jan 13	Jan 26
Lancaster, Como, 50c		Nov 26	Dec 14*
La Candelaria, San Dimas, $5		Dec 10	Dec 24*
Las Churcas, $50		Nov 17	Nov 28
Lady Bryan, Flowery, $5		Dec 6	Dec 20
La Fernandez, Hermosillo, Mexico, $3		Jan 13	Jan 23
La Blanca, Ures, $2.50		Jan 13	Jan 25
Lady Bell, Low Divide, 10c		Dec 19	Dec 30
La Palma, San Antonio, 50c		Dec 12	Dec 23
Lotus, Gopher, 26c		Dec 23	Jan 7
Mountain, Silver Mountain, $2		Jan 7	Jan 15*
Mammoth, Silver Mountain, 50c		Jan 14	Jan 28*
Melones and Stanislaus, Calaveras co., $2.50		Nov 28	Dec 19
Mechanics, Clayton, 5c		Jan 7	Jan 23*
McElroy, Lyon co., 50c		Nov 25	Dec 28*
Mammoth, Rock Spring, 60c		Dec 24	Jan 9*
Monster Cons., 60c		Dec 24	Jan 6
Musidora, San Antonio, 50c		Dec 3	Dec 17
Mina Rica de Las Flores, Calaveras co., $1		Jan 17	Feb 6
Morning Star, Alpine, 50c		Jan 9	Jan 20
New Year Diggings, Tuolumne, 50c		Jan 14	Jan 28*
New Era, Cop., Tuolumne co., 25c		Dec 24	Jan 7*
Nuestra Senora de Guadalupe, Julisco, $5		Dec 7	Dec 22
Nuestra Senora de Guadaloupe	Annual Meeting	Dec 19	
Nuestra Senora de Guadaloupe, Durango, 50c		Jan 14	Feb 1
Nevada Coal, Humboldt, $1		Jan 17	Jan 28
Nonpariel, Tuolumne, $5		Dec 24	Jan 9
North Star, R. D., $1		Dec 12	Dec 23
Nevada, J. G., $10		Sale	Dec 30 Virginia
New Year's Diggings, Tuolumne co.	Special Meeting	Dec 28	
Nacosari, Sonora	Annual Meetinng	Jan 3	
Oxford Beta, Esmeralda, 50c		Dec 10	Dec 28*
Ontario, R. R., 25c		Nov 19	Dec 17*
Overman, $50		Levied Nov 19	Gold Hill
Ophir	Annual Meeting	Dec 21	
Owens River Inyo, $3		Jan 11	Jan 28
Pena Silver, Lower California, $3		Aug 20	Jan 31*
Patrocinia & Dolores, Chihuahua, $1		Jan 13	Jan 25
Pioneer M. & M., D. R., $3		Dec 26	Jan 10
Point Arena Petroleum, 50c		Dec 26	Jan 7
Ptumhago	Annual Meeting	Dec 21	
Peninsula, San Antonio, $10		Jan 17	Jan 30
Peninsula	Annual Meeting	Jan 3	
Planet, Arizona, $1		Jan 12	Jan 25
Rose, Mariposa, 25c		Jan 13	Jan 25*
Roger's, Flowery, $2		Jan 5	Jan 23
Ruba, R. R., $1		Dec 24	Jan 9*
Real del Monte, Esmeralda		Sale	Dec 26
Rancheria, San Antonio, 50c		Nov 25	Dec 16
Richland	Annual Meeting	Dec 19	
Refugio, Chihuahua, $2.50		Dec 5	Dec 17
Rancheria	Annual Meeting	Dec 19	
Roxby, G. H., 50c		Jan 6	Jan 19
Real del Minas, Lander co., $1		Jan 6	Jan 18
Rayas, Ventanas, 50c		Jan 21	Feb 2
Rhodes Diggings, $1		Jan 19	Feb 2
Rochester Cons., Slate Range, $1		Dec 14	Dec 30
St. Clair Cons., R. R., $1		Dec 17	Dec 31*
Silver Prize, Silver Mountain, 15c		Dec 17	Dec 31*
Santa Cruz, Petroleum, 12½c		Dec 3	Dec 17*
Smoky Valley, Lander co., $1.50		Dec 24	Jan 7
Silver Circle, R. R., $2		Dec 22	Jan 7
San Lorenzo, Santa Cruz, 50c		Dec 17	Jan 2
Sierra Valley, Plumas co., $1		Dec 14	Dec 24
Stephen A. Douglas, R. R., $1.50		Dec 8	Dec 23
Southern Light, R. R., 50c		Jan 2	Jan 15
Sweet Vengeance	Quarterly Meeting	Dec 19	
Sheba, $15		Dec 29	Jan 14
San Nicolas, Durango, $2		Dec 27	Jan 10
Shoshone, Lander co., 50c		Dec 28	Jan 12
Sonoma Ledge, D. R., $1		Jan 4	Jan 19
San Francisco, Moss Ledge, $1		Dec 17	Dec 29
Smith & Martin, R. R., $5		Jan 9	Jan 19
Sierra Cons., 20c		Jan 14	Jan 30
Siskiyou, 50c		Jan 12	Jan 14
Tallulah, Sierra, $2.50		Dec 10	Dec 24*
Table Mountain Copper, Calaveras co., $1.25		Dec 3	Dec 22
Tuscaran, R. R., 50c		Dec 17	Jan 5
Tresoro & James River Cons., R. R., $4.50		Dec 3	Dec 19
Trinadad & San Jose, Sinoloa, $10		Dec 26	Jan 15
Techattacup, Arizona, 12c		Jan 3	Jan 23
Toledana, Mariposa, 25c		Dec 15	Dec 26
Triunfo, Lower California, $2		Jan 12	Jan 24
Troy, R. R., $2		Jan 13	Jan 25
United States, Virginia, $1		Dec 24	Jan 7*
United States	Annual Meeting	Dec 26*	
Utah, $12.50		Dec 11	Dec 29
Uncle Sam, $100		Levied	Dec 3
Uncle Sam	Annual Meeting	Dec 19	
Wilson, Garden Bar, 50c		Dec 3	Dec 17*
Whitlatch, R. R., $5		Dec 16	Dec 28
Wide West, Esmeralda, $5		Dec 23	Jan 9
Weaver, Sonora, Moxico, $1.50		Jan 8	Jan 19
Washington, R. R., 50c		Jan 18	Feb 2
Yuba, $2		Dec 28	Jan 11
Yankee Blade, R. R., $5		Nov 25	Dec 13

*Those marked with an asterisk (*) are advertised in this journal.

Practice vs. Theory.

Editors Mining and Scientific Press:—In an article in your last issue, headed "False Premises," I see a few errors, which need correction. The miners' inch is very generally adopted in this State to express the discharge of a certain quantity of water through an aperture one inch square, under a head or pressure of six inches, measured directly at the orifice to its center. According to Weisbach (Amer. edition, bk. i., p. 368), the formula which gives the discharge corresponding to one inch of water, miners' measure, is as follows:—

M = the coefficient of efflux;
a = the depth of orifice;
b = the breadth of orifice;
g = the acceleration of gravity;
h = the head of water.

M, a. h. (2gh) ½ = 0.64 . 1-12 . 1-12 (2. 32-2 . ½) ½ = 3.73-144 cubic feet per second, or 2,685 cubic inches per minute, which is only 64 per cent. of the amount given by the writer of the above communication, showing that he made no allowance for friction or contraction, giving a mere theoretical result. If the writer of the above article had to buy the water of any of our ditch companies, he would find to his chagrin that he could only do 64 per cent. of the work he calculated to with the water at his disposition. The result of the above hydraulic formula corresponds very well with practice, as experiments with the view of ascertaining the truth of the formula, for practical purposes, by a ditch company in Nevada county, seven years ago, have fully demonstrated. The committee of awards on pumps, waterwheels, etc., could not have investigated the mechanical effect of Hansbrow & Redding's water-power engine very closely to give a statement to the effect that one-horse power could be obtained by the use of every inch of water (miners' measure), under a head of 200 feet, by the above machine. One inch of water, with a head of 200 feet, can give a theoretical result (considerably below a practical one in this case, on account of loss of head by friction, shock, entrance, curves, etc.,) of 3.73-144x62.5x200 = 323 pounds in a second —*i. e.*, nearly 6.10 of a horse-power.

Allowing an efficiency of 70 per cent. a high one for a water-pressure engine, an inch of water cannot perform more than 0.7x0.6 = 42-100 of a horse-power, when expended by the machine under the above pressure.

G. F. Deetken.

There is a wooden railway in New Zealand, over which an eight-ton engine has made four thousand eight hundred trips in five months, drawing loads of thirty to forty tons, with so little friction as not to efface the saw marks on the rails.—*Exchange.*

If the above is true, the New Zealanders must be far ahead of the "rest of mankind" in the practical application of mechanics, or else they must have a very superior quality of wood at their command.

The science that could teach many men to forget, would be more welcome to them than all the trickery of Mnemonics.

There are about nine thousand soldiers in the service of the United States upon this coast.

Communications.

In this Department we invite the free discussion of all proper subjects—correspondents alone being responsible for the ideas and theories they advance.

VIRGINIA CITY CORRESPONDENCE.

BY OUR LADY CONTRIBUTOR.

I write under a cloud to-day, and I fain would throw aside pen and paper, and betake myself to a stroll in the street, or do anything which would promise to break through the monotony of this hum drum house existence. For a whole week I have been caged in my board and canvas walls, and have scarcely ventured to peep forth, and all for a good reason; the weather said nay.

Thanksgiving was respected by Virginians by the closing of business houses, the donning of Sunday-go-to-meeting toggery, and the gobbling up of innumernble gobblers. The pealing of the church-bells called my wandering feet to one of the several houses of divine worship which honor our moral city with their presence, where I had my patience called into requisition in listening to a sermon "as was a sermon," and, feeling that I had returned sufficient thanks for the blessings conferred on me—in taking the breath from the minister and forcing him to stop talking—I hurried home to partake of a "thanksgiving dinner" gathered up in Mrs. Smith's inimitable style. When the shades of evening had fallen, the cheering notes of the violin, the busy shuffling of feet, and the merry laugh of the dancers, lured me into the giddy mazes of the dance, and 'twas "i' the wee sma' hours" before found myself securely ensconced in bed. This was all very nice, but old Boreas, out of spite for our Thanksgiving enjoyment, "let himself loose" on the subsequent day, and whirled down from his mountain fastnesses on our devoted city, overturning cabins, smashing signs and awnings, lowering big people, carrying loose articles, women and babies, before him, and playing havoc with old women's crockery-ware. When he was played out, he gathered the clouds, and the rain came down in torrents for two mortal days, flooding streets, cellars and houses, and making things agreeably slushy everywhere. And yet the controller of the weather had not handed in all his checks, and we poor mortals had not done sufficient penance for our Thanksgiving follies; for no sooner had the rain ceased coming, than a veritable Washoe snow storm set in with all imaginable fury, whirling and drifting in eddies until our main streets were almost impassable, and the very few pedestrians were loth to venture far from shelter and the fireside. Washoe has not before witnessed such a violent storm for some years, and business was generally suspended during its prevalence. Many of our mines were obliged to stop operations for the time; as it was, and is yet, impossible for quartz teams to haul to the mills; the wires, east and west, were down, the stages were delayed, and we were left "in the dark" as to Sherman's intentions, and we poor women have not ventured forth to show our balmorals and pretty feet to the admiring crowd of bummers; our beaus failed to make their appearance, gossip and scandal soon became exhausted, and we had recourse only to yawning and venting our spleen on all who came within hailing distance. What misery was ours?

Everything is so dreary and so solitary here that it makes one feel homesick in spite of themselves. Look where you will, the eye can only behold mountains robed in misty snow shrouds. Looming far above our city is sullen Mount Davidson, stiff and stark, with his wintry robe wrapped so closely around him as to throw out his angular form in bold relief against the cloudless dome, and with his loftiest peaks hidden in drifting clouds of glittering snow; the Cedar range, the Sugar Loaf, the grim mountains of Como, and the distant Desert range, all present the same corpse-like appearance. Not a human habitation is visible, not a single object suggesting life or animation, appears to break the drear silence, the painful solitude, which enwraps their lifeless forms with even more mystery than does their ghostly shrouds of snow. I turn from gazing on them with a shudder of loneliness, and long so much for the sweet clime, the distant sky, so etherial and so fathomless in its depths, and the verdure crowned hills of the American Naples; aye, even for the sage brush and alkali dust in preference to this grim, ghostly solitude. But I wander.

Having been deterred by the inclemency of the weather from making my usual tour among the mines, I am ignorant of any changes that may have taken place in their *status*, and must confine myself to other matters in my present letter.

MINING ABUSES—INCOMPETENT SUPERINTENDENTS.

Many of our enthusiastic feet-holders will scout the idea of there being mining abuses in in Washoe, and methinks I perceive some of our mining experts (so-called) raise their hands and roll their eyes in astonishment at the bare idea of a lady so far forgetting her subordinate position in the world's society as to criticise the motives and actions of our mining wiseacres and great "I ams;" and the whisperings of our Washoe zephyrs bring such gratuitous epithets to my ears as "strong-minded," "blue-stocking," and others yet more flattering. Now, my dear sirs, I do not profess to have sufficient nerve to entitle me to any of these cognomens; if I had, I would be better pleased, perhaps, but instead I am a very small and a very poor specimen of "earth's angels," and am, perhaps, the best definition of "good-for-nothing" that can be found; and I am responsible for what I say, from the fact that I do not yet possess a stern six-footer to be accountable for my wilful pranks, and take up the gauntlet at my bidding. Considering my lonely and unprotected condition, I may be a little foolhardy in stepping out from *our* sphere of minding babies, mending garments, and knowing nothing beyond man's will, to indulge in common sense talk; but when I take a notion to have my "say" on any subject I generally have it, despite the frowns of pious damsels of an uncertain age, and spectacled pedants who know everything that is to be known and considerable that is *not*.

I am glad to find that many changes for the better have taken place in mining affairs during the past year, and these changes give the gratifying assurance that we are becoming educated, though at a heavy outlay, and we begin to see the folly of many of our dogmatical views on mining affairs. My first visit to this region was during the spring and summer of '63, when the mining fever was at its hight, and then, all that was deemed requisite was to stick up a notice on the most convenient point of rocks, call it the "Invisible Silver Brick," or the "Can't See It" ledge, squander several thousand dollars of the shareholders' money in erecting a large sign with the name of the claim painted thereon in gilded letters, and with extensive flourishes, at some prominent place, and make a show of work, and then advise your friends to purchase a few feet from you at a thousand dollars, more or less, per foot. As a natural result of this line of policy, the stock market was glutted with "wild-cat," to the exclusion of much really valuable stock; people were induced to invest the little they had laid away for a "rainy day" on the strength of glowing reports from Superintendents and *experts*, and gratifying assays of rock of which thousands of tons were "in sight"—they forgot to add "in some other mine"—expecting to realize a fortune; and, after paying assessments without number, until their pockets were emptied, finding the rich divideuds yet existing only in promises, and the stock depreciating, is it any wonder that they began to lose confidence in Washoe and her mines. On the very few mines that were vigorously prospected the work was done in such a bungling manner as to benefit neither owners nor miners, and much of it was or must be necessarily abandoned. As we sow so must we reap; we sowed the seeds of a panic and a panic was the result. Stock depreciated, people lost confidence and could not perceive merit in even our most flourishing mines, and sacrificed the valuable with the worthless. Some lost fortunes by the collapse and were financially ruined; others were crippled in business; while all lost more or less severely. But we less, to pay expenses of developments. Polished boots, spotless gloves, and an immaculate toilet need never be soiled by entering the mine; such *trouble* is altogether unnecessary. Do you think the picture overdrawn? Visit us and "take notes" for one week, and you will leave convinced that I have done but poor justice to it.

without a grimace, and with our indomitable pluck and constitutional vigor we are fast convalescing. Our experience has cost us dearly, but there is consolation in the knowledge that we might have continued on in our mistaken ways for another year, and until our resources were so crippled that we could not have recovered from the shock.

But is there nothing to fear in the future? During a recent conversation with a well known mining operator, he expressed the view that "our mining interests had suffered from their last check, and there were no more evils to be apprehended; the course of our mines, hereafter, was undoubtedly one of glorious success." With all due deference to this high authority, I am honestly of the opinion that our mining interests are fast hastening to an era of evils which will require all our mining talent and ability, and the closest care and watchfulness of our incorporate bodies, to safely extricate us from; indeed, I may go so far as to say we are at present suffering from the effects of some of those evils, but in our own selfish egotism we shut our eyes to the fact.

Let us look for a moment at the management of our mines. In the superintendent we find the embodiment of the corporation; it speaks and acts through him, and the shareholders and people at large look to him for the prosperity of the mine. He has complete control of the mine, and directs all the operations thereon; he employs the necessary laborers, and instructs the making of improvements, the running of drifts, sinking of shafts, and the extraction of ores; in a word, he is supposed to carry on the mining operations in such a manner as will best advance the interests of the shareholders, and increase the value of the mine. To be competent for his responsible position he must be so thoroughly informed as to the *theory* of mining that he may be acquainted with the rules and reasonings which apply to the formation existing, its character and peculiarities, and he must be a *practical* miner, that he may apply these theoretical rules correctly, or judge of their incorrectness, and that he may understand the method of working advantageously and employ experienced laborers who will know how to take advantage of the peculiarities of formation in working, and conduct operations economically and systematically. With theoretical knowledge, *alone*, he may make expensive improvements and prosecute such work that, with practical knowledge, he would have avoided, or, at least, have completed with much less outlay. With practical knowledge, *alone*, he may make such developments that, with theoretical knowledge, he would have learned were not warranted by the prospects and character of the mine. He must understand the principles involved in the sciences of geology, chemistry, mineralogy and metallurgy. I do not mean that he should be an *adept* in these sciences, but I do mean that he should have sufficient knowledge of them to understand the character of a mineral lode and decide on the continuance, etc., of its metalliferous deposits, how to extract and select the the ores and ascertain their character and value, and understand the principles involved in their reduction, that, if necessary, he may superintend their working. And lastly, he must be a thorough business man, affable and gentlemanly, yet dignified, in his intercourse with his employees, punctual to business engagements and honorable in his dealings. That we have very few superintendents of mines possessing *all* of these qualifications, all will agree; that we have many possesssing *none* of them is a well known fact; and yet none will differ with me when I say that upon the superintendent rests in a very great degree the prosperity of the mine and the pecuniary success of the shareholders.

And what are the qualities which are looked for, and are deemed almost indispensable in a mining superintendent of the present day? In concise language, foppish dress, a flashy air, a fast team, several fancy women, costly establishment, an acquaintance with all the fast men and women of this fast community, sufficient knowledge to write a letter made up of flattery, hopes, promises and untruths, and a monthly demand for twenty thousand dollars, more or weathered the storm and are again ourselves, though crippled and in a sorry condition. Our mining men saw the necessity of a change of policy as the only remedy, and, though it were the "plucking out of a right eye," we adopted it.

Is it then to be wondered at that costly tunnels have been driven and shafts sunk for which, when completed, no use could be found; that machinery has been ordered and paid for which is inapplicable for the purpose required, or, indeed, for any other purpose; that palatial residences have been erected and furnished in magnificent style for the accomodation of dissipated officers, and their dissipated attaches, to be paid for from the pockets of the shareholders; that our largest and handsomest mill stands, to-day, a monument of folly; one of our most noted mines threatens every day to tumble in and destroy improvements, and bury in its ruins many human lives; another of our richest mines has never paid a dollar for investments, and is yet heavily in debt—from what reason except incompetent management no one who examines its rich deposits can answer; and yet another of our mines has its stock trebled in value through the report of a mistaken or an ignorant superintendent, thus swindling many unsuspecting victims? And thus might I enumerate instances of the same character to the end of the chapter; and it is a long chapter.

Do you wish to have a view of the other side? You have it in the palpable fact of one of our mines increasing its dividend fifty per cent shortly after the employment of an *experienced* superintendent; of another, which, under the management of a kid-gloved *miner*, was reported worked out, and its ores did not pay milling expenses alone, yielding, after a single month's care from a *practical* superintendent, one hundred tons of rock per day with an average yield of eighty dollars per ton; and of yet another, after its shareholders were discouraged and had given all up as lost, making a startling, and what has proved a successful, defense against the onsets of the Comstock combination through developments made by a *veteran* manager.

And what conclusions are we to draw from these facts? Simply, that if we wish to avoid another crisis in our mining affairs, a change of policy, and a change in government of many of our mines, must be immediately inaugurated with capitalists and mining men. They must learn that mining is a science, and a most intricate one, which requires *considerable* theoretical and *extensive* practical experience to master; they must do away with their butcher, baker, broker, and gentleman superintendents, who may understand the principle involved in their several trades, but, in many instances, do not know a silver lode from a granite peak, and even cannot recognize silver unless when it bears Uncle Sam's stamp; and they must abandon their expensive experiments which are so many reminders of the folly and ignorance, or gullibility, if you prefer it, of Washoeites. To make our mines profitable they must be worked on a system and to a purpose beyond that of squandering money and getting a fictitious valuation on our stocks; and to effect this we must have superintendents of large mining experience and acknowledged ability; men who will work our mines energetically and yet economically, and for the benefit to be derived from them. Until mining men see the importance of these truths and act upon them, our mining stocks will be a fruitful source of foolish hazard. I will have more to say on mining abuses in future communications.

POTOSI VS. BAJAZET.

The decision in this important case has been rendered by Judge Mesick, the referee before whom it was argued, in favor of the Bajazet, and denying the injunction asked for by the Potosi. The decision is agreeable with popular opinion, and, I believe, with justice, and it

bears much additional importance from the fact it materially affects the "one-ledge" theory, and it is the first (may it not be the last) victory gained over the Comstock annconda. All opposed to the one-ledge theory, and they are n very large majority of our population, are of course jubilant, and Bajazet is in the ascendant. The result has crowned the veteran miner and superintendent of Bajazet, Cummings Cherry, with new laurels; nnd he deserves them, for it is in a great measure owing to his indefatigable exertions, and the masterly manner in which he conducted developments and exposed the one ledge fallacy, that the victory has been secured.

The "typos" made sad work with many of my pet ideas in my last communication; as, for instance, they made me say our judges were men of "stern proclivity." Now *that* may be so, but my manuscript had it "stern probity," and with all due de'erence I prefer my way of expressing my exalted views of the gentlemen. Other typographical errors occurred, but a word to the wise, etc. FLOY FAVORITE.

Virginin City, Na., Dec. 3, 1864.

Rules for Constructing Cone Pulleys.

EDS. MINING AND SCIENTIFIC PRESS:—Last week you kindly gave me an opportuaity, through your columns, to have a growl in general at the absurditics sometimes put forth by inventors, and a growl in particular nt the absurdities put forth in the late "Report of Committee of Awards on Water Wheels, Hydrostatic Engines, etc.," exhibited at the late Mechanics' Fair; and now, sirs, I ask the privilege of sending another growl, through the medium of your valuable journal, at the *Scientific American*. I see, in a late number of that paper, what purports to be "a simple rule for constructing cone pulleys," signed "H. Mechanic." Now, I like simple rules, but this pleases me too well, for it is so simple that it wout "fill the bill." H. Mechnnic's simple rule is to add together the diameters of one pair of pulleys in the cones, nnd make the two pulleys of each of the other pair so that the sum of their diameters will be equal to the sum of the diameters of the first pair, without any regard to the difference in the size of the pulleys formiug the pair.

That is, if one pair of pulleys in the cone should be each twelve inches in diameter, then the sum of their diameters is twenty-four inches; nnd if there is to he another pair so proportioned as to give one shaft three revolutions to the other shaft's one, and being coae pulleys, of course to run with the same length of belt that rims the pair of equal diameters, one pulley (according to H. Mechanics' simple rule) must he six inches in diameter and the other eighteen inches, which, being added together, equals twenty-four iaches, the diameters of the two first. That principle, Mr. Mechauic, woat do; and in showing you why it won't do, I will try and do it in such a way that any mechaaic will see the principle involved, and will then be able to construct his cone pulleys without the aid of simple rules.

Suppose the shafts on which the cone pulleys are to be placed are ten feet apart, from center to center, and suppose that one pair of pulleys in the cone are to be equal, so that when the belt is on them the shafts will make an equnl number of revolutions, and suppose the diameter of these two pulleys to be six feet each (in this illustration I will leave out the exact measurement in fractions of a foot, or inches, to avoid confusion, as the sizes are only introduced to explain the principle, nor will I make any allowance for the sag of the helt). Then, a helt to run these two must be thirty-eight feet ten inches—that is, twice the distance between the shafts, which are ten feet apart, and half the circumference of the two pulleys, which is eighteen feet ten inches, making thirty-eight feet ten inches length of belt reqnired. Now, suppose, nnother pair in these same cones are to be so proportioned that, while one shaft makes one revolution, the other must make eleven. Now, if we make one of the pulleys one foot in diameter, and the other eleven feet, we will have the required proportion of size between the two; but will the same belt, which fits the first pair, do for this pair also? certainly not, if they are made as above indicated; for it will require two feet more of belt for the last pair than for the first; for the difference in the length of belt must be just twice the difference between the long base and the hypothenuse of a right angle triangle, the long base of which is ten feet nnd the short base or perpendicular is five feet; so we find that our belt is too short by more than two feet. But lengthening of the belt is not the remedy, for then it would be too long to fit the other pulleys, the size of which is already fixed. The remedy is in reducing the size of the last pair, which reduction must be just sufficient to allow the belt to fit, taking care to reduce each pulley in the proper proportion, so that in size they may remain to each other as one to eleven—taking eleven inches from the larger for each inch taken from the smaller.

In this case, as our belt is too short by a little more than twenty-four inches, we must reduce the circumference of the small puller by a little more than four inches, and that of the large pulley, that matches it, by a little more than forty-four inches, still leaving the proportion as one to eleven, making the belt thirty-eight feet ten inches long fit both pair of pulleys. Should other pairs of pulleys be in the cones, the same principles apply; that is, Mr. Practical Mechanic, after getting the sizes of all your pulleys in the cones (according to H. Mechanic's rule), first find the length of belt required for the pulleys nearest even, and then find how much too short it is for each of the other pairs and reduce their sizes to fit, without changing their relative proportion. That is, if one pulley is three times as large as its mate, then take three times as much off of it as off of its mate, and so on. The exact length of belt and size of pulley may be found either by calculatioa, or what is far better in ordinary practice, by a diagram and measurement on a board, table, or floor, and the same as you would get the length and pattern for a rafter or brace, viz: mark the distance apart of your shafts, then scribe out the size of each pair of pulleys in the cones, then find the length of belt required on the pair nearest of a size, and reduce the sizes of the others so that the same belt will fit them all, and your work will be sure to be right when finished, which is more than can be said for most cone pulleys.

T. McA.

Reply to Mr. Gabb.

SHASTA, Nov. 30th, 1864.

MESSRS. EDITORS:—In your issue of November 26th, I am accused by Mr. W. M. Gabb, of replying to his opinions which you published some time ago, in an indignant manner. If correcting a man's false impressions and erroneous opinions, by telling him the truth and showing wherein he is in error, can be construed into anything that is indignant and disrespectful, I must plead guilty. My only design, however, was to correct the false impressions and statements published, which, if not contradited would have a teadency to injure the just reputation of Pueblo district. It would appear as though either Mr. Gabb or myself, do not understand the first principles of Geology, or the nature of the rocks and ledges which form the Pueblo mountains. As we differ in our opinions, he regrets that our views should be so much at variance, nnd, to justify himself he says, "I saw all that I could, or nt least enough of the mountain."

By this, I presume, he means he saw all that he wanted to at a distance, and this, by visiting one or two ledges of the hundreds that were exposed on the mountain, was enough, in his opinion, on which to form correct views and publish true statements of the value and extent of Pueblo district.

In the first place, he should have denied my statements of facts, to make his reply more plausible; but he did not, and only evaded the question at issue, by asserting that not having seen any of the gold bearing rock, it is only fair to suppose that it must have been discovered since his visit. Let me assure him, positively, that it was not discovered since his visit. Mr. Gabb did see the rock which was gold-bearing, for I went down to the chloride series with him, in company with another geologist of Col. Drew's expedition, and two other gentlemen. This fact I stated in my former article which he did not deny.

Here let me also assure Mr. Gabb that the ore sent to San Francisco last month, was taken out of the very identical hole from the ledge on the chloride series we visited together, and from which he carried away rich specimens. It is a fair conclusion then, that he did not test the rock at all; for the rock was tested there by a Mr. S. Willey, n metallurgist, who was in company with the expedition, and who, after making many assays from different ledges, from one end of the mountain to the other, pronounced Pueblo mountain to be the richest in minerals, from its croppings, that he had ever seen. Then this controversy resolves itself into one of two things; he either was idle and did not endeavor, by experiments, to inform himself, and mistook his calling, or else he ingenuously misrepresented Pueblo district. This conclusion is fair and irresistible. For further proof of my assertions I will refer Mr. Gabb to Gabriel Zwicky, Secretary of the Pueblo Mill and Mining Company, nt No. 304 Montgomery street, who acted as agent for our company and advanced $123 per ton on the rock which was shipped to Europe. Does this look as though the amount of silver and gold is so small that the Pueblo district is practically valueless for the present? After all, with what I have said with accompanying proofs, he still sticks to it, and reiterates his opinion heretofore expressed, as to the apparent value of the district. How true it is that when you—

> "Convince a person against his will,
> And he's of the same opinion still."

In concluding his epistle, he replies to my communication in n very sarcastic manner, saying that Mr. Godfrey should certainly be more familiar with the region than myself; but since he is the reputed owner of several thousand feet, I leave it to yourself whether or not his opinion should not be taken "*cum grano salis*," by which I presume he means—taken for what it is worth. As I do not pretend to be a Latin scholar, in reply, I will say, I am the reputed owner of only four claims by location, and one by purchase, and have never offered any for sale. In conclusion, I will only add, that if Mr. Gabb was as familiar with geology as he pretends to be with the Latin language, he never would have advanced such an opinion without first knowing the certainty whereof he speaks, and giving the reasons for the faith that is in him in regard to the matter.

GROVE K. GODFREY.

VIRGINIA CITY CORRESPONDENCE.

BY A SPECIAL CONTRIBUTOR.

EDITORS MINING AND SCIENTIFIC PRESS:—Since writing my last letter, we have had a heavy fall of snow, causing for a short time an almost total suspension of business. The roads have been nearly impassable, and for a few days some of our principal mines were obliged to stop work, owing to the impossibility of hauling away the ore. But the snow is nearly all gone now, and ere this reaches you, all will be merrily at work again. We, in Nevada, are well content to suffer a little temporary inconvenience when we think of the effect that the rains will have in California. Their importance to that State cannot be over estimated, and the good effects which will spring therefrom in the increased production of the mines, and the certainty of a prosperous season for the agricultural class, and the stimulus which will be given to business in general, cannot fail to re-act very beneficially upon our mining interests.

With respect to mining developments there is very little to notice. The Savage company continues to raise from 150 to 200 tons per day. The Challar is raising about 150 tons per day, of an average assay value of about $60. A breakage in the pumping machinery at the Ophir, set them back a little, in the work of draining the mine, but they are now at work again. At the Sierra Nevada they are commencing to drift north on a seam of promising quartz, and there is every probability of success attending their investigations in that direction.

The decision of Judge Mesick in the case of the Potosi Company *vs.* Bajazet was delivered last Saturday. By the following paragraph from the Sacramento *Union*, it would appear to have been made known to some parties before it was rendered:

"NEWS IN ADVANCE.—A decision was rendered on Saturday afternoon in Nevada by Judge Mesick, in the Potosi *vs.* Bajazet. The import of the decision seemed to have reached this city before it was rendered on the Eastern slope, as on Friday afternoon, and Saturday morning, Bajazet stock rose from ten to fifty dollars per share."

As the decision is being reconsidered in the District Court before Judge Burbank, I will refrain nt present from making any remarks upon it, and would merely observe that if the facts above refered to are correct, they demand the strictest investigation. By the dullness which has purvaded the share market in San Francisco, during the past week, and the depreciation in most of the leading stocks, which has taken place, I am led to infer that confidence has been considerably shaken by this inaugural act of Judge Mesick. I only hope that I shall not have to take back an expression I made use of in my last letter—"an irreproachable judiciary."

Immediately on the decision being rendered, both companies started to work, but on the Monday morning, a cave of n wall built in a most slovenly manner by the Challar company, completely destroyed the engine house of the Potosi. The engine and boiler fortunately escaped uninjured and before this is in type, they will be running again. Meanwhile, McKay has diverted himself by restraining the Bajazet company from hauling away any ore, and has turned the tables on them completely.

I was very much amused with the letter of your correspondent, F. A. H. on the "Formation of Metallic Veins," which appeared in your columns a week or two ago. I have neither time or inclination to follow him in all his airy flights through the book of Genesis, nnd the Stocktonian hallucinations of O. W. Easton, but I would respectfully recommend him to study some good work on Geology—say De la Beche—and learn therefrom something of the various forms in which mineral substances occur in nature, of which at present he appears to be in such total ignorance. Has he ever heard, I would ask him, of the isolated nodules of iron pyrites so common to the chalk formations; of shells, deer-horns, and plants, whose original component parts have been entirely replaced by ores of lead, copper, tin and iron; of abandoned mines in which, on being reopened after a long lapse of years, fresh deposits of minerals have been found "growing"—if I may use such a term—on the walls of the vein? When he can prove to my satisfaction that they are all due to igneous action, then I will believe in the igneous theory of the formation of metallic veins.

Virginia, Dec. 12th, 1864.

A NEW GUN METAL.—A letter in the London *Times* from a distingnished English metallurgist, gives some interesting particulars respecting the new gun metal, lately invented in Austria by Baron von Rosthorn. The new alloy, which has received the name of "sterrometal," from a Greek word signifying tough or firm, is composed of copper, spelter, iron, and tin, in proportions that may be slightly varied without much affecting the result. In color it resembles brass rather than gun metal; it is very close in its grain and free from porosity. It is possessed of considerable hardness and will take a very fine polish. Several eminent Vienna engineers have tried it for the cylinders of hydraulic presses with great success. The writer gives it as his opinion that the days of wrought iron are numbered, and that its place will be soon supplied by steel in some form or other.

MORE DISCOVERIES OF PRECIOUS METALS.—New discoveries of gold and silver-bearing quartz have been made on the western slope of the Cascade range, some forty or fifty miles from Olympia, and the Washington *Democrat* states that the wildest excitement exists among the people of Puget Sound in consequence.

10 shs Burning Moscow at 38 per share.
190 shs Burning Moscow at 39 per share.
10 shs Burning Moscow at 40 per share.
25 shs Burning Moscow at 41 per share.
60 shs Burning Moscow at 43 per share.
60 shs Burning Moscow at 43½ per share.
40 shs Burning Moscow at 42½ per share.
10 shs Burning Moscow at 42 per share, s 10.
50 shs Burning Moscow at 44½ per share, s 10.
10 shs Burning Moscow at 46 per share, b 30.
40 shs Burning Moscow at 45 per share, b 10.
10 shs Burning Moscow at 45 per share, b 8.
10 shs Burning Moscow at 42½@43 per share, b 30.
10 shs Burning Moscow at 45 per share.
20 shs Burning Moscow at 44 per share.
120 shs Burning Moscow at 39@40 per share, s 30.
40 shs Burning Moscow at 42 per share.
10 shs Burning Moscow at 39 per share, s 60.
10 shs Burning Moscow at 41½ per share.

AFTERNOON SESSION.

5 shs Savage at 1575 per foot.
4 shs Gould & Curry at 1465 per foot.
4 shs Gold and Curry at 1465 per foot, r w.
5 shs Lady Bryan at 6 per share.
10 shs Burnside at 6 per share.
20 shs Burnside at 6½ per share.
20 shs Burnside at 7 per share, b 10.
10 shs Bullion, G. H., at 120 per share, b 20.
15 shs Bullion, G. H., at 120 per share, b 10.
90 shs Burning Moscow at 44@45½ per share.
140 shs Burning Moscow at 47 per share, b 10.
120 shs Burning Moscow at 46@47 per share.
8 shs Burning Moscow at 45@46 per share, r w
80 shs Burning Moscow at 46 per share, s 30.
70 shs Burning Moscow at 47@48 per share, b 30.
40 shs Burning Moscow at 44½@45 per share.
30 shs Burning Moscow at 44@44½ per share, r w.
20 shs Burning Moscow at 46 per share, b 10.
Amount of sales.....$108,600 00

Wednesday, December 14.

$5000 U. S. 5-20 bonds at 5t¼ per cent.
$3,000 Legal Tender Notes at 47 per cent.
$15,000 Legal Tender Notes at 47 per cent, r w.
4 shs Hale & Norcross at 300 per foot.
4 shs Hale & Norcross at 300@310 per foot, b 30.
2 shs Hale & Norcross at 275 per foot.
4 shs Gould & Curry at 1450 per foot, s 30.
12 shs Ophir at 430 per foot, b 30.
8 shs Chollar at 975 per foot.
90 shs Sheba at 11¾ per foot.
10 shs Sheba at 12 per foot.
5 shs Sierra Nevada at 25 per share.
10 shs Burnside at 6½ per share.
2 shs Yellow Jacket at 880 per foot.
20 shs Wide West at 9½ per share.
10 shs Imperial at 112½ per share, r w.
10 shs Imperial at 107½ per share, s 30.
30 shs Imperial at 107½ per share, s 30.
3 shs Imperial at 108@110 per share.
10 shs Lady Bryan at 6 per share.
50 shs Burning Moscow at 47 per share, b 10.
210 shs Burning Moscow at 41@45 per share.
60 shs Burning Moscow at 38@42 per share, s 5.
130 shs Burning Moscow at 41@42 per share, b 10.
70 shs Burning Moscow at 39@40 per share, s 10.
60 shs Burning Moscow at 40@41½ per share.
40 shs Burning Moscow at 42½ per share, b 10.
10 shs Burning Moscow at 41½ per share, r w.
30 shs Burning Moscow at 44 per share, b 20.
10 shs Burning Moscow at 45 per share, b 30.
10 shs Burning Moscow at 40½ per share, s 10.

AFTERNOON SESSION.

$17,000 Legal Tender Notes at 46¾ per cent.
$ 1,000 Legal Tender Notes at 46¾ per cent.
4 shs Gould & Curry at 1470 per foot.
12 shs Chollar at 995 per foot.
8 shs Chollar at 1025 per foot, b 30.
22 shs Sheba at 11 5-12 per foot.
10 shs Lady Bryan at 6 per share.
20 shs Golden Age & Empire at 11 per share, b 30.
50 shs Esmeralda at 2½ per share.
10 shs De Soto at 6 per share.
10 shs Bullion, G. H., at 122½ per share, b 30.
5 shs Bullion, G. H., at 112½ per share.
110 shs Burning Moscow at 42@42½ per share.
10 shs Burning Moscow at 45 per share, b 30.
80 shs Burning Moscow at 43 per share, b 5.
50 shs Burning Moscow at 41½ per share, s 10.
50 shs Burning Moscow at 43 per share, b 10.
Amount of sales.....$ 81,722 00

Thursday, December 15.

$10,000 Legal Tender Notes at 45 per cent, 30 ds.
8 shs Chollar at 1000 per foot.
2 shs Potosi at 740 per foot.
4 shs Hale & Norcross at 290 per foot.
14 shs Gould & Curry at 1475 per foot.
4 shs Gould & Curry at 1476 per foot.
12 shs Ophir at 425 per foot.
60 shs Ophir at 420 per foot, r w.
36 shs Ophir at 430 per foot.
60 shs Ophir at 440 per foot, r w.
1 sh Yellow Jacket at 880 per foot.
90 shs Sheba at 18 per foot.
15 shs Lady Bryan at 5¾ per share.
10 shs Bajazet & Golden Era at 20 per share.
10 shs Bajazet & Golden Era at 19 per share.
25 shs Bullion, G. H., at 120 per share.
50 shs Bullion, G. H., at 125 per share, b 30.
20 shs Harmon at 4 per share.
20 shs Burnside at 6¼ per share.
10 shs Wide West at 9 per share.
15 shs Uncle Sam at 130 per foot, s 30.
5 shs Uncle Sam at 130 per share.
110 shs Burning Moscow at 42@43 per share.
70 shs Burning Moscow at 44@45 per share, b 30.
30 shs Burning Moscow at 43½ per share.
10 shs Burning Moscow at 43 per share, s 5.
20 shs Burning Moscow at 43 per share, r w
40 shs Burning Moscow at 42½ per share.
10 shs Burning Moscow at 45 per share, b 30.
10 shs Burning Moscow at 44 per share, b 5.
30 shs Burning Moscow at 41@41½ per share, s 10.

AFTERNOON SESSION.

$10,000 Legal Tender Notes at 46 per cent.
186 shs Ophir at 425 per foot.
372 shs Ophir at 415@420 per foot, s 30.
12 shs Ophir at 430 per foot, b 30.
72 shs Ophir at 425 per foot.
2 shs Yellow Jacket at 825 per foot.
2 shs Overman at 75 per foot.
10 shs Rhodes Diggings at 5 per share.
20 shs Burnside at 6¾ per share.
10 shs Nevada J. G., at 129 per share, r w.
10 shs Burning Moscow at 40½ per share.
20 shs Burning Moscow at 41½ per share.
20 shs Burning Moscow at 41 per share, b 10.
70 shs Burning Moscow at 41 per share.
Amount of sales.....$81,955 00

Friday, December 16.

6 shs Hale & Norcross at 300@310 per foot.
2 shs Yellow Jacket at 840@885 per foot.
24 shs Ophir at 430 per foot.
12 shs Ophir at 445 per foot, 40 d.
6 shs Crown Point at 240 per foot.
50 shs Sheba at 8 per foot.
25 shs Imperial at 112 per share.
55 shs Bullion, G. H., at 125 per share, b 30
5 shs Bullion, G. H., at 120 per share.
30 shs Nevada J. G., at 126@33 per share.
10 shs Nevada J. G., at 38 per share, b 20.
10 shs Nevada J. G. at 37 per share, b 25.
10 shs Wide West at 9 per share.
80 shs Wide West at 9½ per share, b 30.
8 shs Overman at 75@76 per foot.
20 shs Bajazet & Golden Era at 19@20 per share.
425 shs Burning Moscow at 35@38 per share.
90 shs Burning Moscow at 37@39 per share, b 10.
40 shs Burning Moscow at 37 per share, b 5.
90 shs Burning Moscow at 36½@37 per share, s 10.
20 shs Burning Moscow at 38½ per share, b 7.
20 N San Francisco Homestead at 40, b 30.
$ 1,000 Legal Tender Notes at 46 per cent.

AFTERNOON SESSION.

$10,000 Legal Tender Notes at 46 per cent, 30 d.
$20,000 Legal Tender Notes at 45 per cent, 30 d.
$ 5,000 Legal Tender Notes at 46⅞ per cent, s 5.
$40,000 Legal Tender Notes at 45 per cent, s 30.
$10,000 Legal Tender Notes at 46¾ per cent, 3 15.
$ 5,000 Legal Tender Notes at 44¾ cpr cent, s 30.
4 shs Gould & Curry at 1500 per foot, 30 d.
8 Gould & Curry at 1485 per foot, s 30.
36 shs Gould & Curry at 1495 per foot, b 6.
8 shs Gould & Curry at 1478@1482 per foot, s 30.
8 shs Gould & Curry at 1450@1460 per foot, s 60.
150 shs Burning Moscow at 38@39½ per share.
30 shs Burning Moscow at 40 per share.
70 shs Burning Moscow at 39@40 per share, b 10.
10 shs Imperial at 110 per share, s 30.
20 shs Imperial at 115@117 per share.
2 shs De Soto at 6 per foot.
24 shs Sheba at 8¾@8¾ per foot.
5 shs Nevada, J. G. at 35 per share.
Amount of sales.....$122,395 00

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Mont'ly divid'd ₱ ft.	Recent Assessments Per foot	Total Ass'ts ₱ ft
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00		Jan 18, $5; May 31. $5.	$18 75
Baltic	1,800	1	1,800	200 00	—	20 00		July 23 $6; Oct. 12, $10.	45 00
Bajazet and Golden Era	4,000	1	4,000	500 00	19 00	20 00		July 31, $5. Aug. 3, $5.	58 25
Best & Belcher	224	1	896	500 00	200 00	250 00		May 17, $100; Sep 21, $30.	520 00
Burning Moscow	4,100	1	4,100	500 00	35 00	37 00		Jan 19, $15; June 24 $5.	56 34
Burnside	2,800	1	2,800	500 00	5 00	6 00		Feb 16, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	—	750 00	$24		
Buckeye	3,000		2 800	100 00	2 00	3 00		Aug 15, $2, Oct. 21, $3.	23 20
Bullion, G. H.	2,500	1	2,500	200 00	120 00	125 00		Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—	—		July 12, $150 00	
Central	150	12	1,800	500 00	—	600 00		Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	8 00	10 00		May 25, $3; July 12, $1½	19 50
Crown Point	600	4	2,400	1,000 00	600 00	650 00			190 00
Chas. Caney	1,800	1	1,800	30 00	—	15 00		Nov 30, $5; Mar 16. $3.	25 00
Chollar	1,400	4	5,600	800 00	975 00	1,000 00		Jan 25, $60; Apr 15, $50.	320 00
Daney	2,000	4	8,000	60 00	21 00	23 00		Sept 15, $10; Nov 7, $8.	66 00
Desert	2,200	1	2,200	100 00	—	—		Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—		Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	16	1,200	833 00	—	550 00	$25		
Gould & Curry	1,500	4	4,800	500 00	1,485 00	1,495 00	$50		
Grass Valley	4,200	1	4,200	500 00	—	500 00		Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	310 00	320 00		Sept. 13,$50: Nov 8, $50.	475 00
Imperial	184		4,000	500 00	110 00	112 00	$7.50	Dec 22, $12.50 per share.	210 00
Iowa	1,200	1	1,200	1,000 00	—	12 00		Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	6 00		July 19, $3; Nov. 1, $5.	23 25
Lucerne	1,800	1	1,800	500 00	—	—		Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2,000	1	2,000	500 00	—	3 00		Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	—	17 00		Nov 23, $10; Feb 13, $10.	
Nevada, J. G	2,100	1	2,100	500 00	35 00	37 00		July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00		Aug 6,$12½;Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	—	40 00		Sept 2 $2 ; Dec. 7, $2.	
North Ophir	1,600	1	1,600	500 00	—	—		Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	500 00	—	8 00		Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	300 00	425 00	430 00	$48		
Overman	1,200	1	1,200	500 00	60 00	75 00		July 7, $20; Nov. 19, $50.	
Potosi	1,400	2	2,800	500 00	700 00	750 00			62 00
Porter	600	1	600	500 00	—	30 00		Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	5 00	6 00	$5	Oct, Nov, Dec 16, $9.	9 00
Savage	800	1	800	2,000 00	—	1,800 00	$75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	12 00		Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00		Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	—	25 00		Mar 8, $5; May 16, $10.	00 00
Spanish No. 2	1,600	1	1,600	500 00	—	10 00		Mar 26, $5; May 13, $5.	
Uncle Sam	1,200	1	1,200	200 00	135 00	145 00		Aug 25, $100;Nov 3,$100	263 00
Whitman	1,800	1	1,800	1,000 00	—	—		Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	50 00		June 17, $30; Oct 6. $18	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	830 00	850 00		July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	40 00	80 00		Feb 19, $25; Sept 14, $25	162 50
Bamboo	600	1	600	500 00	—	—		Sept 18, $5; June 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	5 00			12 25
Falls of the Clyde	6,000	1	6,000	20 00	—	—		Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	11 00	13 00	$5		
Nevada	600	2	1,200	250 00	—	—		Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	12 00	18 00		March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00			8 25
Ural	400	1	400	500 00	—	—		Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	5 00		Jan 5, $3; Sept 20, $12½	19 00
Wide West	2,600	1	2,600	500 00	9 00	10 00		May 25, $5; Nov 21, $5.	90 00

COSO DISTRICT.

Coso	26,000		3,600	600 00	—	—		Jan 29, $1; May 11, $1.	
Josephine	9,600	2	4,800	250 00	—	—		July 31, 50c; Nov 19, $1.	13 00
San Carlos			2,600	100 00	—	—		Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—		Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,930	1	1,980	100 00	—	20 00		Sept. 17, 2½; Dec. 12, 2½	19 35
Sheba	1,800	2	3,600	500 00	8 00	9 00		Aug 12, $20; Nov 25, $30.	32 35

REESE RIVER DISTRICT.

Amador	1,400				—	—		May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—		Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—			
Oregon	800	2	1,600	300 00	—	20 00			1 00
Union No. 2	1,000	1	1,000	500 00	—	—		Dec 8, 50c.	2 50
Whitlatch	600	2	1,200	1,000 00	—	—		June 25, $5; Nov 16, $10.	26 00
Willow	2,800		1,400	200 00	—	—		Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—			
North Star	1,000	1	1,000	500 00	—	60 00		Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—			1 50
Diana	1,200	1	1,200	500 00	—	—			1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—			2 00
Joe Lane	1,000	1	1,000	500 00	—	—		Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—		Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00		Aug 27, $3; Jan 28, $3.	47 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—		Feb 10, $30; Aug 23, $10.	150 00
Srade Guadelupe	3,600	1	3,000	1,000 00	—	—			9 00
San Marcial	13,200	1	13,200	100 00	—	25 00			
San Nicholas	1,200	1	1,200	200 00	—	—		Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00		Jun 16, $1½; Oct 5, $1½	
Fellows	2,500	1	2,500	100 00	—	—			
Molones	3,000	1	3,000	50 00	6 00	9 00		June 30, $2½; Oct 27, 2½	
Napoleon	2,700	1	2,700	600 00	50 00	80 00		Feb 13, $10; June 8, $5.	15 00
Triunfo, L. C.	7,806	1	7,866	200 00	—	25 00		Juno 18, $1; Aug 1, $1.	15 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.	Oct. 10th.	Oct. 20th.	Nov. 1st.	Nov. 10th.
Gould & Curry.....per ft.	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300	$1,380	$1,610	$1,650	$1,335
Ophir	1,200	825	920	850	720	725	670	425	450	500	490	460	300	350	355	455	415	435
Savage	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400	1,500	1,850	1,900	1,800
Potosi	900	850	850	950	1,000	900	1,000	925	875	900	690	800	690	720	790	750	750	825
Chollar	650	500	575	515	375	425	300	300	325	475	550	650	660	690	880	950	1,000	1,000
Hale & Norcross	525	500	425	350	275	350	....	310	....	300	480	425	240	350	350	465	490	1,000
Sheba	100	90	90	80	75	70	50	40	25	20	80	95	75	70	67	65	62	53
Daney	....	60	....	60	....	50	45	30	35	....	35	30	....	20	....	27	20	20
Wide West	22	20	15	12	10	8	7	20	17	18	20	31	27	35	28	26	28	23
Burning Moscow	55	52	45	40	23	15	13	12	15	18	20	19	27	60	62	72	37	40
Pride of the West	18	8	10	5	6	3	2	....	2	....	2	....	2	8	6	7	7	8
Bullion	70	65	65	70	65	50	50	40	30	....	....	40	40	55	80	110	145	155
Real del Monte	48	40	41	32	23	15	12	11	15	18	14	15	19	35	25	24	25	25
El Dorado	....	....	....	....	....	....	10	8	10	12	5	....	....	....	....	....	....	....
Overman	....	....	200	200	250	200	....	250	225	....	150	175	160	....	185	165	165	130
Sierra Nevada	55	....	....	....	....	20	15	16	15	....	10	22	20	....	20	42	50	45
Yellow Jacket	750	750	950	900	850	700	600	450	400	450	375	400	575	600	725	800	970	950
White & Murphy	....	....	....	....	....	....	300	....	....	....	....	....	....	....	225	30	....	40
Sides	....	....	....	....	....	....	200	....	....	....	175	....	....	....	20	....	....	....
Uncle Sam	700	650	700	610	....	400	350	250	190	210	200	200	....	200	350	210	190	180
Baltic	65	75	70	55	45	40	22	15	13	13	16	24	23	22	30	31	20	18
North American	110	122	120	90	65	62	54	30	....	25	25	25	30	25	55	40	....	40
Baltimore American	47	35	....	50	40	42	35	30	32	20	20	15	25	....	25	26	....	....
Melones	15	20	15	....	12	10	12	9	13	17	13	13	....	....	13	12	....	8
Antelope	147	....	125	130	100	65	70	50	....	....	14	12	20	15	20	45	65	100
Napoleon	75	70	80	75	70	65	60	45	....	50	60	....	....	....	75	....	70	....
Sacramento	50	50	45	....	....	....	20	....	....	....	....	....	....	....	....	....	....	....
Utah	....	....	28	26	30	18	15	18	15	....	....	....	5	....	5	6	5	....
Lady Bryan	35	23	32	25	25	10	4	5	4	5	5	7	6	9	6	6	3	3
Imperial															149	151	155	148

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt on par	¼ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	6 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Dec. 17, 1864.

The mining share market has exhibited considerable vitality this week, and all leading stock are in request, at enhanced rates. The short interest has been feebly sustained, owing to the readiness with which seller's option contracts were taken, and there are now more buyers in the market than sellers. Washoe advices received the past few days are of a more favorable character than were anticipated by some. All first-class mines continue to look extremely well, and the appreheusions felt with regard to the roads have not been realized, and are not likely to be. Little or no difficulty has, thus far, been met with in hauling ore to the mills, and the aggregate yield for the current month will probably exceed that of any previous like period since June last. These tangible results must have some influence upon the market, and will serve to dispel the illusions of those who were anticipating light receipts of bullion, and a consequent decline in the market value of all stocks.

The aggregate receipts of treasure in this city, from all sources, since the 1st inst., amounted to some $3,500,000, including about $1,000,000 from the Northern coast. The product of the precious metals is largely in excess of the first half of preceding months. During the past week the receipts have been about $1,000,000.

Bullion is plentiful, and gold bars are offered to bankers at 800@810. Silver is unchanged, and rules at ½ ₱ cent. premium to 2 ₱ cent. discount for round lots. Selected bars, however, range higher.

The demand for loans continues fair; but money is plentiful, and no appearance of pressure is apparent. The prevailing rate in bank is 1½ ₱ cent. premium on prime collateral. In the open market, good, but less desirable, securities are taken at 2@3 ₱ cent.

Legal Tender Notes have been very active, and $159,000 were dealt in, opening at 44c, seller 30, advancing to 47c, receding to 45c, at 30 days, then selling at 46c cash, and closing at 44¾, seller 30. The latest telegraphic advices from the East quote gold in New York, on the 16th inst., at 234.

City stocks and bonds are steady, and, for the most part, well held. 62 ₱ cent. is bid for Spring Valley Water Co., and 48½ for San Francisco City Water Co. California Steam Navigation Co. is in request at 75 ($750 per share). State Telegraph is offered at 40, and North San Francisco Homestead was sold at $40.

Savage is in more favor and advanced from $1,550 to $1,650, within which range 7 feet were sold. In the prospecting shaft, sunk some 85 feet below the lower working level, good ore was met with recently and in drifting toward the line of the Hale & Norcross a larger body of ore has been disclosed. There is no diminution in the receipts of bullion from the mine.

Gould & Curry has also improved, and 66 feet were sold, declining from $1,400 to $1,360, seller 60, then steadily advancing to $1,475 and closing yesterday at $1,495. The management of this company's affairs, both here and in Nevada, seems to give entire satisfaction to most stockholders and many of them desire a continuance of the present policy. Their mill is now working admirably, and the average cost of the reduction of some 2600 tons of ore and 300 tons of tailings last month, at this establishment, did not exceed $11½ per ton. It is believed that the present treatment of ore also results in saving more metal than formerly. Nearly a full winter's supply of wood, quicksilver, castings and other materials have been accumulated and paid for out of the surplus earnings of the past two months.

Chollar advanced from $940 to $1,000, buyer 30, receded to $950, seller 30, then advanced to $1,000 cash and $1,025, buyer 30, and closed at about $1,000. From the 1st to the 10th inst. 1530 tons of ore was delivered to the different mills, and this week the average product of the mine amounts to 200 tons per day. The lode in the south mine is said to have attained a length of 178 feet and is now nearly 50 feet wide, 35 of which contains good ore worth some $50 per ton.

Yellow Jacket is in rather fair request and small sales have been made at $850@835. This company are giving regular employment to a number of mills and the yield of last month amounted to $70,000. The mine continues to look well and preparations are being made to increase its productiveness.

Potosi has rallied materially, and 4 feet were sold advancing from $600 to $740. Upon an application to review the report of Referee Mesick, in the injunction suit of this company against the Bajazet, His Honor, Judge Burbank, decided to admit testimony as to "the delivery of the deed," and the argument is now being made by counsel.

Empire Mill and Mining Company is inactive, but well held at about $525 per share.

Hale & Norcross has fluctuated materially and 26 feet have changed hands, advancing from $289 to $325, receding to $275, and selling yesterday morning at $310. Drifting still continues to the east from the 545 foot level.

Ophir has been very active the past few days and 90 feet in all were sold, advancing from $385, seller 30, to $440, receding to $430 cash, and 415 at 30 days and closing at $420 asked. No new developments have taken place.

Uncle Sam has declined from $145 to $130, at which rates 28 feet were sold. It is said that efforts will be made by certain stockholders to annul the recent assessment of $100 per foot. Overman has been sold to the extent of 19 feet at $75@76.

Imperial has been in less favor and 195 shares were sold, declining from $122½ to $107½, rallying yesterday to $117. It is said that the changes lately made in the method of working this mine are less successful than were anticipated, and are likely to result in a diminished yield of good ore for 60 days hence.

Bullion declined from $148 to $119, rose to $125, buyer 30, and closed at $120, at which rates 373 shares have been sold.

Burning Moscow is still a speculative feature of the market, and 5,915 shares have been sold, at variable rates, advancing from $32 to $41, buyer 30, then selling at $39, seller 30, and $30, seller $60; again rallying to $47, cash, and steadily declining to about $35, closing at $38.

Nevada (J. G.) is in less request, and 165 shares were dealt in, declining from $46 to $35. Baltic has fallen from $25 to $22.

Wide West is lower, and 120 feet were sold, at from $12 to $9@9½. Daney was sold at $22, and Sierra Nevada at $25.

Bajazet and Golden Era fell from $36 to about $20; Golden Age and Empire dropped from $15 to $11; Buckeye was sold at $3½; Lady Bryan at $5½@6, and De Soto nt $5@6½.

Sbeba declined from $12½ to $8; Burnside advanced to $6½@7; Rhodes Diggings was sold at $5, and Harmon at $4.

The aggregate sales of stocks and Legal Tender Notes have amounted to $593,782.50.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, December 10.

8 shs Chollar at 940 per foot, s 30.
16 shs Chollar at 950 per foot, 3 30.
4 shs Chollar at 950 per foot.
4 shs Chollar at 960 per foot.
20 shs Chollar at 940 per foot, b 30.
2 shs Potosi at 600 per foot, b 10.
2 shs Potosi at 600 per shares, s 30.
4 shs Gould & Curry at 1360 per foot, s 30.
8 shs Gould & Curry at 1370 per foot, s 10.
20 shs Gould & Curry at 1350 per foot, s 30.
4 shs Gould & Curry at 1395 per foot.
6 shs Hale & Norcross at 289 per foot.
12 shs Ophir at 400 per foot.
12 shs Ophir at 385 per foot, s 30.
40 shs Daney at 22 per foot.
5 shs Sheba at 22 per foot.
24 shs Sheba at 12½ per foot.
20 shs Imperial at 122½ per share.
10 shs Bullion, G. H., at 150 per share, s 10.
10 shs Bullion, G. H., at 148 per share, s 30.
20 shs Bajazet & Golden Era at 38 per share, Tuesday,
15 shs Bajazet & Golden Era at 38 per share, r w.
5 shs Bajazet & Golden Era at 39 per share.
10 shs Golden Age & Empire at 14 per share.
20 shs Nevada, J. G., at 44 per share.
5 shs Nevada, J. G., at 43½ per share.
30 shs Nevada, J. G., at 46 per share, b 30.
10 shs Burnside at 6 per share, r w.
40 shs De Soto at 5 per share.
20 shs De Soto at 6 per share.
10 shs De Soto at 6½ per share.
20 shs Burning Moscow at 36 per share.
20 shs Burning Moscow at 35 per share.
30 shs Burning Moscow at 34 per share.
70 shs Burning Moscow at 34 per share, b 10.
10 shs Burning Moscow at 33½ per share.
20 shs Burning Moscow at 33 per share.
280 shs Burning Moscow at 32 per share, s 10.
100 shs Burning Moscow at 32 per share, b 30.
10 shs Burning Moscow at 33 per share, s 10.
70 shs Burning Moscow at 33 per share, b 10.
50 shs Burning Moscow at 32½ per share, r w.
30 shs Burning Moscow at 32½ per share, r w.
10 shs Burning Moscow at 32 per share, r w.
10 shs Burning Moscow at 33 per share, r w.
10 shs N San Francisco Homestead at 40 per share, r w.
$ 8,000 Legal Tender Notes at 44 per cent, s 30.

AFTERNOON SESSION.

2 shs Hale & Norcross at 285 per foot.
2 shs Hale & Norcross at 290 per foot.
4 shs Gould & Curry at 1395 per foot, r w.
8 shs Gould & Curry at 1380 per foot.
8 shs Gould & Curry at 1375 per foot.
4 shs Gould & Curry at 1370 per foot, r w.
8 shs Gould & Curry at 1360 per foot, s 30.
10 shs Buckeye at 3¼ per share.
10 shs Golden Age & Empire at 15 per share.
5 shs Bajazet & Golden Era at 36 per share.
5 shs Nevada, J. G. at 44 per share.
10 shs Imperial at 122½ per share.
5 shs Imperial at 120 per share, s 40.
10 shs Burning Moscow at 31 per share.
42 shs Burning Moscow at 30 per share.
20 shs Burning Moscow at 30 per share.
20 shs Burning Moscow at 32 per share, b 30.
30 shs Burning Moscow at 30 per share, s 10.
10 shs Burning Moscow at 30 per share, s 5.
20 shs Burning Moscow at 30 per share, b 15.
100 shs Burning Moscow at 31 per share.
10 shs Burning Moscow at 31 per share, s 5.
10 shs Burning Moscow at 31 per share, s 10.
10 shs Burning Moscow at 31½ per share, r w.
10 shs Burning Moscow at 32½ per share.
10 shs Burning Moscow at 32½ per share, s 10.
30 shs Burning Moscow at 34 per share.
$10,000 Legal Tender Notes at 44 per cent, s 30.

Amount of sales.....$.100,800 00

Monday, December 12.

47 shs Ophir at 335 per foot.
8 shs Gould & Curry at 1365 per foot.
4 shs Gould & Curry at 1360 per foot.
8 shs Gould & Curry at 1375 per foot.
4 shs Gould & Curry at 1380 per foot.
4 shs Gould & Curry at 1390 per foot, s 30.
12 shs Gould & Curry at 1370 per foot, b 30.
4 shs Chollar at 965 per foot.
40 shs Chollar at 950 per foot, s 30.
2 shs Potosi at 675 per foot, r w.
1 sh Uncle Sam at 145 per foot.
80 shs Imperial at 143 per share, r w.
10 shs Imperial at 115 per share, s 60.
10 shs Imperial at 115 per share.
15 shs Bullion, G. H., 125 per share.
10 shs Bullion, G. H., at 130 per share.
23 shs Bullion G. H. at 120 per share.
5 shs Bullion, G. H., at 115 per share.
40 shs Bullion, G. H., at 125 per share, b 30.
20 shs Bullion, G. H., at 120 per share, r w.
10 shs Bullion, G. H., at 125 per share, b 10.
5 shs Bullion, G. H., at 122½ per share.
20 shs Nevada, J. G., at 44 per share.
5 shs Overman at 75 per foot.
20 shs Burning Moscow at 32½ per share.
20 shs Burning Moscow at 32 per share.
20 shs Burning Moscow at 35 per share, b 10.
20 shs Burning Moscow at 33 per share.
60 shs Burning Moscow at 34 per share.
170 shs Burning Moscow at 35 per share.
10 shs Burning Moscow at 36 per share, b 10.
110 shs Burning Moscow at 35½ per share.
70 shs Burning Moscow at 34 per share, s 10.
115 shs Burning Moscow at 35 per share.
20 shs Burning Moscow at 36½ per share.
30 shs Burning Moscow at 37 per share.
5 shs Burning Moscow at 37½ per share.
10 shs Burning Moscow at 36½ per share, s 10.
50 shs Burning Moscow at 37 per share, b 10.
20 shs Burning Moscow at 37½ per share, b 10.
40 shs Burning Moscow at 37 per share, b 5.
50 shs Burning Moscow at 38 per share, s 10.
30 shs Burning Moscow at 36 per share, r w.
20 shs Burning Moscow at 37½ per share, b 30.
10 shs Burning Moscow at 33 per share, s 30.

AFTERNOON SESSION.

8 shs Gould & Curry at 1395 per foot, s 30.
1 sh Savage at 1560 per foot, r w.
12 shs Ophir at 390 per foot, s 30.
12 shs Ophir at 400 per foot, s 30.
6 shs Hale & Norcross at 290 per foot.
2 shs Hale & Norcross at 295 per foot.
15 shs Golden Age & Empire at 15½ per share.
10 shs Golden Age & Empire at 15½ per share, b 10.
20 shs Golden Age & Empire at 15 per share, s 30.
10 shs Wide West at 12 per share, r w.
10 shs Baltic at 25 per share.
10 shs Imperial at 116 per share, s 30.
2 shs Overman at 75 per foot, r w.
2 shs Overman at 75 per foot.
10 shs Burning Moscow at 35 per share.
10 shs Burning Moscow at 36 per share, r w.
10 shs Burning Moscow at 37 per share, b 10.
50 shs Burning Moscow at 36 per share.
20 shs Burning Moscow at 38 per share, b 10.
20 shs Burning Moscow at 36½ per share.
50 shs Burning Moscow at 37½ per share.
10 shs Burning Moscow at 40 per share, b 30.
10 shs Burning Moscow at 41 per shares, b 25.
10 shs Burning Moscow at 41 per share, b 30.

Amount of sales $100,310 50

Tuesday, December 13.

10 shs Hale & Norcross at 300 per foot.
2 shs Hale & Norcross at 305 per foot.
6 shs Hale & Norcross at 305 per foot.
4 shs Gould & Curry at 1390 per foot, s 30.
4 shs Gould & Curry at 1440 per foot, s 30.
24 shs Gould & Curry at 1445 per foot, r w.
4 shs Gould & Curry at 1445 per foot.
1 sh Savage at 1550 per foot r w.
1 sh Yellow Jacket at 850 per foot.
7 shs Uncle Sam at 140 per foot.
12 shs Ophir at 400 per foot.
4 shs Chollar at 1000 per foot, b 30.
5 shs Imperial at 115 per share.
2 shs Imperial at 114 per share.
20 shs Bajazet and Golden Era at 25 per share.
5 shs Bajazet & Golden Era at 25 per share.
40 shs Bajazet & Golden Era at 29 per share, r w.
10 shs Baltic at 22 per share.
10 shs Bullion, G. H., at 125 per share, b 10.
25 shs Bullion, G. H., at 125 per share, b 25.
10 shs Bullion at 115 per share.
5 shs Bullion, G. H., at 119 per share.
10 shs Golden Age & Empire at 15 per share.
5 shs Golden Age & Empire at 14½ per share.
20 shs Wide West at 11 per share, r w.
20 shs Wide West at 10½ per share.
10 shs Nevada, J. G., at 45 per share, b 30.
10 shs Nevada, J. G., at 43½ per share.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3 10	—	—	$ 139,996,950	Feb. Aug. April and Oct.	U. S. Treasury	1864	
Legal Tender Notes	46						
California State Bonds, 7s, 1857	—	78	3,620,500			1867	
San Francisco Bonds, 10s, 1851		105	1,252,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		105	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	529,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	62	64	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	—	72	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds	38	40	1,416 000				
Sacramento County Bonds, 6s	43	50	440,000				
Marysville Bonds, 10s	75	77					
Stockton City Bonds	70	80	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	75	—	2,500	$1,000		2 ₱ ct. ₱ month on capital stock.	Dividend of 3 ₱ ct. paid Oct. 15.
State Telegraph Co	37½	38	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	75	78	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	48	50	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	62	65	3,000	1,000	$450		Assmn't of $10 ₱ sh levied Nov. 4.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co	20	30	8,000	100	$100		
Omnibus Railroad Co	103	—	10,000	100	41 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			Assmn't of $5 ₱ sh levied June 8.
North Beach and Mission Railroad Co	95	—	10,000	100	38 ₱ cent.—$38.		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1½ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		$10 per share now due.
Fireman's Fund Insurance Co	—		20,000	— 10	Full Paid		Surplus fund $18,000.
Pacific Insurance Co	122	124	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ₱ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co			4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ month on capital stock	39th dividend paid.

[Written for the Mining and Scientific Press.]

NEW YORK CORRESPONDENCE.

BY FRANK WARDELL.

NEW YORK, Nov. 10th, 1864.

EDITORS MINING AND SCIENTIFIC PRESS:—We have just passed through a most exciting political campaign, and we now breathe free. The Presidential election is over, and no matter what might have been the private political opinion as to the merits of the two candidates in question, they cannot but consider the final results a decided triumph of the Union party. Many predictions were current as to the serious disturbances to take place here. The city was to be fired, our streets were to be covered with blood, and such like reports were all the rage. Thanks be to Divine Providence that such was not our fate. The election passed off peaceably and unusually orderly, and, it is justly said, mainly because both parties were convinced that the greatest injury that could occur to either would be the evidence that either had been the first to resort to violence on this occasion. What is this but a recognition that our people will sustain order, and that any party perpetrating a wrong is sure to be the loser by the act? Here, whatever force was at hand was carefully hidden from sight—its display being very properly considered an insult to the people, who have fully proved themselves worthy of the elective franchise. In Europe, order would have been maintained by an ostentatious display of civil and military force. It will not do for us to "cry down" or talk disparingly respecting the failure of Republican institutions. Whatever evils have accompanied them are the consequences of the improper manner in which they have been administered, and not of the principles on which they are based. They have been shown to be stronger than any despotism, even under the very circumstances in which they were expected to prove weakest. In the midst of war—and that the most awful and trying, a civil war—no government could have carried on the terrible contest of the past four years that was not sustained by a people who felt and acted on the conviction that the struggle was *theirs*, and not that of the Administration or the Government. Europe, thank heaven, has received a new lesson, which she will not soon forget. The curtain now falls; the political drama has been acted, and the acknowledged "stars" of the occasion are Uncle Abe and Brother Johnson.

THE GOLD MARKET.

Gold operators are acting more like so many maniacs than anything else you can well compare them to. The fluctuations are so great, and thus the excitement so high, that one half the time they do not know whether they stand on their feet or their heads. You can well imagine them rushing about, eyes half out of their heads, hats thrown back, and all their conversation on gold, gold, gold! It reminds me more of our old "shining times" in 'Frisco, on a tight steamer day, with money to raise to meet our obligations, and only half an hour to do it in before the bank close. Those were the times that "tried men's souls," and which showed what kind of endurance you were composed of. Stocks have been largely dealt in lately, and if holders have been firm they can not have helped making considerable money. There is a rumor to the effect that a movement is on foot to protect the people from speculators. I give the following as it comes from Washington, under date of the 9th inst. How much truth there is contained in it remains to be seen:—

"The Government has determined to use the influence at its command to protect the people from the exorbitant prices of commodities occasioned by the extravagant price of gold. This action was determined upon some time ago, but it was not to be put in operation until immediately after the Presidential election, There are various ways by which this result can be brought about, and all of them are to be employed. Within a few days the Assistant Treasurer for New York has been in consultation with the department, upon the subject. It is now understood that, in addition to the other means at his disposal, the Secretary of the Treasury is ready to announce that the Treasury will supply to the commercial community all the gold needed for strictly commercial purposes at a premium of only 50 per cent., which will reduce the price of gold to 150 instead of 550, as it now is. The Treasury is abundantly able to do this. There is on hand, over and above the amount needed to pay the twelve millions of interest in gold accruing next week, more than sufficient to meet all the demands of commerce for the next four or six weeks, and the intention of the authorities is to break down the excessive premium to which speculators have pushed this commodity."

Government securities are strong, at an advance, and foreign exchange is firm, in sympathy, of course, with the gold market—gold to-day (November 10th) being 260. The prime reason of its prospective further advance, however, is based upon the great Presidential result, which leads the majority of those who are capable of influencing the gold market to look for a long continuance of the financial policy which has so long degraded the value of the currency of the country to less than thirty-nine cents on the dollar. So it is said by those who make pretensions of knowing.

AMERICAN SHODDY SNOBBERY.

The people who now essay to lead the fashion in this country indulge in many very foolish things, that make the sensible grieve. To give you Californians a little idea, we will take, for instance, what was to be seen at the Academy of Music, the other evening, during an operatic entertainment. We were quite startled by the appearance of some of the ladies *en grande toilette*. As in duty bound, we took it for granted that there was abundance behind the little transparent curtains which so many of them wore over their faces, though it is possible that we might have changed our opinion if the "illusion" had been removed. One fair demoiselle, who sat near us, sported a profusion of powder. Her hair, in front, was arranged in three ridges, and looked as if it had just come out of a flour bin. There were several other female heads in the house that were dressed and dusted in the same style. We have rarely seen more finery in any place of amusement. There was plenty of glare, but very few evidences of taste. Violent colors, violently contrasted, pained the eye. One might have thought that no inconsiderable portion of the audience had been *dressed by contract*, their costumes were so glaringly alike. Shoddy never came out stronger than on the evening in question. But if you want to see that element of society in its glory, go to Central Park. Its "fire new" liveries, its glossy steeds, its flashy carriages, ornamented with with fancy coats-of-arms, made to order, its Tittlebat-Titmouses in "nobby" attire, and its elaborately bedecked ladies of *ton*, are to be seen there every sunshiny afternoon in full flare. How many soldiers must have been badly equipped, how many spavined horses palmed off on Uncle Sam, and what lots of plundering done, to pay for the gaudy show.

NEW BOARD OF BROKERS.

There is much serious talk going the rounds about the organizing of a new Board of Brokers in this city. It will be composed mostly of Californians, and if the idea is only carried out, it will prove a great benefit to Californians now here operating in stocks. The starters of the project are some of our leading and wealthiest New York and California men. It is about time, I should say, that such a place as California had a Board in a city like this to represent her richness.

THE WEATHER.

The weather during the past four weeks has been perfectly delightful, with the exception of the past three days, which has been rainy and terribly disagreeable. I glean from your papers that you would not object to the rain that has been pouring down here in torrents lately.

BUSINESS

May be termed quiet, and merchants are in hopes, now the election is over, more confidence will be felt in the community, a more cheerful spirit pervade, and trade revive. It is to be hoped so, at least, for, take it all in all, times have been "blue" indeed, and it is with the utmost difficulty that many merchants have been able to carry their heavy stocks of goods.

W. T. COLEMAN AND CALIFORNIANS IN NEW YORK.

Californians, as a general thing, are greatly surprised at the recent action of Wm. T. Coleman during the campaign in your city, and, taking into consideration the different remarks I have heard from time to time, they do not look upon that gentleman in any too favorable a light. I must say, for a merchant holding the position in the community he has heretofore sustained, he acted most unwisely in mixing himself up in politics to such an extent as he did.

A NEW CRUSHING MILL.

We have just been presented, by the owners of this invention, Messrs. McAuley & Wheeler with a tracing on cloth, from a working drawing of a model mill, constructed by them for working the blue gravel or auriferous cement which is found in such abundance underlying the hydraulic mines of California, and which, until quite recently has been but little worked on account of the difficulty of separating the gold from its matrix of conglomerate cement. This mill appears to be quite a novelty in itself, and is evidently the result, of no small degree of mechanical ingenuity, assisted by large experience in the working of mills and construction and practical working of machinery, perfected by careful thought and study. For, although there is less machinery in it than we ever saw before in a mill of the same capacity, it performs (automatically) all the work, without assistance or scarcely attention from man after being once started and regulated.

The workman in the mine has only to hitch the loaded car to the rope, and give a slight pull on another rope, or, wire which runs from the mine up into the mill by which the hoisting gear is thrown into connection, when the loaded car is drawn up the incline into the mill, where it dumps itself, at the same time throwing the hoisting apparatus out of gear, which allows the emptied car to right itself and run down the incline into the mine, taking the end of the hoisting rope along with it, by which it is regulated in its descent.

The dirt, and, rock, when dumped from the car, falls into a bin with slanting bottom, which carries it into a feed hopper and by which it is gradually and regularly fed into a crushing machine, into which there is also admitted a sufficient quantity of water, taken from the discharge of the water wheel, it being set high enough for the purpose.

The crushed rock and sand, mixed with the water, is conveyed from the crushing machine into the mortars, by means of a sluice, which at the same time separates the freed particles of gold from the dirt and obviates the necessity of stamping it with the rock. The pulp is stamped in the mortar until it is fine enough to escape through screens, similar to wet crushing of quartz, after which it is passed, with an additional quantity of water, through another series of sluices and riffles, and thus discharged from the mill completely worked, and the gold separated from it, without having been once re-handled after being loaded into the car in the mine.

This same plan of mill only requires the addition of the necessary settling vats and amalgamating pans in place of the sluices and riffles to make it a first class quartz mill complete in every particular.

In addition to the general plan of the mill, which appears to be arranged with regard to convenience of working, as well as economy in building, machinery and power, we notice, among the improvements of details (in addition to the water wheel,) a self-dumping car, automaton hoisting gear, and crushing machine; apparently small, but nevertheless important improvements, as mill men will at once see.

There are two improvements in the details of the batteries; the one is, mortising through the wooden guides, or boxes in which the stamp stems slide, and filling the mortises with a block of wood so as to present the end of the timber for the stem to slide against on all sides, instead of but two sides, as in the case in the common block. The other is in the form of the shoe of the stamp, which is so nearly like the old shoe, that it fits the same socket in the stamp, but the face instead of being flat, or as it frequently becomes in wearing, concave, is in shape like the penes of two sledges or stone hammers crossing each other at the center. The advantages of this arrangement are two fold. First—It gives a far better casting; the metal being more homogenous, closer grained, harder and tougher than when cast in a cylindrical or cube form like the common shoe. The other advantage is in the penc-shape of the face, which not only wears better than the flat face, but delivers a more crushing blow on the rock, as is pretty well understood by miners who have had to break many boulders with a sledge, or who have crushed much quartz or gravel cement in a common hand mortar. A broad, flat faced pestle, always having a tendency to pack the rock in a solid mass under the center of the pestle, while a narrow convex, (or better still) diamond or pene-faced pestle loosens the mass, and the same labor accomplishes more work. This form of shoe, with the revolving stamps, (as now used in nearly all mills) should have the same effect, as in the face of the hand pestle, especially as it gives a better quality of material in the shoe itself; but this form of shoe would be objectionable in a stamp, having a square stem so as not to revolve.

The plan exhibited for our inspection was for a mill with two mortars and ten stamps, with the crushing machine, which is designed to reduce the rock and cement to about the size of grains of corn and wheat, thereby doing an amount of work equal to ten more stamps, making the capacity of the mill equal to twenty stamps. The amount of water required to drive all the machinery about the mill, in localities where water can be had at a hight of 230 feet. (which is not unusual, from ditches, supplying hydraulic mines with water) will not exceed twenty-five inches, "miners' measure," which, at the present water rates in most localities in this State, would not cost more than three dollars per day.

The plan of the mill, may be seen, by any one interested in such matters, by calling at the "Miners' Foundry" in this city, where, we understand, they are building the water wheels and other machinery for the mill complete, even to the smallest bolt required.

The machinery for each mill is accompanied with complete working drawings and bill of timbers for frame, so that mistakes in building or setting up the machinery are almost impossible.

A LEAD PIPE MANUFACTORY FOR SAN FRANCISCO.—The ship Young America, which arrived in this port a few days since, brought a complete set of machinery for the manufacture of lead pipe, sheet lead and shot. The machinery is consigned to our enterprising fellow-citizen, Thos. H. Selby, Esq., who will proceed immediately to establish in this city a manufactory for the above purpose. The entire cost of the enterprise will reach about $100,000, and it is intended that the enterprise shall be second to none of its kind in the Eastern States. The machinery is all of the latest and most approved patterns, and has been made for this especial purpose under the immediate direction of Peter Naylor, the New York partner of Mr. Selby, a gentleman who has for many years been connected with one of the most extensive works of this kind on the continent. Thus, one by one, the enterprising citizens of San Francisco are introducing into our midst all the various trades and manufactures which are soon to make us independent of the world in all the essential requisites of mechanical and manufacturing industry.

EFFECT OF ATMOSPHERIC PRESSURE IN GUNNERY.—The French artillerists in Mexico have recently found, to their surprise, that the angle of elevation used in France for their guns, for any given range, does not afford the calculated results; and have ascertained that this is owing to the diminished pressure of the atmosphere on the Mexican plateau. It follows that cannon may serve as a kind of barometer for measuring altitudes.

Mining and Scientific Press.

W. B. EWER,.....Senior Editor.

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It is Impossible for editors to know all the merits and demerits of their correspondence, consequently the reader must not receive the opinions of our contributors as our own. Intelligent discussion is invited upon all sides and the evidence of any error which may appear will be received in friendship and treated with respect.

American and Foreign Patents.—Letters Patent for Inventors can secured in the United States and foreign countries through the Mining and Scientific Press Patent Agency. We offer applicants reasonable terms, and they can rest assured of a strict compliance with our obligations, and a faithful performance of all contracts. For reference, we will furnish the names of numerous parties for whom we have obtained patents during the past year.

Favorable to Inventors.—Persons holding new inventions of machinery and important improvements, can have the same illustrated and explained in the Mining and Scientific Press, free of charge, if in our judgment the discovery is one of real merit, and of sufficient interest to our readers to warrant publication.

San Francisco:
Saturday Morning, Dec. 17, 1864.

THE RIVOT PROCESS.

BY G. DEETKEN.

In answer to frequent inquiries, a short review of the above process will be furnished, as far as the writer is informed of it. The process consists in a peculiar roasting operation whereby the gold and silver are converted into the metallic state and prepared for a successful pan or barrel amalgamation.

Mr. Rivot claims according to our information, to extract *all the gold and silver* from the most refractory as well as more docile ores.

The ore has to contain a certain amount of iron pyrites varying with its value, on the average about 30 per cent. If the required quantity is not present in the ore, it has to be added. The roasting is carried on in a common reverberatory furnace so constructed that the flame cannot touch the ore in its passage from the fire-bridge to the flues. A high fire-bridge, arch and flues are therefore essential conditions of the furnace. The arch is about thirty inches or more above the hearth which is 8 x 13 feet in size. The flame is also prevented from touching the ore by the introduction of a copious supply of steam of about 14 lbs pressure per square inch, near the fire-bridge and through pipes, passing through the arch.

The steam is partly decomposed, at the temperature existing in the roasting chamber of the furnace, into its elements, hydrogen and oxygen, the first of which combines with the sulphur of the sulphuret, forming sulphureted hydrogen, and the latter with its metal, forming oxydes. If the metals, as silver and gold, have only a slight or no affinity for oxygen, they remain in the metallic state. The sulphurous acid formed by the contact of the oxydes with the undecomposed sulphurets re-acts partly upon the sulphureted hydrogen, forming steam again and volatile sulphur. Metallic sulphurets of a higher grade, as sulphurets of iron and copper, lose a part of their sulphur unoxydized. Sulphuret of arsenic and antimony form volatile oxy-sulphurets.

It has to be borne in mind, however, that the air has to be completely excluded from the ore in order to avoid the formation of sulphates, a condition which is necessary, according to the express statement of Mr. Rivot, to procure a perfect amalgamation.

In reviewing the process two things strike us as novel :—1st. The use of sulphurets of iron in a *roasting process with steam, and the exclusion of air*. 2d. The *peculiar mode of introduction* of steam into the furnace, forming a protection against the access of air to the ore while the heat is directly applied to it.

In regard to the first point, sulphuret or sulphate of iron is added in a chlorating roasting, to decompose the salt—at Freiberg about 20 per cent. In Ziervogel's liquation process, they transform the arseniate and antimonate of silver, formed in roasting, into a soluble sulphate; but in a roasting operation with steam and exclusion of air, the addition of iron pyrites is certainly a novelty, nor is it easy to see in what manner the sulphuret of iron should facilitate the conversion of silver ore into metallic silver, as, according to Mr. Rivot's statements, neither sulphate, arseniate or antimonate of silver is formed in a correct application of his process.

In regard to the second point it is plain, that the direct application of a radiating heat suggested itself—as a muffle furnace, best adapted to this process would consume a greater amount of fuel. The air is perhaps effectually excluded from the ore by the steam used in considerable quantity. The roasting process itself, as far as the use of steam with exclusion of air is concerned, is no novelty; having been successfully applied by Cumenge and Patera on antimonial ores, whereby the silver ore was converted into metallic silver with but slight or no loss.

See: Ann. d. min. 5 ser. I. 425. Berg & h. Ztg. 1853. p. 561 to 580; Berg & h. Ztg. 1855. p. 82 to 131.

A condensing chamber, attached to the furnace, collects the precious metals carried off by the draft. Whether or no the silver found in the metallic state after such a roasting operation is in a condition to amalgamate as well or better than the chloride of silver, formed in a chlorating roasting, is a question of experience.

The writer could never arrive at a successful pan amalgamation of free gold, resulting from a roasting operation of sulphurets and arseniurets. Unless the state of the roasted sulphuret or arseniuret which, after "Rivot's" manipulation is a black magnetic mass—the usual roasting leaves it in the form of a red oxyde—has a favorable influence on the amalgamation, no good results can be expected on gold bearing ores.

In conclusion, we will sum up the disadvantages as well as the advantage of the process. Its disadvantages are :—

1. Slow progress of the roasting and consequent large consumption of wood.

2. Difficulty of procuring the required amount of iron pyrites if not contained in the ore.

On the other side, we have a slight loss of precious metals in the roasting, (the subsequent loss in amalgamation has to be considered however.)

Honor to whom Honor is due.

Editors Mining and Scientific Press :—In the *Scientific American* of October 29th, is an article headed "A Practical Ice Making Machine," in which it is stated that, at a meeting of the British Association, a certain M. A. C. Kirk said, that being requested in 1862, to find a substitute for either in the making of ice, "atmospheric air being the substitute which at once suggested itself, I commenced a series of experiments, etc.," and Professor Miller said, "the inventor had employed a new principle in a new * * * manner."

Ures' Dictionary, an English publication, says, quoting from the *Mechanics' Magazine* of February, 1851, that Dr. Gorrie of New Orleans, "constructed an apparatus for producing so much cold as to freeze water by exposure to condensed air, in the act of its exhaustion," which is precisely the same principle, and process, as that of Mr. Kirk, and yet the idea of so applying condensed air, did not originate with Dr. Gorrie, but with Gay Lussac who did the same thing "many years ago."

Is it possible that Mr. Kirk, and Professor Miller, could be unacquainted with these facts, published as they were, in an English paper thirteen years ago?

Every month or two, we hear of some great "English Invention," which turns out to be nothing but a re-hash of some Yankee notion or other. In this case the merit of the inventor seems to consist, in having improved and applied the machine of Dr. Gorrie, who got the idea from Gay Lussac, and not in having "employed a new principle in a new manner."

C. A.

The California Art Union has rented the room over Jones, Wooll & Sutherland's, and are fitting it up at a cost of about $1,400. A California carpet has been ordered at the Mission Woolen Mills. An exhibition will soon take place, at which it is confidently expected the display of pictures will be creditable.

WHEELER & McAULEY'S HYDRAULIC PRESSURE WATER WHEEL.

This wheel, as its name implies, is worked by the pressure of water, and depends for its power more on the hight of head, than on the quantity of water, as in the overshot or the velocity as in the turbine. In this and many other respects, it differs widely from all other wheels heretofore used, being in principle identical with the Hydraulic Press or Hydrostatic Engine, except that its motion, instead of being reciprocating, as in the press or engine, is rotary and continuous, thereby avoiding the use of valves and driving or balance wheels.

The space occupied by a wheel sufficient to drive an ordinary quartz, flouring or saw mill, is about the same as that required for an ordinary run of mill stones in a flouring mill, and may be placed in any part of the mill most convenient, as the power is transmitted from the wheel through a vertical shaft.

The water is let into the wheel from an iron pipe under it and into the center or hub, where it divides and passes through hollow arms or pipes to opposite sides, on the circumference, where it acts on the principle of direct hydrostatic pressure against piston heads, attached to the wheel, and which revolve with the wheel, in an annular chamber completely surrounding the wheel.

The water, after entering the annular chamber and doing its work, is discharged through an opening in the rim of the wheel towards the center again, where it is received into a large pipe, through which or by means of an open sluice, it may be conveyed out of the mill or to such place as it may be required for other purposes.

By this peculiar arrangement and manner of using the water, the wheel is almost perfectly balanced; the pressure of the water under the wheel, counter-balancing the weight of wheel and shaft, and the pressure on opposite sides of the wheel at the same time balancing, so as to make no lateral or side pressure on the shaft except that due the strain of belt or gearing by which power is transmitted to the machinery.

As there are no valves to open and close, or complicated machinery to get out of order, and as the wheel may be run fast or slow, to suit the requirements of the other machinery in the mill, it promises to be the most economical water power yet invented, both as to the amount of water required to do the work and the amount of other machinery required in the mill.

The Hermetical Barrel.—We alluded, a few weeks ago, to an hermetical barrel, recently invented by Mr. L. S. Robbins, of New York City. We learn, from the *Mining Journal*, that some of these barrels have recently been filled with petroleum at the oil wells and forwarded, with other ordinary shipments, to the Erie freight depot, Jersey City, where they are now daily attracting the attention of merchants, shippers, and oil dealers. They are dry, clean, and odorless as ordinary flour barrels; they have not lost a particle of oil in their passage, while the shipment accompanying them have lost a large per cent. Another interesting feature of the hermetical barrel is, that the chemical treatment of the wood renders it incombustible, so that, being also hermetical, they can be shipped with ordinary packages. It is predicted that the commercial interests of the world will impel them, as a matter of safety and profit, to adopt the hermetical barrel. Millions of dollars per annum might be saved by a general introduction of this barrel. Its inventor has something better than either a gold or silver mine.

All Right.—The reports which had gained currency that the new iron clad Dictator, was a failure, by reason of miscalculation in her draft of water, etc., is pronounced by Capt. Ericksou, in a card, over his own signature, utterly without foundation. The Captain states in his card that the Dictator, after her launch, was found to draw *half an inch* less than was estimated by her projectors, while the Puritan varied only a *quarter of an inch* from the estimate! Pretty close calculation that.

[Written for the Mining and Scientific Press.]

The Rivot and Ryerson Processes.

Editors Press :—The Rivot and Ryerson processes, I understand, have, or claim to have, each of them, a patent granted by the United States. This, of course, gives them the right of doing a certain thing, provided nobody has known or done the same thing previously. As I intend to put up works and introduce such processes as will suit the nature of the ores that may be brought to me, it may happen that I may possibly use something which may be looked upon as an infringement on the respective claims of Messrs. Rivot and Ryerson; but, in order to avoid any controversy hereafter, I will explain for what the parties hold their patents, so far as I have been informed, and what has been known heretofore, and will then be able to judge of the validity of the perspective claims.

As to the Rivot process, I am informed that they claim a certain furnace, by which the fire is so arranged that the flame does not touch the ore on its passage to the chimney; and that, by the introduction of superheated steam, the ore gets so decomposed as either to volatilize the base metals or convert them into such oxyds as will not interfere with the amalgamation of the ore thereafter.

In the Ryerson process, it is claimed that the ore is sulphurized by the introduction of superheated steam in an iron vessel, or upstanding cylinder, and the quicksilver vaporized in contact with the ore, also by the same agent. This, I believe, is all that both parties claim as new.

I will now give you some facts of which the parties may not be aware. Some seventy years ago, Professor Trucks, of Bavaria, discovered that silicates were soluble in caustic ley under a high pressure of steam—say about four atmospheres. This is now no longer an experiment, but is carried on, in various parts of Europe, on a large scale, and this dissolved quartz is used, in a liquid state, as a fire-proof paint and for many other purposes. The largest factory of the kind is in Lille. About ten years ago, a Mr. Godfrey, of London, took out a patent for the desulphurizing of ores by superheated steam. Some years ago a Dr. Hardiuge, of New York, also took out a patent for a peculiarly constructed vessel, whereby superheated steam is introduced through a hollow shaft to the lower strata of the ore. Some six years ago, at my works on Bryant street, in this city, I erected a roasting furnace, which was arranged for the access or exclusion of air, whereby the flame could not touch the ore in the furnace, and the introduction of superheated steam, being precisely what the parties in the Rivot process now claim as new. The application of vaporized mercury was applied in Hungary some 100 or 150 years ago. If we further examine the works and experiments of Professor Plattner, we shall find that there is very little room left for new invention in this line. I may be mistaken in some portions of the above, and if so, Mr. Editor, I shall thank you or the parties interested for correcting me. Mosheimer.

Heavy Castings.—A channel plate for one of the largest frigate engines now being built for the Government was recently cast at the Foundry of Messrs. Woodruff & Beach, at Hartford, Conn. Twenty-six tons of metal were melted for the casting. Upwards of ninety tons were melted for the casting of the great Rodman gun at Pittsfield. The heaviest casting of which we have any account, if we mistake not, was the anvil-block for the great steam hammer of the Midland works, in Sheffield, England, which was cast last spring. It is said that 170 tons of iron were melted for that casting, and that the block when taken from the pit was found to weigh 160 tons. The time occupied in cooling, and before it could be taken from the pit, was *seven weeks*. The hammer itself weighs twenty-five tons.

The Legislature of the new State of Nevada met on Monday last, and are now actively engaged in attending to their Legislative duties.

HOME FINANCES.

Capital continues to flow in upon us from abroad, for investment in our mining and other stocks. The amount thus added to our available means during the past year has been larger than the public are aware of. The transfer of capital to this city from Eastern and foreign markets, for banking purposes, has also been considerable, and larger accessions will shortly be made. The agencies in this city of a number of foreign banking establishments are expanding their business, and making preparations to sharply compete with our home institutions and private bankers. No little rivalry has been evinced recently in certain quarters; but we regard this as beneficial, and likely to result to the advantage of all who are in need of banking facilities. Cheaper rates of interest, and an easy money market, are very much to be desired. We can hear of no pressing demand for money at this time, although a great many loans have been called in, and a general settlement is expected to take place before the year closes.

Stock collateral loans are still made, at 1½ @2 ₱ cent. per month, and good business paper (short time) can be readily negotiated, at former rates.

The receipts of treasure from the interior mining districts and Northern coast, since Friday last, have been unusually large, and amount to $1,550,000. Bullion was lower on last steamer day than for some time past, owing to the closing of the mint; and gold bars were sold at about 820, notwithstanding the rate in New York has recently been advanced to 940@950. Silver is unchanged, and is selling at from ½ ₱ cent. premium to 2½ ₱ cent. discount.

Currency bills on the Atlantic were sold on steamer day at 125 ₱ cent. premium on gold. The rate for telegraphic transfers was lowered to 3½ ₱ cent. premium, and sight drafts, payable in coin, were quotable at 2@2¼ ₱ cent. These quotations are ½@1 ₱ cent. lower than for six months past.

Legal Tender Notes have been well maintained during the week, at from 46½ to 47½, and closed at about 47. Latest advices from the East quote gold in New York at 236 on the 14th inst.

Astonishing Illegality of Mining Advertising.

The amount of mining corporation advertisements now being published in certain daily papers of this city in an illegal manner, and containing plain and gross violations of the recent Act concerning assessments of corporations, is really astonishing.

ADVERTISING IN SUPPLEMENTS has been decided by the Courts of the State of New York (after whose code the laws of California were framed,) as absolutely void; and we have the best of reasons for cautioning every prudent company against that class of advertising. Furthermore, there are continually numberless errors or discrepancies occurring, through MISAPPREHENSION OF THE LAW, on the part of advertisers.

We do not aim to raise unnecessary alarm, but simply perform our duty in admonishing parties interested against the storm of retribution, which is most surely awaiting the success of such companies as are now pursuing informal transactions, whether the same occur through carelessness, duplicity or ignorance.

The original bill for levying and collecting assessments, as first introduced before the last Legislature, we denounced as outrageous; as amended and passed, the Act is obnoxious and cumbersome to the mining community, and is rapidly preparing an enormous feast for the "legal fraternity" of this coast. Although very rigid, the law is no less specific in its main features, and when once minutely understood, its illiberal requisitions are very plain.

Correct blank forms for advertising, and any information desired by advertisers, will be furnished, gratuitously, at the office of the MINING AND SCIENTIFIC PRESS.

The waste made by servants in dust, ashes cinders and grease in N. York city, amounts it is said, to more than $1,000,000 annually.

EASTERN FINANCES.

By the steamer America, of the Nicaragua line, we are in the receipt of Eastern market advices to the 19th of November. At that date, the minimum rate for first class loans in New York was seven per cent. premium, but the circle of credit was so restricted by the fear of failures from the heavy decline in gold, that bank managers and money lenders were afraid to make loans. Rumors of some failures among merchants were current. The break-down in gold from 245@250 to about 215 had checked business of all kinds, and the near approach of the session of Congress and the general impression that the Government would do all in its power to induce rebellious states to return to their allegiance, seemed to make all operators and dealers very cautious about getting into debt for any thing, cheap as it may seem. The payment of the interest on the gold hearing public debt, falling due January 1st, was to be anticipated by the Government, and is officially advertized by the Treasury department and such holders of the bonds as choose to avail themselves of the option can do so immediately.

The exports of general produce and merchandise from the port of New York for the week ending Nov. 15th, compare as follows with previous returns:

	1862.	1863.	1864.
For the week.....	$ 3,750,451	$ 2,311,632	$ 3,628,161
Prev. Reported....	131,545,505	142,012,435	185,021,661
Since Jan. 1st.....	$135,3:8,956	$151,321,369	$188,949,822

The New York Imports compare as follows:

	1862.	1863.	1864.
Total for the week.	$ 2,111,177.	$ 3,208,784.	$ 3,222,274.
Prev. Reported....	151,247,967.	155,042,035.	189,868,408.
Since Jan. 1st.....	$152,359.144.	$158,250,819.	$193,095,979

Goverument securities were granted as follows, Nov. 18th.

Coupon Sixes of 1881	110¾.
Registered Sixes of 188	111.
Coupon Five Twenties	104.
Registered Five Twenties	103¾.
Registered 6s of 1868	117.
Coupon Ten Forties	96.
One Year Certificates	96½.

State bonds were registered as follows:

Missouri 6s	61.	North Carolina 6s	58.
Tennessee 6s	56.	California 7s	151.
Indiana 5s	87.	Ohio 6s	106.
Virginia 6s	45.	Michigan 6s	100.
Georgia 6s	65.	Louisiana 5s	65.

CHOLLAR SILVER MINING COMPANY.—The annual meeting of the above named company was held on the 7th inst., at which time the following named gentlemen were elected for the ensuing year as a Board of Directors: M. O. Hillyer, A. Linddner, A. T. Lawton, Capt. R. H. Pierson, and Robert Turner; Mr. A. K. P. Harmon was elected President, and Charles Hosmer, Vice President.

ELECTION OF OFFICERS.—At a meeting of the stockholders of the Evening Star Mining Co., held December 3d, 1864, the following officers were elected: President, I. H. Ham; Secretary, N. Duperu; Treasurer, W. W. Greenhood; Superintendent, Jno. McMurray; Trustees: W. W. Greenhood, I. H. Ham, T. Ellsworth, A. Block, H. Greenhood.

MINING CONTRACT.—By reference to our new advertising columns, it will be seen that the Secretary of the Rose Gold Mining Company is ready to receive proposals for taking out a lot of quartz from that claim, located in Gentry's Gulch, Mariposa county.

DEEP PLACER MINES IN AUSTRALIA.—It is now distinctly ascertained that in many parts of Australia, "leads" of "wash dirt," consisting of submerged river beds, exist hundreds of feet below the present surface of the earth, and many companies are now engaged in profitably working these extraordinary deposits.

MINING INCORPORATION.—The Rappahoe G. & S. M. Company filed its certificate of incorporation in this city, on Friday last. Its object is the working of mines in the district of Rosario, State of Sinaloa, Mexico. Capital stock, $525,000. Trustees—Wm. T. Coleman, Chas. H. Seymour, and H. F. Williams.

PERSONS sending papers to England, Scotland or Ireland should recollect that if two or more papers are put into one envelope they are charged letter postage on arriving at their destination. All papers should be placed in a single wrapper in accordance with the English postal law.

THE COPPER MINES OF NEVADA COUNTY.

There seems to have been of late quite a renewal of the interest in copper mining in Nevada county. A lot of 30 tons of ore, which was sent to Swansea for treatment, has recently been heard from. It yields $105 to the ton. Several other shipments have been made, from which returns are expected soon.

An interesting experiment was recently made of roasting some of the low grade of ores, at the Well lead. About twenty tons were submitted to the process. The ore was piled upon a wood heap, in the same manner as is practised in the burning of gold quartz. After the rock became thoroughly heated, the sulphur contained in the ore kept up the heat for nearly a month, reducing the entire weight of the mass one-half. The ore treated was about 7 per cent. of copper; it was raised to 14 per cent. by the roasting—a profitable operation. We understand that a similar plan of roasting has recently been practised, to some extent, at Copperopolis. We should be pleased to learn the particulars, and whether any results of practical value were obtained.

Operations on the Green Lead, near the Zinc House, which were suspended about a year ago, on account of water, will soon be renewed again, the proprietors having determined to put up a steam pump, and proceed to a thorough development of their mine. The Last Chance Company have resumed work again, and have a fine lead, about three feet in thickness. The Well Company are down about 125 feet. This company has probably the largest body of ore yet found in any mine in the State. We have the most abiding confidence that copper mining will yet become one of the leading mineral resources of our State. The result is merely a matter of time and energy. Capital is needed, and, though somewhat timid at present, will nevertheless soon be forthcoming.

MARBLE WORK.—John Daniel, of 408 Pine Street, has just completed a mammoth imposing stone for this office, three feet in width by nine feet in length. A superior imposing stone is an article of just pride with thorough printers, and this one furnished out of California marble, by our old advertiser, would be hard to beat.

THE GOLDEN GATE TREASURE.—The steamer Commodore, formerly running as a freight vessel to Sacramento, has sailed for Manzanillo, with a party fitted out by Thomas J. L. Smiley, to recover the remaining three hundred and fifty thousand dollars treasure of the Golden Gate. They have two of Harrison's steam pumps to clear the sand at the bottom away from the treasure, and as they know exactly, its location, expect to recover the whole of it. The claims of the Underwriters have been compromised, and this expedition goes with their consent.

A child, speaking of his home to a friend, was asked: "Where is your home?" Looking with loving eyes at his mother, he replied:—"Where mother is." Was ever question so beautifully, truthfully, or touchingly answered.

A regiment of soldiers passed through Covington, Kentucky, a few days since, the members of which were worth $1,500,000, when our currency was at par with gold. It was the One Hundred and Seventeenth United States (colored) Regiment.

MILL FOR OWEN'S RIVER.—The Concert Gold and Silver Mining Company, of Owensville, Owen's River Valley, lately shipped a fine ten-stamp quartz mill from San Francisco to their mine, via Aurora, Nevada—a long way around, but at present the shortest way home.

TO CORRESPONDENTS.—A communication with regard to the Potosi mine, from "O. W. F.," was received too late for insertion to-day. It will appear next week.

A young man, formerly of humble circumstances, has an income of $7,000 per day paid him as his share of certain oil lands in Pennsylvania. This amounts to $2,548,000 per annum.

A voter in Massachusetts recovered $8,000 from the Selectmen for refusing to put his name on the poll list.

In water, sound passes 4,708 feet in a second; in air, from 1,130 to 1,142.

For Secretaries' Reference.

Safe Rules for Advertising.

Make your order levying the assessment on any day EXCEPT FRIDAY, and advertise the Assessment Notice on the FIRST FOUR succeeding SATURDAYS, setting the day for delinquent advertising on the FIFTH SATURDAY, and the day of sale on the SEVENTH SATURDAY, or any day thereafter, PREVIOUS to the EIGHTH SATURDAY.

ADVERTISING IN THE INTERIOR.—If the mine or works of the corporation are located in any State or Territory of the United States, notice must be advertised there also, if a newspaper is published in the same county. On this account, SATURDAY is the best day on which to levy assessments, as thereby the longest period possible is gained for transmitting a copy to interior papers, which are usually published on Saturdays.

POSTPONEMENTS.—The date set for advertising delinquent stock, and the day of sale mentioned in either notice, may be *once* postponed for any period not to exceed ten days. Secretaries can avail themselves of this privilege when assessments are levied on Friday and they are obliged to advertise at the mine on Saturday, or desire to publish on that day at the place of incorporation.

ERRORS, OMISSIONS, OR DELAYS are definitely provided for in Section 14 of the new law, whereby it is plain that, if the advertising is delayed, the Secretary can only fix the dates for delinquent advertising and sale to suit the time he is to advertise, and proceed anew.

WHEN PAYABLE.—It is the usual custom to make the assessment "payable immediately," or upon some date within a day or two from the time of levying the assessment, although the law makes no requisition as to this matter.

BLANKS FURNISHED FREE to advertisers in the MINING AND SCIENTIFIC PRESS, for Assessment Notices, Delinquent Sales, Postponements, etc.; also copies of the Assessment Law of 1864. Copies of advertisements, for sending personal notice to shareholders, printed at $1 per hundred.

The PRESS is the most ECONOMICAL advertiser for stockholders, reliable and obliging for Trustees and Secretaries, and merits the patronage of the mining interests.

SWIFT STEAMER.—A little stern-wheel steamer, only 33 feet long, has been built to run between Hartford and Windsor, Conn., a distance of 17 miles, which distance is made in from 40 to 50 minutes. At this rate of speed, our Oakland steamers ought to make their trips from Market street wharf, in this city, to Broadway wharf, Oakland, in about 16 minutes. A line of boats that would make the trip in in 17 minutes would add 20 per cent. in value to all the real estate in Oakland.

PRICES OF PASSAGE.—The steamship Golden City, which left for Panama on Tuesday, took away $1,022,138. The prices of passage by this steamer were as follows: Upper saloon, $187; first cabin, $135; second cabin, $65 steerage, $48. The prices of the Opposition steamer, which sailed the day before, were: Upper saloon, $150; first cabin, $125; second cabin, $65; steerage, $45.

ORE SHIPMENTS.—The Golden City, which left on Tuesday last, took, for Liverpool, 41 sacks of silver ore, valued at $2,500. The ship Belvidere, which cleared on Friday last for Boston, took 27,033 sacks of copper ore, principally from the Union mine at Copperopolis.

THE FIRE ALARM TELEGRAPH.—The contractor for the erection of the San Francisco Fire Alarm Telegraph, Mr. Kennard, of New York, left on the steamer from New York on the 3d inst., for California, taking with him all the apparatus and material, so as to commence the work as soon as he arrives here.

IMMENSE STRUCTURE.—The Parisians are constructing an immense Opera House which, with its dependencies will cover eight acres of ground.

Mining Summary.

CALIFORNIA.

AMADOR.—The *Ledger* says that another quartz mill is soon to be erected in Columbia. The Kearsing brothers have purchased Dr. Pitt's lode and the lot of ground on which his house is located, and will at once commence the erection of a mill on it. There is an abundance of quartz in that vicinity that will pay prospectors good wages if they can only get the rock crushed at fair prices.

A couple of miners working on Walker's ranch, near Columbia, recently found a sack containing about forty pounds of sulphurets, from which they extracted about fifty dollars. The sulphurets had been stolen sometime ago by a Chinaman, from the Oncida Mill, and, being hotly pursued, he threw them away to make good his escape.

CALAVERAS.—The San Andreas *Register*, of the 3d inst., is informed that Rathgeb & Bros., a company of Frenchmen, who have been prospecting a gold-bearing quartz lode at Lower Calaveritas, about three miles from that place, for the last three years, have struck it rich, and that last week they sent below and purchased a ten-stamp quartz mill, which they are about to erect on their claim. They have a large amount of rock on hand, and will commence to crush it as soon as they can get their machinery in operation.

YUBA.—The Blue Gravel Company, at Smartsville, realized from the last clean up of their boxes $65,000 in retorted gold. These are undoubtedly the richest hydraulic claims in the State.

SHASTA.—According to the Shasta *Courier*, the Spring Creek mill cleaned up, for the first week of the present month, after a five days' run, with eight stamps, sixteen pounds of amalgam, worth $90 per pound, and amounting in the aggregate to $1,536—a little over $300 per day. This clearly proves that enterprise and energy alone are necessary to the development of the wealth of this county. There are hundreds of just as good lodes as those belonging to this mill, that might be worked with the same good success if men of means would but wake up to the fact that their money would be better invested in producing wealth to the community, as well as to themselves, than in the old way of bond and mortgage at 2 per cent. per month, which impoverished the borrower, and renders the lender sordid and miserly.

NEVADA.—Accounts from this old mining locality still continue favorable. The Lucky Company has proved itself literally a fountain of gold. Their late crushing of 600 tons was fully up to the previous average of $35 to the ton. The enormous value of this mine may be inferred from the fact that the rock can be taken out and crushed so as to leave a clear profit of fully $25 per ton. The vein is from three to eight feet in thickness, and has been developed for a distance of about 1,000 feet. The mine promises to prove one of the richest on the coast. It is owned by only seven men. They are "lucky" men indeed, and they deserve their success, for they have worked persevereingly on this ground for some eight or nine years, without any remuneration until the present season. If we are not mistaken, we visited the ground, in company with one of the proprietors, as early as the summer of 1855, about which time they commenced work upon their claim. We congratulate them upon their success. An incident in connection herewith occurs to us as we write. In the winter of 1851 we visited Grass Valley, when only two mills were running in that part of the State—a Stockton mill, on Gold Hill, and a Chili mill, on Union Hill. We were standing in the mill on Union Hill, and wishing we were one of the fortunate owners as we saw the sands, yellow with gold, which they took up from the mill and submitted to our inspection. Looking across the creek, our eyes resting upon the very spot where the Lucky Company have since started their tunnel, we suggested to the gentlemen with whom we were conversing that that (pointing to the locality) would be a good place to prospect, and hinted that we wouldn't mind taking hold of it with a small company. Our friend remarked that he had carefully examined the spot for "croppings," but could find none, and thought it would be labor lost. The consequence was that we, as we have done many a time since, "missed an opportunity," and left the valuable prize for the "Lucky" boys to unearth thirteen years later.

The Independent Company, who own the first extension adjoining the Lucky ground, are taking steps to incorporate, on the strength of the recent favorable developments. We understand they have struck the ledge. Their ground is already held at a high figure. Both of these companies also own, in addition to their ledges, what are supposed to be very rich hydraulic diggings, on the upper portion of their ground.

The Wisconsin ledge, some distance south of the town of Grass Valley, owned chiefly by Messrs. Loutzenheiser & McLaughlin, is now being worked, with great success. About 50 tons have recently been crushed, which yielded near $60 to the ton. The proprietors will put up a mill next Spring.

A promising ledge has been struck on the Grass Valley and Nevada road, near Multnnu's works.

Maguire & Co., who own the Washington claim, on Posy Ravine, about a mile from Rough & Ready, have just struck a ledge of valuable quartz, which, it is thought, will be of immense benefit to the company and of importance to the county.

A. A. and John Smith, of Rough & Ready, after prospecting their ledge and satisfying themselves of its value, have commenced the erection of a mill to work their rock and accommodate the owners of other mines in the district. The prospects around Rough & Ready were never brighter than now.

PLUMAS.—A correspondent of the *Alta* writes very encouragingly of the mines of Plumas county. The Indian Valley mine, he says, is hardly second to no other in the State. The company were offered $120,000 for their mine last Summer. He thinks it will soon pay 15 per cent. per month on that sum.

ESMERALDA.

The Del Monte Mill had been stopped a week, but is now running again.

The Crockett is taking out rock that will average $75 to the ton. The Superintendent says the company will soon put on twelve additional hands.

The Unadilla is yielding very rich rock. Sixty or seventy tons have been extracted, which were to be sent to the mill for crushing in a few days.

The Pride of the Eastern Slope, situated on Middle Hill, is yielding a splendid quality of rock. Work upon the lead, which had been suspended for some time, was resumed a few weeks since, and the prospects of the owners are said to be very flattering.

MONTGOMERY DISTRICT.—Great confidence is felt in the richness of the Montgomery district, and the miners are still flocking thither. Should the smelting works prove the success which is anticipated, it will soon be a lively camp. A paper called the *Pioneer*, has recently been started there. A piece of ore, taken by Judge Moore from one of his newly discovered leads in this district, assayed at the rate of $3,700 to the ton. The Judge informs the *Union* that the lead from which the specimen was taken is between six and seven feet in width, and that any amount of a similar quality of rock can be taken out.

Judging from the local reports, we should say that there was of late a decided increase in the activity of the mining interest in and around Aurora. Quite a number of miners have in contemplation the erection of hand quartz mills, after the manner of the Reese River miners. The Esmeralda *Union* states for the benefit of such, that quicksilver flasks, filled with sand, or any other heavy material, make excellent stamps. They are used with much success at Reese River. Twenty-five feet in the Gorgona mining ground was recently sold for $5 per foot. The Gorgona is situated in Montgomery district, and has been worked steadily, and the company have now between 75 and 100 tons of rich ore ready for the furnace or mill. Shipments of bullion are quite regular and large. We condense from the Esmeraldu *Union*:

The smelting works of Messrs. Muncton & Isenbeck were started about the first of the month on Dubuque rock. The result of the operation of these works is looked for with much interest.

An important strike was lately reported in the Young America, in the shaft, forty feet below the level of the tunnel. The lead is said to be four feet wide and apparently quite rich. The *Union* of the 2d inst. says:—Since the rich strike in this mine, about $150,000 worth of bullion has been taken out. No dividend has yet been declared, and shareholders are beginning to despair of ever receiving one. The mine is said to be very rich. We know not whom to blame; therefore we blame nobody. The present officers are striving hard to get things into proper shape, however.

VERMONT is entirely independent of the foreign market in regard to sugar and molasses; not an ounce of imported sugar will be seen in many sections of that State this year. Maple sugar is used, exclusively, in many portions of that State.

IMPROVEMENT IN WORKING SHIPS.—Since 1850, there has been a reduction of one-fifth in the number of men required for a certain amount of tonnage; so that our 175,000 seamen now work an amount of shipping which would have required 220,000 men in 1850.

IN SESSION.—The Legislature of Idaho is now in session and doing considerable work.

A New Method of Extracting Gold from Auriferous Ores.

BY DR. GRACE CALVERT, F. R. S.

At the present time it may be advantageous to persons in gold mining to be made acquainted with a new and simple method of extracting gold from its ores, which presents the advantages of not only dispensing with the costly use of mercury, but of also extracting the silver and copper, as well as the gold, which the ore may contain. Further, it may be stated that the process can be profitably adopted in cases where the amount of gold is small, and the expense of mercury consequently too great. Without entering here into all the details of the numerous (about one hundred) experiments which I made some years since, I will state a few facts which are necessary to give a general view of the subject. If 2.2 parts of pure and finely divided gold, obtained by the reduction of a salt of that metal, be added to 100 parts of pure sand, and placed in a bottle with a saturated solution of chlorine gas for twenty-four hours, only 0.5 of gold is dissolved. If the same experiment be repeated, but instead of chlorine water a mixture of chlorine water and hydrochloric acid be used, 0.6 of gold is dissolved. If, instead of employing hydrochloric acid and chlorine gas, a mixture of sand, reduced gold, and peroxyd of manganese, with hydrochloric acid, are placed in a bottle, 1.4 of gold is dissolved; so that it would appear that, under the influence of nascent chlorine, the gold is more readily dissolved than when the same gas is mixed in solution with hydrochloric acid previous to being placed in contact with the auriferous sand. Still these processes leave a great deal to be desired in a commercial point of view, as more than a third of the gold remains undissolved; and the same results are obtained if the chlorine gas be generated by another method, viz.: by adding to the aurifrous sand a mixture of chlorine of sodium, sulphuric acid, and peroxyd of manganese. Being convinced, therefore, that nascent chlorine gas was a fit and proper agent for cheaply extracting gold from ores, and that it was only necessary to modify the method of operating, I allowed the mixture of hydrochloric acid and peroxyd of manganese, or of sulphuric acid, peroxyd of manganese and chloride of sodium, to remain for twelve hours in contact with the auriferous sand; and then, instead of washing out the solution of gold, I added a small quantity of water, which removed a part of the acting agent, and this was made to percolate several times through the sand; by which method I succeeded in extracting from the sand, within a fraction, the whole of the gold. I then repeated the last experiments with natural auriferous quartz, and easily extracted the two ounces of gold per ton which it contained. I therefore propose the following plan for extracting the gold on a commercial scale: The finely-reduced auriferous quartz should be intimately mixed with about 1 per cent. of peroxyd of manganese; and if common salt be used, this material should be added at the same time as the manganese, in the proportion of three parts of salt to two of manganese. The whole should be then introduced into closed vats, having false bottoms, upon which is laid a quantity of small branches covered with straw, so as to prevent the reduced quartz from filling the holes in the false bottoms. Muriatic acid should then be added if manganese alone is used, and diluted sulphuric acid if manganese and salt have been employed, and, after having left the whole in contact for twelve hours, water should be added so as to fill up the whole space between the false and true bottoms with fluid. This fluid should then be pumped up and allowed to percolate through the mass, and after this has been done several times the fluid should be run off into separate vats for extracting the gold and copper that it may contain. To effect this, old iron is placed in it to precipitate the copper; and after this has been removed, the liquor is heated to drive away the excess of free chlorine, and a concentrated solution of sulphate of protoxyd of iron, or green copperas, is added, which, acting on the gold solution, precipitates the gold in a metallic form. By this method both gold and copper are obtained in a marketable condition. If silver is present in the ore, a slight modification in the process will enable the operator to obtain this metal also. It is simply necessary to generate the chlorine of the vitriol, manganese, and chloride of sodium process, taking care to use an excess of salt, that is, six parts instead of three, as above described. The purpose of this chloride of sodium being to hold in solution any chloride of silver that may have been formed by the action of chlorine on the silver ore, and to extract the metal, the following alteration in the mode of precipitation is necessary. Blades of copper must be placed in the saline solutions, to throw down the silver in a metallic form, then blades of iron to throw down the copper, the gold being then extracted as previously directed. I think the advantage of this process are, 1st, cheapness; 2d, absence of injury to the health of the persons employed; 3d, that not only is the metallic gold in the ore extracted (as is done by mercury), but it attacks and dissolves all gold which may be present in a combined state, besides enabling the miner also to extract what silver and copper the ore may contain.—*Chemical News.*

The eminent position held by Dr. Calvert among chemists, if not among metallurgists, warrant us in offering our readers all the information we have at command on the new propositions made by him for working mixed ores of gold, silver and copper. We have our doubts, however, as to how far they meet our requirements in this State, on the one hand, or, if needed, whether they are in advance of work which has already been done here. Gold has been extracted by the chlorine process with success, in this State, by means which involve less labor, and probably much less expense, than pumping chlorine water and acid—the latter ingredient is likely to involve much trouble and expense on a large scale. We are happy to have good authority for saying that the closing of certain works where this, among other processes, was carried on, was not due to any embarrassment arising from working, as it yielded satisfactory results to both miner and metallurgist. We would observe on the alteration suggested by Dr. Calvert, that if the greatest gain is derived, as his figures suggest, by repeated leaching, that the gain due to the nascent condition of the chlorine in the earlier stage might probably be equally secured by leaching with chlorine water, which would obviate much of the difficulty in pumping, as well as injury to the containing vats.

It will be observed that Dr. Calvert makes no mention of roasting. This was an essential part of the process, as originally applied to auriferous ores; and further, it being one which involves great care, we may conclude that he has not applied it to roasted ores. In the absence of direct experiments, we are certainly not prepared to admit that our silver ores can be rapidly attacked by chlorine in the way proposed. Still less is it simply necessary to generate the chlorine, taking care to use an excess of salt if the purpose of this chloride of sodium is to hold in solution the chloride of silver formed, unless a degree of heat is to be applied, and the quantity of water limited, in a way which would probably add much to the difficulty of using acid among the ore.

SHIPMENT OF PEARLS.—The Golden City took away on her last trip a package of pearls valued at $8,000.

Payment in Advance.—This paper will not be sent to subscribers beyond the term paid for. The publishers well know that a good journal cannot be sustained on the credit system.

Bids for Contract.

Bids for contract to take out from Fifty to One Hundred Tons of Ore, from the claim of the ROSE GOLD MINING COMPANY, in Gentry's Gulch, Mariposa County, will be received. Said ore to be taken from a shaft on the claim, and from a level of eighty feet below the surface. Inquire of or address A. BUETELL, Secretary.
Office, No. 624 Market street San Francisco. 25-4

NEW PENSION, BOUNTY AND BACK PAY AGENCY.

The Proprietors of MINING AND SCIENTIFIC PRESS have established an Agency for prosecuting claims against the United States Government for Pensions, Bounty, and Back Pay.

Discharged Soldiers, and heirs of Deceased Soldiers, will find it for their interest to call upon us for any information relating to the above, as our facilities for preparing the proper evidence, and for collecting claims, are such as will invariably secure prompt returns.

Room No. 11 Government House, Corner Sansome and Washington Streets, San Francisco.
Office of the Mining and Scientific Press.
C. W. M. SMITH, Solicitor.
9v25

JOHN LOCHHEAD'S STEAM ENGINE WORKS,

Bonle Street, near Mission Street,
SAN FRANCISCO.

Steam Engines of every description built to order—Marine, Stationary or Locomotive.
Hoisting and Pumping Engines,
Portable Engines of all sizes; Donkey Pumps, &c., &c.
9v25q JOHN LOCHHEAD, Practical Engineer.

THAT PETRIFIED HONEYCOMB.—The Nevada *Gazette* disposes of the story that has so often been repeated in the Grass Valley papers, of the finding of "petrified honeycomb," in the following manner:—"The article, it is true, bears some resemblance to honeycomb, but not so much as to deceive an observer of ordinary astuteness. It is evidently a vegetable, petrified after the medullary substance had been partially decayed, but while the cellular tissue remained whole. It is well known that the cellular tissue of some vegetables is similar in formation to honeycomb. We do not pretend to know precisely what vegetable furnished the raw material for this really singular petrification; but it is certain that bees had nothing to do with it."

LAUNCH.—The fine new ocean steamship Del Norte, of Holladay's line, was successfully launched from the ship-yard of Henry Owens, on the Potrero, on Tuesday last. This is the first ocean steamer which has been built at this port. She is designed to run between this city and Crescent City and Humboldt. Her engines were taken from the steamer Republic. Her boilers are new, and were made by Coffee & Risdon, of this city.

GREASING A RAILROAD TRACK.—Some persons of an opposite political sympathy recently greased about half a mile of the track on which a special train was to run to a Union meeting, in New Jersey, recently. The grade was ascending, and, of course, the engine stopped, and the passengers were unable to reach their point of destination until the grease was removed from the track.

THE entire railway business of France is done by six companies; the largest of which is the Paris, Lyons and Mediterranean, whose length, including trunk line and branches, is 3,609 miles at an estimated cost of $251,000,000. The working expenses for 1862, were some forty-four per cent. of the gross receipts. The dividend paid was fifteen per cent. and a dividend of fifteen per cent. has just been declared from the profits of 1863.

DR. FRANKLIN is said to have first introduced broom-corn into this country as an agricultural product. He accidentally saw an imported wisp of the corn in the possession of a lady in Philadelphia, and while examining it, discovered a seed which he planted, and from this small beginning has sprung the present product in the United States.

THE nerve of a tooth, not so large as the finest sewing needle, will sometimes drive a man to distraction. A mosquito can make an elephant absolutely mad. The coral rock, which causes a davy to founder, is the work of worms. The warrior that has withstood death in a thousand forms may be killed by an insect.

IN Sweden they send children who are afflicted with whooping cough to the gas works, in order that the change of atmosphere may cure them. In lime producing districts a similar custom prevails—the smell of the burning lime acting as a curative.

CURE FOR A STING.—It is said that the sting of a bee may be cured by pressing a watch-key hard on the place after removing the sting; this prevents the poison from spreading; then apply moist snuff or tobacco, rubbing it well in, and in five minutes all pain will be gone.

A MASON in Limerick, Ireland, lately, hammering a stone, chipped out what he supposed to be a lump of glass. It proved to be a diamond worth five hundred dollars.

TITLES.—Thirty professional searchers are regularly employed in investigating the titles of property in San Francisco.

PREMIUMS.

1st Premium, at Sacramento Fair.....1862

1st Premium, at S. F. Bay District....1862

1st Premium at Sacramento.....1863

1st Premium, at San Francisco.....1864

1st Premium, for Cordials.....1864

1st Premium, for Hygienic Bitters....1864

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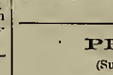

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In connection with the statement of the *Bee*, that the odor of this new turpentine is very much like that of "lemon peel," we may remark that the oil of turpentine and the oil of lemons, although so entirely different in smell and taste, are nevertheless composed of precisely the same elements, combined in precisely the same proportions—an atom of either being formed of a combination of five atoms of carbon and four of hydrogen. This principle of identity of elements and proportions with diversity of properties, is a principle in chemistry known as isomerism, the philosophy of which is still among the things not yet known to man. Housewives have frequently noticed that pies which have been flavored with oil of lemons, after baking, smell rank of turpentine. The principle of "isomerism," as given above, lends us to receive such a statement as a matter of no especial wonder. Neither need we wonder that the "new turpentine described by the *Bee* should smell like "lemon peel."

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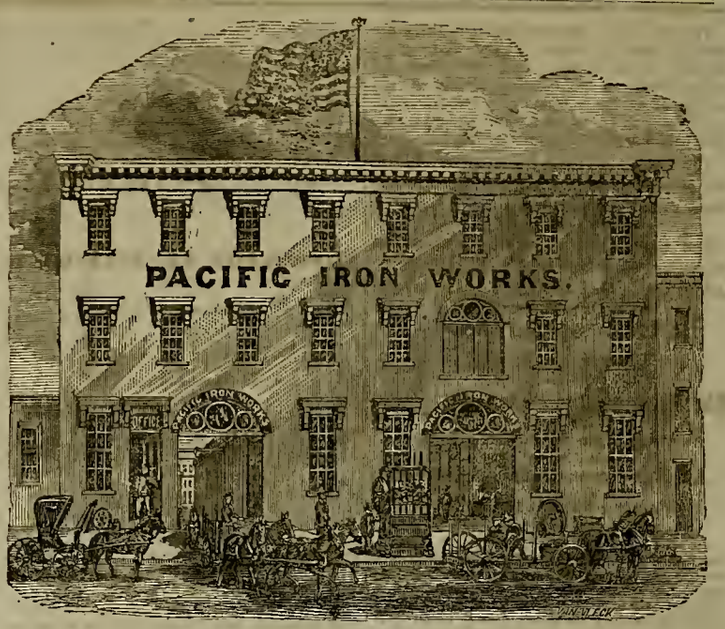

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ALL KINDS OF BRASS AND COMPOSITION CASTINGS AND FINISHING, DONE WITH NEATNESS AND DISPATCH.
CHURCH AND STEAMBOAT BELLS, OF ALL SIZES, made to order. Engineers' Gongs made and hung in the best manner. Bank, Vault, Store and Prison Locks, also brass Padlocks and Shop Locks of various patterns, on hand and made to order.
☞ Particular attention given to casting Rudder Braces and Ship Work in general.
☞ All Jobs promptly attended to.—Prices moderate. ☜
No. 125 First Street, opposite Minna, next door to Pacific Foundry.
[Removed from Oregon street, between Front and Davis.]
j21tf

IT IS SAID SO.—We are told that there are two Irishmen in Bangor, Maine, who receive annually between thirty and forty thousand dollars each, in gold, as dividends of the product of a mine in which they are interested, and in which, for a time, they wrought with their own hands.—*Eastern Exchange.*

The above "fortunate Irishmen" are two of the proprietors of the Allison Ranch mine, Grass Valley, Nevada county.

THE FAMOUS SANITARY FLOUR SACK was taken East, in charge of Mr. Gridley, on the Golden City, which sailed on Tuesday last.

STILL IMPROVING!

VOLUME IX
—OF—
The Mining and Scientific Press
COMMENCED
ON THE FIRST OF JULY, 1864,
WITH
An Enlargement of Its Pages.

Sixty-Four Columns in Each Number.

PUBLISHED EVERY SATURDAY.

THE PROPRIETONS of this useful and now important journal xperience much satisfaction in returning acknowledgements to their ardent friends and rapidly increasing patrons who have substantially contributed to the remarkable success of the Press during the past six months. By aid of the ACCUMULATING PATRONAGE now being properly bestowed upon the

ONLY TRUE MINING AND MECHANICAL MEDIUM

Upon this Coast, we are enabled to prove our appreciation such marked favor by rendering the public one of the

Largest, Handsomest and Most Useful

ournals now published. With this view we shall exert our best energies, and continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,
An Economizer for Mining Advertisers,
Reliable Reporter for Shareholders.
Faithful Monitor for Stockdealers,
An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,
d a Helpmeet to all Industrial Classes,

fact, upon the Pacific Coast. We shall give accurate and quent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies. Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the Inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

SUBSCRIPTION IN ADVANCE.

One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

FOR ADVERTISING

Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

OFFICE In Government House, Nos. 11 and 56, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

Reports of the Exhibition.—Owing to the omission of exhibitors of certain classes to elect committees of award, the Executive Committee of the Institute, at its meeting of Oct. 27th, authorized the President to select a special committee to act in the premises and report upon articles thus inadvertently omitted from the several reports. The report of this special committee, together with a general report of the Executive Committee, will appear in due time.

To News Agents.—After this date we shall furnish no dealers, outside of this city, with the PRESS upon any other terms than those of regular subscription. Those who will forward us the names of new subscribers shall receive liberal commissions.

"THE MINING AND SCIENTIFIC PRESS."—We would call attention to the advertisement of "The Mining and Scientific Press," (Messrs. Dewey & Co., Proprietors), one of the best conducted and most valuable weekly journals published in America.—*Golden Era.*

BLASTING
POWDER.
EDWARD H. PARKER,
No. 224 California Street,
Agent of the
Hazard Powder Company.

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Machinery.

HUNT'S NEW DITCHER.

HAVING SECURED FROM THE INVENTOR THE SOLE right to manufacture these Machines for the States of California and Oregon, and the Territory of Washington, I am now prepared to receive and promptly fill orders for these machines.

With the aid of three men and four horses this Machine will cut a ditch from two to three feet deep, as may be desired, dumping the earth all on one side so as to form a dike or embankment. For particulars send for circular, to

E. O. HUNT,
Windmill Builder, No. 28 Second Street and 110 & 112 Jessie Street, San Francisco. 9v22tf

Volcanic Smelting Furnace.

PERSONS desiring information as to the Use and Economical properties of this Furnace, and intending to make use of the same, when satisfied of its superiority over all other means of reducing ores and separating metals from the sulphurets, can obtain all needed explanation and advice in regard to the same, and the terms of sale of rights to use the same, on application to Col. J. D. Stevenson, or Mrs. E. J. Hall, Proprietress, 633 Third street, San Francisco.

Drawings may be seen at the office of Col. J. D. Stevenson, No. 614 Merchant street.

The time required for reducing ores by this Furnace is from one to three hours, and the amount of fuel only one-tenth as much as is consumed by other processes

The process of condensation is applied to this Furnace which will save all those portions of precious metals which usually escape in a volatile form.

The attention of all interested in the subject is requested to examine the important results obtained by this process.

Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.

v9-20tf **MRS. E. J. HALL, M. D.,** Proprietress.

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE. E. TYLER. WM. P. BLAKE.
Idaho City. Michigan Bluff. San Francisco.
1-3m

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canada, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
15v8-3m Golden State Iron Works, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE
Self-Regulating Horse Power

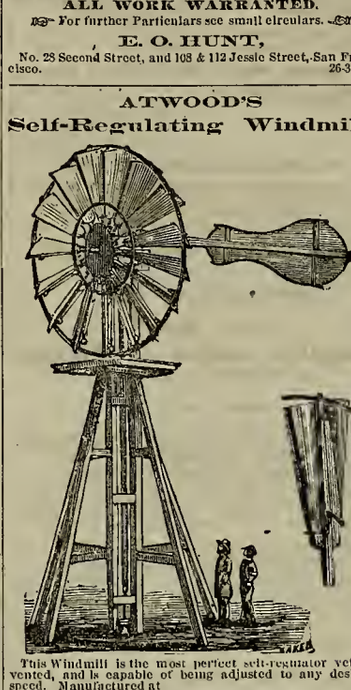
Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S
Self-Regulating Windmill.



This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

Hudson's Improved Pump,

For sale and made to order any size desirable. Call and see..

Plumbing and Gas Fitting in all its Branches.

No. 33 Webb Street, Entrance on California or Sacramento, above Montgomery.
9-dfatf **A. J. SMITH,**

FARRAND'S
Oscillating Amalgamator,
RECEIVED THE
ONLY PREMIUM
AWARDED FOR AMAGAMATORS
At the Recent Industrial Fair
OF THE
Mechanics' Institute of San Francisco.

Committee of Awards.

O. BELDEN, W. T. GARRATT, H. P. WAKELEE,
O. GOAT, GEO. JOHNSON, C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, whilst the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulphurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,
R. L. OGDEN, Agent, SAN FRANCISCO.
S. E. corner Montgomery and California streets.
v9-19

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

*** These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.
no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

[Illustrated in the Mining and Scientific Press, April 9th, 864.] HEPBURN & PETERSON.
nov8 3m*

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surfaces to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.
sep21

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver, amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on waste sands, from which it is taking out an average of 3¼ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a square or iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,
To whom all orders should be addressed. 15

TO QUARTZ MINERS.
Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,
At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
15-1m

New Mining Notices.

New Year Diggings Gold and Silver Quartz Mining Company, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately, in United States gold and silver coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of January, 1865, to pay the delinquent assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street, San Francisco.
dec17-25-4

Bay State Gold and Silver Mining Company, Turnback District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 15th day of December, 1864, in United States gold and silver coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.

Office, S. E. Corner of Second and Howard streets, San Francisco. dec17-25-4

La Liberlad Gold and Silver Mining Company, Canchillas District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of December, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 14th day of December, 1864, in United States gold and silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the Saturday the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. dec17-25-4

George Washington Gold and Silver Mining Company, Silver Mountain, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 12th day of December, 1864, an assessment (No. 3) of 50 cents per share was levied upon the capital stock of said company, for the months of December and January, payable immediately to the Secretary, or to S. A. HAWKINS, Superintendent, at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 4th day of February, 1865, at the office of the company.

Assessment No. 4 of 50 cents per share, for the months of February and March, 1865, due and payable as above on the 13th day of February, 1865. Any stock upon which said assessment shall remain unpaid on the 11th day of March, 1865, will be advertised on that day as delinquent, and sold on the 25th day of March, 1865, at the office of the company. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. 25

Mountain Gold and Silver Mining Company No. 1, Located at Silver Mountain, Alpine County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, at the office of the Company, Silver Mountain, an assessment of two dollar per share was levied upon the capital stock of said company, payable on or before the 3d day of January, 1865, in United States gold coin, to the Secretary, at his office, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Tuesday the 3d day of January, 1865, will be advertised on the 7th day of January, 1865, as delinquent, and unless payment shall be made before, will be sold on the 25th day of January, 1865, at the office of the company, in the town of Silver Mountain, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

DE WITT C. RIDDELL, Secretary.

N. B.—All Stockholders in the above named company are requested to send their address to the Secretary, at Silver Mountain, Alpine County. 25

Ashland Mining Company, Moss Lode, San Francisco District, Arizona.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 16th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L G Redfield	5	100	50 00
L G Redfield	6	20	10 00
L C Redfield	7	20	10 00
L G Redfield	8	20	10 00
L C Redfield	9	20	10 00
L C Redfield	10	20	10 00
B H Cottle	11	100	50 00
W Cunningham	15	5	2 50
W Cunningham	16	5	2 50
F J Hughes	20	10	2 50
F J Hughes	21	10	5 00
J J Kelly	24	20	10 00
J M Drish	25	5	2 50
J H Davis	31	20	10 00
E Fairman	32	5	2 50
George Sinclair	33	5	2 50
H Hancock	36	5	2 50
Jno Wilson	53	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of November, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Edwards, McGrew & Olney, No. 626 Montgomery Street, on the 3d day of January, 1865, at the hour of 10 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. T. KNOX, Secretary.

Office, No. 613 Montgomery street. dec17-25

Mammoth Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 12th day December, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, or to H. D. Scott, Superintendent at Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street (Room No. 5 up stairs), San Francisco. dec17-25-4

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment (No. 2) of 25 cents per share was levied upon the capital stock of said Company, payable immediately United States gold and silver coin, to the Secretary, A. Buetell, No. 624 Market street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 25th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 624 Market street, and corner of California street, San Francisco. dec17-25-4

El Toro Gold and Silver Mining Company Concordia District, Panuco, Sinaloa, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 2d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Bouney, George	90	7	$14 00
Boyd, J C	126	5	10 00
Bodeu, Penelopo	127	8	10 00
Clement, E B	52	5	10 00
Clement, E B	53	5	10 00
Clement, E B	54	5	10 00
Clement, E B	55	5	10 00
Clement, E B	56	5	10 00
Clement, E B	57	5	10 00
Colbourne, Richard	97	7	14 00
Bayley, J C	117	10	20 00
Farwell, W B	82	5	10 00
Farwell, W B	83	5	10 00
Farwell, W B	84	5	10 00
Fox, H L	32	5	10 00
Fox, H L	33	5	10 00
Fox, H L	34	5	10 00
Greer, John	92	8	16 00
Hinckley, C E	86	7	14 00
Lammot, H D	35	5	10 00
Lammot, H D	36	5	10 00
Lammot, H D	37	5	10 00
Lawton, Franklin	115	95	50 00
Miller, J Frank	73	5	10 00
Miller, J Frank	74	5	10 00
Miller, J Frank	75	5	10 00
Miller, J Frank	108	7	14 00
Miller, J Frank	109	15	30 00
Struver, J	45	15	30 00
Selleck, Silas	20	15	30 00
Selleck, Silas	21	7	14 00
Silverthorn, W H	58	10	20 00
Silverthorn, W H	59	5	10 00
Soren, George S	41	2	4 00
Soren, George S	42	2	4 00
Soren, George S	43	2	4 00
Soren, George S	44	1	2 00
Schimpf, J W	93	7	14 00
Titcomb, John H	15	5	10 00
Titcomb, John H	16	10	20 00
Tanis, Sampson	38	5	10 00
Tanis, Sampson	39	5	10 00
Tanis, Sampson	40	5	10 00
Turall, H H	85	8	16 00

And in accordance with law, and an order of the Board of Trustees made on the 10th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 31st day of December, 1864, at hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

FORD H. ROGERS, Secretary.

Office, No. 617½ Montgomery street, San Francisco, Cal. 25

Bella Vista Gold and Silver Mining Company, Canchillas District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 11th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R S Edgcomb	64 65 60	18	$11 70
John Shirley	134 135 136 137 138 139	54	35 10
J B Lynde	148	18	11 70
H L Chamberlain	125	36	23 40
J P Molt	45 116 47	18	11 70
Mrs J Collins	19	5	3 25
John Thomas	163	25	16 25
Thomas Evans	164	25	16 25
Godfrey Haigitt	109	10	6 50
S B Thompson	171	20	13 00
R R Strein	172	25	16 25
W A Dana 75 76 77 78 77		144	93 60

And in accordance with law and an order of the Board of Trustees, made on the 11th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 31st day of December, 1864, at the hour of 2 o'clock P. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. FULLER, Secretary.

Office, No. 326 Clay street, San Francisco. [dec17-21

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS.

Our Circulation.—THE MINING AND SCIENTIFIC PRESS has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

BY AUTHORITY OF THE STATE OF CALIFORNIA.

Having fully complied with the law by a deposit of $525,000 bonds of the State of California and the United States

BIGELOW & BROTHER,

GENERAL INSURANCE AGENTS,

FIRE, MARINE AND LIFE INSURANCE,

Capital Represented.....$15,000,000.

California Deposit.....$525,000.

Office Northwest corner Sacramento and Montgomery streets, and Northwest corner Front and California streets.

LIFE, MARINE AND FIRE COMPANIES,

HARTFORD FIRE INSURANCE COMPANY, Assets	$1,500,000
HOME INSURANCE COMPANY, of New York, Assets	3,400,000
SECURITY INSURANCE COMPANY, of New York, Assets	2,000,000
PHŒNIX INSURANCE COMPANY, of New York, Assets	1,000,000
ARCTIC INSURANCE COMPANY, of New York, Assets	600,000
WASHINGTON INSURANCE COMPANY, of New York, Assets	600,000
CONNECTICUT MUTUAL LIFE INSURANCE COMPANY, of Hartford, Conn.	

Policies issued on Freights, Cargoes, and Treasure, from and to All Parts of the World. Voyage War Risks taken on Hulls.

Fire Insurance Policies issued on all kinds of Insurable Property in the Country or City. Losses Payable in Gold Coin of the United States.

We represent the Oldest and Best Companies in the United States, and offer as favorable terms as any agency on this Coast.

Losses paid immediately on adjustment.

BIGELOW & BROTHER,

17-6m **General Agents.**

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 15th day of November, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
L P Brooks	5 18	200	$200 00
Jaques Veiller	19 34	200	200 00
John Sharboro	36 37	50	50 00
W Beck	39 40	200	200 00
James Hunter	not issued	200	200 00
James Phelan	not issued	200	200 00

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of December, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Edwards, McGrew & Olney, on the 31st day of December, 1864, at the hour of 11 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street. dec17-25

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 5th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
A P Stanford	69	53	$132 50
S Heydenfeldt	89	10	25 00
S Heydenfeldt	106	10	25 00
S Heydenfeldt	107	10	25 00
S Heydenfeldt	108	10	25 00
S Heydenfeldt	109	10	25 00
S Heydenfeldt	110	10	25 00
S Heydenfeldt	111	3	7 50
B Monroe	98	5	12 50
B Monroe	100	10	25 00
B Monroe	124	10	25 00
B Monroe	125	3	7 50
B Monroe	126	2	5 00
B Monroe	127	5	12 50
B Monroe	128	5	12 50
B Monroe	129	5	12 00
B Monroe	130	5	12 50
B Monroe	131	5	12 50
B Monroe	132	5	12 50
H P Briscoe	49	10	25 00
I A Dun	135	30	75 00
Ceo Eidenmillor	104	13	32 50
J M P Fesseuden	75	5	12 50
David A Bagley	105	10	25 00
J B Fargo	120	5	12 50
L R Dyer	certif not issued	6	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No 418 Montgomery street, on Saturday, the 24th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. 24

COPIES OF PATENT CLAIMS.—We will promptly furnish, for a moderate fee, a copy of the *claim* of any patent issued by the U. S. Patent Office since the year 1836, on receiving the full name of the patentee, nature of his invention, date of the patent, and address of the person desiring the information.

Notice.

All those having claims against the Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, California, are requested to send in their claims or bills on or before the 7th day of January, 1865, to the Secretary, as none will be accepted after that date, the company being in liquidation, and ready to dissolve on or about that date. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary.

Office, Corner Post and Dupont street, San Francisco.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public, and recommended as an investment.

Full Paid and Unassessable Stock.

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company, 406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON.

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. jltf

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California, containing 320 acres.

CAPITAL STOCK.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 23 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS.....San Francisco.
GEO. H. BAKER.....San Francisco.
P. T. ARCHAMBOU.....Geyserville.
19-3m

Important to Californians.—Many inventors have lately had their claims for Patents seriously (and in some cases fatally) delayed by the unqualification of agents who have not complied with the Government license and revenue laws, as well as other new and imperative regulations These discrepancies, although arising from the inexperience of honest agents, are none the less dangerous to applicants for patents, whose safest course is to trust their business with none but active and experienced solicitors. THE MINING AND SCIENTIFIC PRESS PATENT AGENCY has strictly complied with the requisitions of the Department, and properly filed all necessary papers as Claim Agents.

"STAND FROM UNDER."

On or about the 1st of January, 1865, we intend publishing a list of the Mining Companies which have long remained delinquent upon our books for advertising, together with the names of the Secretaries and Trustees, in cases where ample reasons for non-payment are not given. We intend that this list shall be a public warning. Let those interested read and heed.

POTOSI CO., vs. BAJAZET COMPANY.

EDS. PRESS:—I should like to make a few remarks, through the medium of your valuable paper upon the decision of Judge Mesick in this case in which he denies to the plaintiffs the right of injunction as against the defendants. This decision was known to a favored few, for some ten days previous to its being delivered, and as rumors of what it would be, had leaked out, most people were to some extent prepared for it.

To say that the imbecility of the argument, and the pucrility of the technical point upon which this decision was based, created a universal feeling of mingled astouishment and disgust, would be to convey but a faint idea of the sensation it created. It had been the general opinion that the Judge would take advantage of the numerous points involved in the case, and of the question placed before him in argument to base thereon an able decision, which should be worthy of the leading nominee for the district Judgeship. But he has let the opportunity go by, for distinguishing himself, and has delivered, instead, a decision based upon a point not even touched upon in the hearing of the case, and one which as far as any legal talent it displays, would be discreditable to a legal tyro of a few months practice. It would ill become me, as a member of the bar of Nevada, to refer particularly to the rumors afloat, as to the influence which has been brought to bear upon this matter. Yours &c.

LEX.

A native of Russia has discovered a process by which timber, though newly felled, may become so hard as to resist the influence of the most trying climate for an almost indefinite period. The most curious part of the invention is, that it does not involve the use of chemicals of any sort, such as steeping in creosote, &c., and that the process is applied to the tree while growing. The inventor is now making arrangements for the supply of his timber to railway contractors in England, and will not require any remuneration further than the amount which would be paid for ordinary timber, until the period shall have clasped beyond which the ordinary railway sleepers, telegraph-poles, &c, require to be replaced. The best railway sleepers require renewing at intervals of from four to six years; but the inventor of the new process of preparing timber asserts that he will supply an article which need not be disturbed for fifty years.

THE Virginia *Union* is informed that parties have arrived there for the purpose of inspecting the mines at that place and about Gold Hill, on account of certain heavy capitalists in New York, who wish to invest in the purchase of some good silver mine. Since the death of "wildcat" stocks these moneyed New Yorkers have become very favorably impressed with the idea of investing in our mines, hence these agents which they send among us.

MINING SPECULATION IN BOSTON.—The mining stocks now on the Boston market represent no less than 248 enterprises, as follows: Lake Superior copper mines, 76; Canada copper mines, 39; other copper mines, 14; gold mines, 40; coal mines, 41; iron mines, 8; lead mines, 12; mineral land and mining companies, 11; plumbago mines, 3; antimony, 2. In addition to which there are five petroleum companies. The figures are compiled from a list published by authority of the Boston Board of Brokers.

THE Russian Government encourages marriage among its soldiers. provides the couple with a house, supports them. rears their children, but takes away all the boys at a tender age and sends them to military garrisons. there to be trained for the army. There are 300,000 of this kind of soldiers now in the Russian army.

THE Comstock lead is found to bend strongly to the east in the vicinty of the Sierra Nevada works. The company named have expended a great amount of money in drifting west for the lend without any satisfactory result. Now, however, they are drifting eastward, with every indication of shortly finding the main lead. They are finding good quartz. So says the Territorial *Enterprise*.

MINING DITCH.—There is only one mining ditch in San Joaquin county that is assessed. It is nineteen miles in length, and is valued at $6,000.

MR. BEECHER says there are many persons who think that Sunday is a sponge with which to wipe out the sins of the week.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the nonperformance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew

BOUND VOLUMES READY.—Bound copies of Volume VIII of the MINING AND SCIENTIFIC PRESS, due the following honorable gentlemen, are now ready, and will be forwarded on receipt of their orders for the same:

Honorable Seth Martin, Nevada.
" R. A. Clark, Omon Valley, Plumas.
" J. P. Rhodes, Sacramento.
" A. A. Smith, Nevada.
" S. S. Littlefield, Siskiyou.
" E. H. Snyder, Placer.
" O. P. Stidger, Nevada.

Give us directions how to send them, gentlemen.

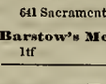
How to make your Remittances.—In most of the mining towns, bankers will furnish checks on San Francisco at par, (or at a very slight advance) to those who wish to pay us for subscriptions, advertising, mining blanks, etc When it is more convenient, money may be remitted by mail at our risk if the parties sending will register their letters. Money sent by mail is seldom lost if properly enclosed. An excellent method is that of opening the layers of a card, placing the coins between the layers and sealing the edges together.

HATS, HATS.

The Largest Assortment
—OF—
HATS AND CAPS
—IS AT—
Meussdorffer's Hat Manufactory,
635 and 637 Commercial Street,
Between Montgomery and Kearny,
SAN FRANCISCO,
WHICH HE OFFERS FOR SALE
WHOLESALE AND RETAIL.

NATHANIEL GRAY,
General Furnishing Undertaker,
641 Sacramento St., corner of Webb, San Francisco.
Barstow's Metallic Burial Caskets and Cases.
1tf

Palmer's Patent
ARTIFICIAL LEG,
Manufactured in Philadelphia, Penn.
JARVIS JEWETT, AGENT.
529 Washington Street, San Francisco, Cal. 10v8-1m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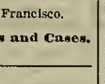

☞ Extracting Without Pain. ☜
Drs. Whitcomb & Dyer,
DENTISTS,
[Successors to W. H. Irwin.]
No. 205 Third Street, near Howard,
18-v9 SAN FRANCISCO.

Mining Notices--Continued.

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable immediately, in United States gold and silver coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. A. HILL, Secretary,
Office, No. 418 Montgomery Street, San Francisco, Cal.
dec3-23-4

Blue Ledge Gold and Silver Quartz Mining Company, Keisey District, El Dorado County, California.

The office of the above named company has been removed to Room No. 5, Government House, on the corner of Washington and Sansome streets. V. B. POST, Secretary.
San Francisco, November 14, 1864. 21

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of two dollars per share was levied upon the capital stock of said company, payable on the 22d day of November, 1864, in United States gold coin, to the Secretary, at his office, or to JAS. V. COFFEY, Virginia City, Nevada.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturay, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Nos. S & 10 Government House, corner of Washington and Sansome Streets, San Francisco. nov26-22-4

Comstock Gold, Silver and Copper Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of December, 1864, an assessment of $2.50 per share was levied upon the capital stock of said company, payable immediately in United States gold and silver coin, to the Secretary, at room No. 9 Mercantile Library Building, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHAS. H. PLATT, Secretary.
Office, Room No. 9. Mercantile Library Building, N. E. cor. Bush and Montgomery sts., San Francisco. [dec10 24-4

Chandler Gold and Silver Mining Company, Location of Works—Lyon County, Nevada.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, of 50 cents per share, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Jas E Freeman	4	40	$20 00
John Armitage	8	40	20 00
H S McElroy	13	40	20 00
A J Murray	14	40	20 00
A Warner	17	40	20 00
R Rowe	18	40	20 00
G Percival	19 25	80	40 00
Wm Curry and Jones	20	40	20 00
Ayers & Co.	27 30	40	20 00
R S Dunmont	31 34	40	20 00
M V B Stacy	35	2	1 00
L H Alau	39 42	20	10 00
G Sherwood	47 50	20	10 00
Wm H Boland	58	5	2 50
E P McCrea	66	40	20 00
T Drum	67	7	3 50
D Fulton	68	5	2 50
Wm Birch	69	1	50
S Wells	70	1	50
F Mediua	76	2	1 00
H Christio	97 77	4	2 00
M Prendevillo	78	1	50
T Warwick	80	4	2 00
J L Burns	82	5	2 50
R R Swain	1 84 85	120	60 00
Wm Haseltino	3 86 87	110	55 00
J S Meyer	7 88	80	40 00
J McChord	89	40	20 00
M Aheru	not issued	20	10 00
J F Barrett	90	20	10 00
F Hall	91	2	1 00
C L Placa	96	40	20 00
J T Ryau	98 99	10	5 00
E S Rowe	100	40	20 00
S Tetlow	101	40	20 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 28th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale. J. S. MEYER, Secretary

Office, 321 Montgomery street. 24

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, Nevada.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of December, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said company, payable on the 2d day of December, 1864, in United States gold and silver coin, to the Secretary, in San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 31st day of December, 1864, will be advertised on that day as delinquent, and unless payment, shall be made before, will be sold on Saturday, the 14th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary.
Office, No, 204 Front street, San Francisco, California.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is postponed until Saturday, the 7th day of January, 1865, and the sale thereof is postponed until Saturday, January, 21st, 1865. By order of the Board of Trustees. JOHN J. SCOTCHLER, Secretary.
dec10-24-4

Empress Gold and Silver Mining Company, Gold Hill Mining District, Storey Co., State of Nevada.

Notice is hereby given, that at a meeting of the Board o Trustees of said Company, held on the 25th day of November, 1864 an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 26th day of November, 1864, in United States gold or silver coin to the Secretary, at the office of said company, No. 540 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 30th day of December, 1864, will be advertised on Saturday, the 31st day of December, 1864, as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 20th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By orderof the Board of Trustees.

RALPH EMERSON, Secretary.
Office, No. 540 Clay Street. nov26-22-4

Fortune Mining Company, Mineral Spring District, Calaveras County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.
Office, No. 522 Clay street, San Francisco. [dec10-24-4

Good Hope Gold and Silver Mining Company, Alpine District, Alpine County, Cal.

Notice.—There are delinquent upon the following described stock on account of Assessment levied on the first day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount
I Campbell	107	12½	$3 12
E A Dowd	25	10	2 50
J H Phillips	28	25	6 25
C L F Brown	54	5	1 25
C L F Brown	55	5	1 25
F A S Jones	88	25	5 25
C A Fitch	99	10	2 50
M L Doom	106	2½	63
Orlando Weed	1:5	10	2 50
Jacob Hanson	2.6	10	2 50
G R Poseu	128	5	1 25
Jas Arthur	139	20	5 00
Jas Arthur	150	5	1 25
M Daly	142	10	2 50
J C Marston	144	10	2 50
J C Marston	152	15	3 75
Jos Cribbs	149	10	2 50
C A Johnson	154	10	2 50
J S Lamb	155	10	2 50
E Casey	163	8	2 00
C Stackpolo	164	10	2 50
Mrs M F Howe	168	5	1 25
Mrs E S Howe	169	5	1 25

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of November 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 526 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

PRESTON MORRIS, Secretary.
Office, No. 526 Montgomery street, San Francisco. [23

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 1st day of November, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
J C Beideman	100	30	$30 00
Peter Brown	309	17	17 00
J G Chittenden	191	10	10 00
R W Coffin	345	10	10 00
J H Downing	119	30	30 00
H T Dorranee	212	8	8 00
H T Dorranca	213	7	7 00
John Dugan	343	6	6 00
E R Hawley	269	25	25 00
E R Hawley	270	25	25 00
Hopps & McAbee	284	40	40 00
A P Hodgden	322	15	15 00
A H Jordan	280	25	25 00
A H Jordan	287	25	25 00
W H Keep	211	10	10 00
W H Knapp	70	10	10 00
W H Knapp	71	10	10 00
W H Knapp	73	15	15 00
W H Knapp	74	20	20 00
W H Knapp	70	15	15 00
W H Knapp	77	25	25 00
W H Knapp	98	10	10 00
H Kilham	235	10	20 00
H Kilham	236	10	10 00
H Kilham	237	5	5 00
H Kilham	238	5	5 00
H Kilham	239	5	5 00
H Kilham	240	5	5 00
H Kilham	241	5	5 00
H Kilham	242	5	5 00
R G McClellan	20	50	50 00
R G McClellan	220	25	25 00
R G McClellan	231	25	25 00
R G McClellan	299	10	10 00
R G McClellan	346	50	50 00
W E Mayhew	111	20	20 00
W E Mayhew	348	20	20 00
Chas McDonald	183	5	5 00
Chas McDonald	224	15	15 00
Alex McAbee	242	10	10 00
C F Nolte	245	20	20 00
J M Platt	280	5	5 00
A E Slavan	115	10	10 00
T H Stevens	311	10	10 00
T H Stevens	312	5	5 00
M T Ward	285	10	10 00
Wm Wludsor	207	10	10 00
Wm Windsor	222	15	15 00
Wm Windsor	250	0	9 00
Wm Windsor	251	4	4 00
Wm Windsor	252	9	9 00
Wm Windsor	271	25	25 00
Wm Windsor	288	1	1 00
Wm Wiadsor	289	1	1 00
Wm Windsor	292	1	1 00
Wm Wiadsor	303	10	20 00
Wm Windsor	304	2	2 00
Wm Windsor	307	5	5 00
Wm Windsor	310	8	8 00

And in accordance with law, and an order of the Board of Trustees, made on the 1st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, by Maurice Dore & Co., at their salesroom, No. 327 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

C. W. HAYDEN, Secretary.
Office, No. 522 Montgomery street, San Francisco. 23

Notice.

THE Annual Meeting of the Stockholders of the Colorado Silver and Copper Mining Company (Arizona Territory), will be held at the Company's office, No. 523 Clay street, San Francisco, on Monday, December 26th, 1864, at 3 o'clock P. M., for the election of Trustees, and the transaction of any other business that may properly come before it.

21-4 B. W. MUDGE, Secretary

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.
Office, 11 Government House, corner Washington and Sansome streets, San Francisco.

Keokuk Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of 10 cents per share was levied on the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin to the Secretary, at his office, No. 322 Front street.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 23d day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.
Office, 322 Front street. dec10-24-4

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 5th day of November, 1864, the several amounts set opposite the name of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W C Root	48	25	$125 00
C J Mosely	1d	25	125 00
A Powell, Jr	14	25	1.5 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 418 Montgomery street, on Saturday, the 24th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.
Office, No. 418 Montgomery street, San Francisco, California. decl0-24

Mechanics' Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of five cents per share was levied upon the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 322 Front street.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 23d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

A. B. WINEGAR, Secretary.
Office, No. 322 Front street, San Francisco. [dec10-24-4

McElroy Gold and Silver Mining Company, Location of Works—Lyon County, State of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, of fifty cents per share, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Jas E Freeman	5	40	$20 00
John Armitage	9	40	20 00
H S McElroy	14	40	20 00
A J Murray	15	40	20 00
A Warner	18	40	20 00
R Rowe	19	40	20 00
G Percival	20 20	80	40 00
Wm Curry and D Jones	27	40	20 00
Ayers & Co	28 31	40	20 00
R S Dunmont,	32 35	40	20 00
M V B Story	36	2	1 00
Chas Chandler	40	4	2 00
E Hult	41	2	1 00
H B Chandler	42	4	2 00
L H Allen	43 40	20	10 00
G Sherwood	47 50	20	10 00
Wm H Boland	57	5	2 50
E P McCrea	64	40	20 00
D Fulton	65	5	2 50
T Drumm	60	7	3 50
S Wells	68	2	1 00
H Christlo	75	2	1 00
H Christie	94	2	1 00
Thos Warwick	70	4	2 00
M Preudeville	77	1	50
R R Swain	4 79 80	120	60 00
Wm Haseltiao	3 81 82	110	55 00
J S Meyer	8 83	80	40 00
J McCbord	85	40	20 00
M Ahern	not issued	20	10 00
J F Barrett	86	20	10 00
F Hall	87	2	1 00
S Rudloll	88	2	1 00
W Meeks	90	2	1 00
C L Place	03	40	20 00
J T Ryau	95 96	10	5 00
E S Rowe	97	40	20 00
S Tetlow	98	40	20 00
A B Wood	99	2	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 28th day of December, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.
Office, No. 321 Montgomery st., San Francisco. 24

Mammoth Gold and Silver Mining Company, Rock Spring District, San Bernardino County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 19th day of November, 1864, an assessment of sixty cents per share was levied upon the capital stock of said Company, payable on the 21st day of November, 1864, in United States gold or silver coin, to the Secretary, at the office of the company, No. 61 Clay Street, Room 8, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 9th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

nov26-22-4 GEORGE BOWER, Secretary.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe o be a sensible motto.

New Era Copper Mining Company, Salt Spring District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 18th day of November, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 19th day of November, 1864, in United States gold coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. B. TOWLE, Secretary.
Office, S. W. Corner of Stockton and Washington streets, San Francisco, nov19-21 5

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, Nev.

NOTICE.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 7th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L Tesmah	183	5	2 50

And in accordance with law and an order of the Board of Trustees, made on the 7th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 28th day of December, 1864, at the hour of 11 o'clock, A. M., of said day to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEO. H. PECK, Secretary.
Office, Corner Broadway and Sansome streets, San Francisco, California. dec12-24-4

Ontario Mining Company, Little Miami Ledge, Reese River Mining District, Lander County, Nevada.

NOTICE.—There is delinquent upon the following described stock, on account of Assessment levied on the 17th day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificates.	No. Shares.	Amount.
Ira Wadleigh	1	80	$20 00
Ira Wadleigh	3 to 7 inc-ea 40	200	50 00
Ira Wadleigh	8 to 25 inc-ea 20	360	00 00
J B Barnett	26	50	12 50
J B Barnett	27 28-ea 20	40	10 00
Samuel Titus	48	90	22 50
W H Gladwin (Ira Wadleigh)	54	80	20 00
C Greenwood	56	100	25 00
C Greenwood	57	50	12 50
C Greenwood	58 59 60-ea 25	75	18 75
C Greenwood	61 62-ea 20	40	10 00
C Greenwood	03 64-ea 10	20	5 00
C Greenwood	65 66 67 68		
	69 70 71-ea 5	35	8 75

And in accordance with law, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery st., San Francisco, California, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment, together with costs of advertising and expenses of the sale.

C. H. BURTON, Secretary.
Office, Room No. 4, N. W. corner Clay and Front streets, San Francisco, California. 23

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kanll	3	33 1-3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parriaton	11	15 2 3	50
R C Jacobs	32, 137	39 1-3	119
J J Corrigan	133	31	93
J F Dorland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Brownell	118, 139, 140	15 2-3	47
Miss M A Phillips	54, 55, 56		
	67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Sammis	87, 114	24 1-3	73
Mrs H A R Carter	155	3 1-2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	162	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palache	99, 100, 145	29 2 3	89
Mrs Aana Lelaad	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	90
John Todd	105, 144	8 2-3	25
E G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	0
O F Tibbetts	120	8 1 3	25
S C Peck	128	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	157	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	109	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.
8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.
10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.
15 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Roba Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin to the Secretary, at the office of the Company, No. 35 Exchange Building, in the city of San Francisco, California, or to E. S. DAVIS at Austin.

Any stock upon which said assessment shall remain unpaid on Saturday the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 9th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WM. W. KNIGHT, Secretary.
Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. nov26-22-4

Rogers' Silver Mining Company, Flowery District, Storey County, State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 1st day of December, 1864, an assessment of two dollars per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, at his office, No. 103 California street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Thursday the 5th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold at public auction on Monday the 23d day of January, 1865, at 12 o'clock M. of that day, by John Middleton & Son, at No. 400 Montgomery street, San Francisco, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JNO. F. POPE, Secretary.
San Francisco, Dec. 3, 1864. 23-4

Sisters and Augusta Gold and Silver Mining Companies. Location—Augusta District, Lander County, Nevada Territory.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 19th day of September, 1864, the several amounts set opposite the names of the respective shareholders as follows:

SISTERS MINING COMPANY.

Names.	No. Certificate.	No. Shares.	Amount.
Farrell, M J	95	50	$7 50
Fisher, W F	101	7	95
Moffet, John	58 59	100	15 00
Muller, Ed	21 22	23	27½ 4 13
Parker, A H	10 12 14 15	16	150 22 50
Welch, G W	29 30	50	7 50

AUGUSTA MINING COMPANY.

Bates, C M	29	125	18 75
Fairbanks, H T	52	50	7 50
Farrell, M J	75	175	26 25
Muller, Ed 19 20 21 22 23	24	0.4½	9 98
Morrison, Robt	28	125	18 75
Parker, A H	17	25	3 75
Scott, R H 53 54 55	56	800	120 00
Stoaks, B F	70	50	7 50
Welch, G W	32	25	3 75

And in accordance with law and an order of the Board of Trustees, made on the 19th day of September, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 5th day of December, 1864, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

L. C. DODGE, Secretary.
Office No. 406 Front street, San Francisco, Cal. 21

POSTPONEMENT.—The above sale is postponed until Thursday, December 15th, 1864, at the same place and hour. By order of the Board of Trustees.
23-2t L. C. DODGE, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Friday, the 23d day of December, 1864. By order of the Board of Trustees. L. C. DODGE, Secretary.
24-2

Santa Cruz Petroleum Oil Works Company, Santa Cruz County, California.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 31st day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Broughton, W W	385	100	$12 50
Broughton, W W	419	52	6 50
Broughton, W W	429	100	12 50
Beanet, Mary S	205	10	1 25
Bennet, Mary S	305	1	12
Boyntoa, J F	230	1	12
Bennett Dr Geo	306	3	37
Beaaett, Dr Geo	307	10	1 25
Bennett, Dr Geo	308	10	1 25
Brennan, James	591	300	37 50
Boynton, Miss J	477	10	1 25
Baldwia, A	455	100	12 50
Bralley, Pat	505	10	1 25
Bralley, Pat	556	10	1 25
Blaisdell, Mrs E F	71	10	1 25
Blaisdell, Mrs E F	259	1	12
Blaisdell, Mrs E F	462	10	1 25
Cummings, Chas O	87	1	12
Cummings, Chas O	88	2	25
Cosgrove, P C	133	5	62
Cosgrove, P C	130	5	62
Carr, Mrs A L	211	5	02
Carr, Mrs A L	212	5	02
Carr, Mrs A L	310	1	12
Carr, Mrs A L	571	5	62
Cram, Mrs E	401	6	75
Curtis, Lucien	584	6	75
Curtis, Lucien	594	25	3 12
Cooper, J B L	578	15	1 87
Campbell, Cathoriao E	596	100	12 50
Camerlick, Geo	595	11	1 12
Cobb, H A	613	100	12 50
Dustin, C H	98	2	25
Dustin, C H	99	2	25
Dustin, C H	100	1	12
Durney, A F	135	10	1 25
Durney, A F	2 0	1	12
Derrick, W H	570	10	1 25
Derrick, W H	573	100	12 50
Derrick, W H	586	11	1 37
Donnolly, Thos	507	35	4 37
Edson Benj	592	2	25
Himrod, O W	60	10	1 25
Himrod, O W	01	10	1 25
Himrod, O W	62	10	1 25
Himrod, O W	63	10	1 25
Himrod, O W	64	10	1 25
Himrod, O W	237	7	87
Hyde, R E	370	100	12 50
Hyde, R E	390	41	5 12
Hoyt, E	213	5	62
Hoyt, E	214	5	62
Healey, Jos	241	20	2 50
Lathrop, A B	511	25	3 12
Langdon, Samuel	173	20	2 50
Langdon, Samuel	174	20	2 50
Langdon, Samuel	175	20	2 50
Langdon, Samuel	176	20	2 50
Langdon, Samuel	222	50	6 25
Langdon, Samuel	342	11	1 37
Mastick, E B	8	30	3 75
Mastick, E B	345	4	50
Moreto, E G	105	1	12
Miller, Geo A	137	10	1 25
Miller, Geo A	235	1	12
Morgan, A R	231	1	12
Matthason, P	410	4	50
McElroy, A M	106	1	12
Post, Mrs. H	315	10	1 25
Perkins, R F	410	5	62
Perkins, R F	417	40	5 00
Rowell, Isaac	3	30	3 75
Rowell, Isaac	172	75	9 37
Rowell, Isaac	314	14	1 75
Raud, Mary A	138	5	62
Rider, W M	502	10	1 25
Ross, Wm G	607	200	25 00
Starr, T N	328	5	02
Sproul, J R	353	5	62
Tillinghast, W H	1	30	3 75
Tillinghast, W H	341	4	50
Tinghast, W M	499	50	6 25
Tompkinson, Jos	277	1	12
Wolff, B	608	2	25
Woodthorpe, Mrs H	6:4	15	1 87
Whitley, B C	445	10	1 25
Whiting, B C	446	10	1 25
Whiting, B C	447	10	1 25
Whiting, B C	448	5	62
Whiting, B C	449	5	62
Whiting, B C	450	5	62
Whiting, B C	451	5	62
Whiting, B C	452	5	62
Wood, A H	655	10	1 25
Wood, A B	589	10	1 25
Redington, Gen A	480	61	7 62
Young, Henry	500	25	3 12
Walton, N C	257	20	2 50
Walton, N C	258	3	37
Walton, N C	264	200	25 00
Walton, N C	479	70	8 75

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at public auction at the salesroom of Cobb & Sinton, No. 406 Montgomery street, San Francisco, on the 17th day of December, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

W. FELL, Secretary.
Office, No 53 Montgomery Block, San Francisco. 23

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 5th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
A P Stanford	69	53	$132 50
S Heydenfeldt	89	10	25 00
S Heydenfeldt	100	10	25 00
S Heydenfeldt	107	10	25 00
S Heydenfeldt	108	10	25 00
S Heydenfeldt	109	10	25 00
S Heydenfeldt	110	10	25 00
S Heydenfeldt	111	3	7 50
B Moaroe	98	5	12 50
B Monroe	100	10	25 00
B Monroe	124	10	25 00
B Monroe	125	3	7 50
B Monroe	126	2	5 00
B Monroe	127	5	12 50
B Mouron	128	5	12 50
B Mouroo	129	5	12 00
B Monroe	130	5	12 50
B Monroa	131	5	12 50
B Moaroo	132	5	12 50
H P Briscoe	49	10	25 00
Geo Eidenmiller	104	13	32 50
J M P Fessenden	75	5	12 50
David A Bagley	105	10	25 00
J B Fargo	120	5	12 50
L R Dyer certif not issued	6	15	00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given that the Annual Meeting of the above named Company will be held on Monday, December 26th, at 2 o'clock P. M., at the office of the Secretary, Nos. 8 & 10 Government House, corner of Sansome and Washington streets, San Francisco, Cal.

22-5 J. M. BUFFINGTON, Secretary.

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 21st day of November, 1864, an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 22d day of November, 1864, in United States gold and silver coin, to the Secretary, or to JAS. V. COFFEY, Virginia.

Any stock upon which said assessment shall remain unpaid on Saturday, the 24th day of December, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 7th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. M. BUFFINGTON, Secretary.
Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. nov26-22-4

Wilson Copper Mining Company, Gardea Bar District, Placer County, California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 31st day of October, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Chollar, Wm	12	20	$10 00
Chollar, Wm	15	20	10 00
Chollar, Wm	97	5	2 50
Chollar, Wm	98	5	2 50
Camp, O S	111	5	2 50
Ing, A D	17	50	25 00
Other, Thos	112	100	50 00
Platt, H B	78	80	40 00
Wetherbee, H	96	130	65 00
Wetherbee, H	110	30	15 00
Wetherbee, H	106	55	25 00
Wilson & Bicknell	72	20	10 00
Wilson & Bicknell	99	2	1 00
Wilson & Bicknell	103	5	2 50
Wilson & Bicknell	15	27	13 50
Wilson & Bickaoll	113	27	13 50
Wilson & Bicknell	154	100	50 00

And in accordance with law, and an order of the Board of Trustees, made on the 31st day of October, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the office of the company, on the 17th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon together with costs of advertising and expenses of sale.

W. L. KIRBY, Secretary.
Office, Room 8, No. 611 Clay street, San Francisco. dec3-23

ASSESSMENT AND SALE LIST

OF CLAIMS IN

VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	*Date of Levy.*	*Am't per foot*
Adriatic	Nov 11	1 00
Almanza	Nov 29	25
Birdsall	Dec 6	5 00
Colossus	Nov 25	1 00
Crystal Peak W, D, M, L and M Co.	Nov 13	5 00
Empress	Nov 29	1 00
Fairview	Nov 10	5 00
George Law	Nov 27	25
Gold Hill T & M	Dec 1	1 00
Hawkeye Original	Dec 2	2 50
Hawkeye, Central	Dec 8	2 50
Mount Blanc	Nov 22	1 00
Milton	Dec 6	5 00
North American	Dec 8	2 00
New Oregon	Nov 22	2 50
Rock Island	Nov 20	1 00
Santa Rita	Dec 3	1 00
Utah	Nov 12	3 00
Wandering	Nov 15	50

Delinquent Sales.

Name of Company.	*Date of Sale.*	*Place of Sale*
Belvidere	Dec 24	Virginia
Branch Mint	Dec 17	Virginia
Dardanelle	Jan 10	Gold Hill
La Plata Oro	Dec 17	Virginia
Mount Blanc	Dec 17	Virginia
Mary Ann	Dec 23	Gold Hill
Sunrise	Jan 3	Gold Hill
Silver Vale	Jan 9	Virginia

Canvassing Agent Wanted

For the Mining and Scientific Press.

An experienced, prompt and reliable agent can secure a desirable and lucrative engagement by applying immediately at this office.

Advertising Circular.

The Proprietors of the MINING AND SCIENTIFIC PRESS would call the especial attention of MINING SECRETARIES, TRUSTEES and SHAREHOLDERS, to a few substantial reasons for the publication of Mining Notices in their journal—the first and only important newspaper of its class published upon this coast.

1st. The PRESS enjoys a large and permanent subscription list, having a more universal circulation among shareholders and men intimately connected with mining interests than any other publication.

2d. Under the present law the publication of all mining notices on Saturday, in a weekly journal, complies as fully with the statutes as a daily publication. It is generally found to be equally as convenient for secretaries, and decidedly preferable to stockholders who have not time to examine throughout every issue of a daily.

3d. Economy in mining should always be looked upon with favor, and the cost for weekly advertising in the PRESS is less by one half than the rates of any other journal in this city possessing a respectable circulation.

4th. The publishers of the PRESS, making the mining interest their especial care, take particular pains to assist in the avoidance of errors in advertising. Our print is also more clear and perfect than can be expected in such papers as are hurriedly issued from cylinder presses.

5th. Our "Shareholders' Directory" forms a complete index of all mining notices published in San Francisco, by reference to which shareholders can at once see if their company is advertised, and determine whether the same is inserted in the PRESS or some other paper.

6th. Many copies of the PRESS are bound by prominent professional men, mechanics, secretaries, brokers, shareholders and others, as an important record for future reference, thereby rendering advertising, of every class, in its columns, of peculiar and permanent value.

7th. The benefit of having all mining notices consolidated in one newspaper, for the common convenience of shareholders, secretaries, and others who have occasion to refer to the same, is obvious. With this view we have established our rates at only fair, living prices, believing that a journal like ours, untrammeled by party, creed, or prejudice, is the only medium which can reasonably ask for such a consolidation of mining patronage.

8th. Our rates are uniform as well as moderate. Advertisements will be taken from the forms and printed on slips or as circulars, for sending personal notification to stockholders, whenever desired, at $1 per hundred.

9th. Advertisements in the columns of the PRESS, after their first insertion, are arranged alphabetically. Our present list is equalled only in one instance by that of any other journal. Shareholders, as well as strangers, naturally turn their attention to a mining journal for information concerning the mines and mining matters.

10th. Blanks for filling out advertisements of assessments or notices of sale are furnished gratis. Our rates of advertising, and any other information desired, will be freely given upon application at the office.

LAST, BUT NOT LEAST.—Our sheet (having been recently enlarged to the size of Harpers' Weekly) is now only equalled in its dimensions by one mining paper in existence—the *London Mining Journal*. Published in this, the greatest mining field of the world, we desire that the PRESS shall have no superior. We can only realize our cherished object of building up a reliable advocate of the science and business of mining, which will be of just honor and profit to our community, by experience and liberal patronage. The bestowal of such favors only as naturally belong to us, and which it is clearly for the benefit of the mining fraternity to extend, is all that is requisite, and we are confident we shall receive it.

DEWEY & CO.,

Publishers of the Mining and Scientific Press, Nos. 11 & 56 Government House, Corner of Washington and Sansome treets, San Francisco.

THE *Mining and Scientific Press* makes its appearance upon an enlarged sheet. The *Press* is by far the best scientific paper ever published on the Pacific coast. Its contents exhibit both industry and ability. We wish it continued success.—*Washoe Herald.*

SCIENTIFIC AND MINING JOURNAL.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

American and Foreign Patent Agency

FOR THE

PACIFIC COAST.

DEWEY & CO., AGENTS,

AND PUBLISHERS OF

The Mining and Scientific Press,

Corner of Washington and Sansome Streets.

We would call the particular attention of INVENTORS and DISCOVERERS in ARTS, MECHANISM, METALLUROY and CHEMISTRY, to our superior advantages for soliciting Letters Patent in the United States, British Columbia, European and other Civilized Countries.

We have secured the co-operative services of some of the oldest, most thorough and reliable Patent Solicitors and Attorneys at Washington, and in Foreign Countries, and our Applicants can have their claims and specifications properly and speedily presented, without the delay necessarily required in transacting their business through Eastern or Foreign Agencies. For further information, address

DEWEY & CO.,
Publishers and Patent Agents.

Cornor of Washington and Sansome Streets, San Francisco.

MINING BLANKS

For Sale

AT THE

OFFICE OF THE MINING AND SCIENTIFIC PRESS,

Nos. 11 & 56 Government House.

Blanks for Mining Companies, Secretaries, Shareholders and others, always on hand, or printed to order, at our office.

Among others are those of the following forms:

Shareholder's Proxy.

Know all men by these presents, that I, ... do hereby constitute and appoint ..... my attorney and agent, for me and in my name, to vote as my proxy, at a meeting of the ..... Mining Company, to be held ..... 186 , according to the number of votes that I should be entitled to cast were I there personally present.

In witness whereof I have this day hereunto set my hand and seal. .....[Seal]

Dated 186

Assessment Notice.

..... Company

.....

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the ..th day of ..... 186 , an Assessment of .....per share was levied upon the Capital Stock of said Company, payable on the ..th day of .....186 , in United States gold and silver coin to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday, the ..th day of ....., 186 , will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on ....., the ..th day of ....., 186 , to pay the delinquent Assessment, to gether with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

..... Secretary.

Office.....

Delinquent Sale.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the ..th day of ..... 186 , the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
Theophilus Thistle	23	14	$140 00
Peter Piper.....	2	3	30 00

And in accordance with law and an order of the Board of Trustees, made on the ..th day of ..... , 186 , so many shares of each parcel of said stock as may be necessary, will be sold at the.....

....., on ....., the ..th day of....., 186 , at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

..... Secretary.

Office.....

☞ Our advertisers are furnished with blank Assessment and Sale notices free of charge. Orders from the interior promptly filled, by mail or express, as may be desired.

In Local Affections no words can give a just idea of the comfort one of these plasters impart. They are the plaster of the day, and a fit type of our present advancement in science and art. In Asthma, Cough, Kidney Affections, and local deep-seated pains, they afford permanent relief. TRY ONE, and be convinced.

PRINCIPAL OFFICE,

T. ALLCOCK & CO.,
Brandreth's Building,
New York.

W. F. BRANDRETH,

OFFICE AT

Crane & Brigham's.

SAN FRANCISCO.

☞ **FOR SALE BY ALL DRUGGISTS.** ☜

9v25q

INVENTORS AND INVENTIONS.—Let us not cheapen inventions, but be kind to the inventors; beware of killing the goose that lays the golden egg! Many inventors die before the hour of triumph; others falter by the way. Invention is a struggle, a conflict, almost a battle; if the victors are rewarded, the dead are honored and the wounded carefully attended to. Glorify the inventors who succeed; cover with an indulgent self-respect the faults of those who fail; and soothe the last years of the wounded—those invalids of industrial science who have known only the pains of the fight, and always remained ignoraat of the joys of victory —[Dumas.

Important to Secretaries.

Secretaries will please write proper names and figures distinctly, and hand in their advertisements as early in the week as practicable. Our latest forms go to press Friday evening. Any information concerning the requirements of the laws regarding advertisements will be cheerfully given when solicited. Inspect all your notices carefully upon their first appearance. In case of postponement, give the earliest notice possible at the office. When copy is received sufficiently early, a proof-sheet will be furnished if desired. A revised copy rendered, for advertising at the mine, when requested. Neatly printed copies of advertisements, for serving individual notice to stockholders, printed at $1 per hundred. Copies of the new advertising law, as officially published, furnished gratuitously. ☞ Blank forms, for filling out Assessment Notices and Delinquent Sales, supplied free to advertisers in the MINING AND SCIENTIFIC PRESS on application at the office

W. T. GARRATT,
City
BRASS AND BELL FOUNDER,

Cor. Market and First Sts., opposite Oriental Hotel,

SAN FRANCISCO.

Manufacturer of Brass, Zinc, and Anti-Friction or

Babbet Metal Castings;

CHURCH AND STEAMBOAT

BELLS,

TAVERN AND HAND BELLS AND GONGS,

FIRE ENGINES, FORCE AND LIFT PUMPS,

Steam, Liquor, Soda Oil, Water and Flange Cocks, and Valves of all descriptions, made and repaired. Hose and all other Joints, Spelter, Solder, and Copper Rivets, &c. Gauge Cocks, Cylinder Cocks, Oil Globes, Steam Whistles,

HYDRAULIC PIPES AND NOZZELS

For Mining purposes, Iron Steam Pipe furnished with Fittings, &c. Coupling Joints of all sizes. Particular attention paid to Distillery Work. Manufacturer of "Garratt's Patent Improved Journal Metal."

☞ Highest Market price paid for OLD BELLS, COPPER AND BRASS. ☜ 6tf

TO MINE OWNERS.

REDUCTION AND SMELTING WORKS ON A SUFFICIENTLY large scale, where Ores of every kind can be thoroughly treated, so as to extract therefrom the precious metals, have long been wanted in California.

The Undersigned is desirous of erecting such works to meet the demand, provided sufficient encouragement can be obtained in regard to the quantity of work which may reasonably be looked for.

I have sufficiently proven, in my former smelting works, on Bryant Street, where I worked the richest of the Ophir ores to within Two and One-Half per cent. of the Assay, that I was acquainted with Metallurgy previous to my recent travels and experience in Europe, where I have built, during my sojourn there of nearly three years, many Reduction Works, thereby proving that I am capable of working ores by any and all known processes, whether by Smelting or Amalgamating, or other methods best adapted to the nature of the ore to be worked, and as close to the assay as can be done anywhere in Europe.

Mine owners wishing quantities worked as cheaply and effectively as can be done by sending it to Europe, will address the undersigned. Parties wishing to erect Quartz Mills, or other Reduction Works, can be furnished with Plans, Estimations, and other useful and necessary information as to the best mode of extracting the precious metals.

Address **J. MOSHEIMER,**

Office, Nos. 14 & 15 Mead's Building, Corner of Pine and Montgomery Streets, San Francisco. 9v23tfq

BRANDRETH'S PILLS.

This Medicine often Cures when all others have failed. They prevent Apoplexy; they Cure Diseases of the Heart and Nervous Diseases, and as a

Purgative and Bilious Pill,

They have not their equal in the World. Employed according to directions, accompanying every box of new style, they produce

Great Purity of the Blood and the System Generally,

Causing only the removal of vitiated matters which have become useless or injurious, and securing in the reconstruction of diseased parts of nothing but sound and healthy materials.

THE USE OF BRANDRETH'S PILLS

OCCASION

The Actual Decrease of the PRINCIPLE OF DEATH, and an Increase of the Vivifying, the Life Principle.

B. BRANDRETH,
294 Canal Street, New York.

W. F. BRANDRETH,
Office at Crane & Brigham's, San Francisco.

By sending $1 in coin to the above address, five boxes of pills will be sent to any part of this coast or the interior, Free of charge. 16-3m4c8p

KELLOGG'S PATENT
IMPROVED NEWBURY
PRINTING PRESS.

This New, Cheap, and most Desirable

JOB PRINTING PRESS

Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.

Kellogg's Improvement

Is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington hand-press, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, **L. M. KELLOGG.**

October 29th, 1864. San Francisco.

"MINING AND SCIENTIFIC PRESS."—This excellent and valuable paper has been enlarged by the addition of sixteen columns. It is one of the most complete and interesting mining journals in the United States.—*Daily American Flag.*

Mining and Scientific Press.

A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS And Patent Solicitors. | SAN FRANCISCO, SATURDAY, DECEMBER 24, 1864. | VOLUME IX. Number 26.

Contents:

Vol. IX, No. 26—December 24.—Hunter's Separator—Illustrated; Arizona Mining Laws; The Washoe Smelting Company; Report of the Ophir Mining Company; Report of the Gould & Curry Company; More Camels Coming; Lighting Gas by Electricity; The Sierra Nevada Mine; A Mining Code for Arizona; The Rain Fall; The Caledonia Mining Company; Geological Examination; The Potosi &c. The Bazaet; The Benicia Cement Company; A Flourishing Mine; Mechanical—More about Water Measurement, A Singular Fact, Hunt's Machines, The Force Required to Freeze a Ton of Water, Etc.; Miscellaneous Items—Editorial and Selected; Home Finances; Eastern Finances; Stock Sales and Reports; Mining Shareholders' Directory; New Mining Advertisements, Etc.

☞ New Mining Advertisements on page 413. ☜

Send in Your Subscriptions!

A New Volume of the Press commences on the 7th of January, and now is the time to renew your subscriptions. If you believe in supporting our paper, send us in your own subscription, and as many of your neighbors' names as possible.

San Francisco Jobbing Prices Current.

Flour, extra, ₱ bbl	11 00 @12
Do Superfine	10 00 @
Corn Meal, ₱ 100 lb	3 50 @ 4 00
Wheat, ₱ 100 lb	3 50 @ 3 75
Oats, choice, ₱ 100 lb	2 80 @ 3 00
Barley, ₱ 100 lb	3 50 @ 3 75
Beans, ₱ lb	3 @ 4
Potatoes	3 @ 3½
Hay, ₱ ton	30 00 @34 00
Live Oak Wood, ₱ cord	8 00 @ 9 00
Beef, on foot, ₱ lb	5 @ 6
Beef, extra, dressed, ₱ lb	4 @ 15
Sheep, on foot	3 @ 3 50
Hogs, on foot, ₱ lb	8 @ 8 50
Hogs, dressed, ₱ lb	10 @12 50
Groceries, Etc.	
Sugar, crushed, ₱ lb	17½@ 18
Do China	12½@ 13
Coffee, Costa Rica, ₱ lb	23 @
Do Rio	22 @ 23
Tea, Japan, ₱ lb	70 @ 75
Do Green	50 @ 85
Hawaiian Rice, ₱ lb	12½@ 14
China do	9 @ 11
Coal Oil, ₱ gal	55 @ 75
Candles, ₱ lb	20 @ 22
Ranch Butter, ₱ lb	50 @ 80
Isthmus do	35 @ 40
Cheese, California, ₱ lb	20 @ 25
Eggs, ₱ doz	70 @ 80
Lard, ₱ lb	18 @ 19
Ham and Bacon, ₱ lb	18 @ 20
Shoulders	12 @ 14

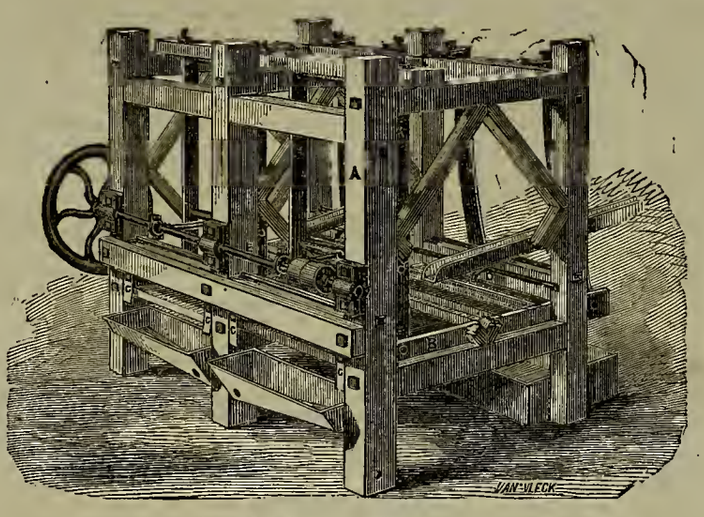
San Francisco Retail Prices Current.

Butter, California fresh ₱ lb	75 @ 1 00
do pickled ₱ lb	60@ 75
do Oregon	35@ 50
do New York, ₱ lb	45@ 50
Cheese, ₱ lb	30@ 35
Honey, ₱ lb	40@ 50
Eggs, ₱ doz	85@ 90
Lard, ₱ lb	22@
Hams and Bacon, ₱ lb	20@ 22
Cranberries, ₱ gal	1 00@
Potatoes, sweet, ₱ lb	4@ 6
do Irish, ₱ lb	4@ 5
Tomatoes, ₱ lb	8@
Onions, ₱ lb	6@ 8
Beets, ₱ lb	2@
Squashes, ₱ lb	4@ 5
Cabbage, ₱ lb	4@ 5
Cauliflowers, ₱ lb	1 50@
Celery, ₱ doz bunches	1 00@
Turnips do	40@
Parsnips do	60@
Apples, No. 1, ₱ lb	7@ 10
Pears, table ₱ lb	7@ 15
Plums, dried, ₱ lb	10@ 15
Peaches, dried, ₱ lb	10@ 15
Quinces, ₱ lb	7@ 10
Grapes, Foreign, ₱ lb	25@ 50
Oranges, ₱ 100	4 50@ 6 00
Lemons, ₱ 100	5 00@ 6 00
Pineapples, ₱ doz	4 00@ 6 00
Chickens, apiece	1 00@
Turkeys, ₱ lb	30@ 35
Geese, ₱ pair	4 00@ 5 00
Ducks, ₱ pair	1 50@ 2 00
Quail, ₱ doz	2 00@
Wild Ducks, ₱ doz	4 00@ 6 00
Rabbits, ₱ pair	25@
Oysters, ₱ 100	1 00@ 1 25
Fish, Fresh, ₱ lb	3@ 18
Salmon, smoked, ₱	10@ 12

Scientific and Mining Journal.—This is as valuable a publication as is produced on the Pacific Coast, and one which interests all parties. It contains much that is instructive and entertaining, and seems to have the right men at the head of its affairs.—*Spirit of the Times.*

HUNTER'S CONCENTRATOR, AMALGAMATOR AND SEPARATOR.

We herewith present our readers with a faithful representation of Hunter's new Concentrator, Amalgamator and Separator. This machine may be used for the concentration of all metals from the sands where the specific gravity of the ore is from one to two per cent. greater than that of the sand. It has already been proven, in practice, one of the most effective machines of the kind in use. The annexed illustration gives a very correct view of the machine, and the following description



A New Gold Saving Machine.

will serve to explain the principles of its operation: Letter A is a substantial frame work supporting the machine; chutes B B have an oscillatory motion, each chute being 2 ft. 6 in. in the clear by 3 ft. 9 in. long, covered with mercuried plates of copper, for amalgamating the free gold that may be caused to pass over it. The perforated box, or receiver, is for the even distribution of the sands from the battery—the smaller one for distributing or throwing jets of water on the upper end of plates. The chutes discharge at each end; the water and sand at lowest end, the sulphurets or metal at highest end. The separation is produced by the short, quick motion of the chutes, and the percussion formed by their striking against the steel springs C C. The chutes are suspended at each end, on wood or iron flanges, with set screws for adjusting them to any required elevation. D is a water pipe, with fassets for regulating the supply of water on the upper end of the chutes. E is the main driving shaft, with fly-wheel, tight and loose pulleys and eccentrics, with driving rods, to give motion to the chutes. The driving rods are arranged with set screws, to shorten or lengthen, thereby giving any concussion that may be required. The whole machine is under the control of the attendant for separating all ores and for all grades of working coarse or fine sand or pulp, as discharged from the pans or batteries of quartz mills.

One of these machines is now running in the Princeton mill, on the Mariposa estate. In relation to its efficiency as a concentrator and separator, we would refer the reader to a certificate from the Superintendent of the Princeton mill, and another from Professor Blake, of this city, who has recently witnessed its operation. These certificates may be found in our advertising columns, on page 409.

BENICIA CEMENT COMPANY.

The Benicia Cement Company, whose works are located at Benicia, Solano county, are now manufacturing an hydraulic cement, which, for durability, is pronounced by competent judges equal to any that has ever been produced in any part of the world. It is used on the Government works now being erected at Alcatraz and Black Point, at the State Capitol, State Prison, the San Francisco Gas Works, and many other places where the quality of work being done requires the very best article that can be procured. The existence of this deposit in inexhaustible quantities at Benicia, is a matter of great commercial importance to the entire Pacific coast; and it is a matter of congratulation that the company above named is now fully organized for work, and quite able to supply the wants of this coast with a better and cheaper article than we have, until quite recently, been compelled to procure, at great cost of transportation, from Eastern markets. The enterprise of this company has thus succeeded in adding still another new branch to the already extended list of California mineral productions. The company has recently employed Prof. Lanszweert, metallurgical and analytical chemist, of this city, to thoroughly examine the company's works and ground, and report upon the same. The Professor has fulfilled his commission, and his report has been published in a neat pamphlet, by order of the company. Having carefully read it, we have thought the matter of sufficient interest and importance to transfer it entire to our columns. It will accordingly be found in the present issue. The office of this company is located at 529 Clay street, in this city—W. H. Martin, Agent.

A FLOURISHING MINE.

Professor Silliman has recently examined and prepared a complete report of the Empire Mill and Mine, at Gold Hill, Nevada. From this report it appears that the mine has been opened to a depth of 445 feet. The Company have crushed, since their organization, about 26,000 tons of ore, from which they have received bullion to the value of $1,043,720—an average of $40.76 per ton. Of this amount, $288,000 has been paid out in dividends; $24,000 is now in reserve for the December dividend, leaving a balance of $731,720 to represent the cost of mining and milling, opening the mine, and all other expenses to date. *There has never been an assessment levied upon the stock of this mine,* nor has anything ever been paid in on its capital stock, which is $1,000,000. All its prospecting, opening, milling and mining, has been paid out of the mine itself, and two fine mills have been built, at an expense, the first of $60,000, and the second of $75,000. The proportion of the gross proceeds which can be laid aside for dividends hereafter, will be largely increased over the past. The Professor, after a careful examination of the interior of the mine, thinks that the total body of ore already developed, above the present lowest level, will yield $3,988,000, or nearly four times as much bullion as has already been taken out. There are but few mining companies that can make a better exhibit of actual working or prospective yield than the Empire Mill & Mining Company. The affairs of this Company have always been managed with skill and prudence—a fact which we have frequently heretofore noticed.

CALEDONIA MINING COMPANY.

A meeting of this company was held December 19th, and the number of shares of capital stock reduced from 5,000 to 2,500. The company is now in efficient working order, and its future prospects are satisfactory and encouraging. The Company's ground adjoins the Uncle Sam mining company on the south, in Gold Hill, and a splendid vein of mineral has recently been opened on the lode, which promises rich results upon going down to a proper depth. Work was commenced upon the Caledonia mine in March, 1861, and over $100,000 has been expended in its working. The tunnel has been run over 2,000 feet, and a large amount of drifting done.

A novel (as well as profitable) feature of this company's claims is the supply of water issuing from the lode through the tunnel, and which is sold to the neighboring mills at a clean profit of $450 per month. We cannot but consider the quiet manner in which this company has continued its active operations as highly meritorious, and complimentary to its managers, and confidently anticipate seeing it assume its proper place among the best mining corporations of our city. Its present Board of Trustees consists of Martin White, E. Stevens, A. E. Crane, C. S. Bowden and J. M. Buffington.

A woman was found dead in her bed at Bordeaux, and the doctors assert that she died from the effects of the smell of quinces, a large basket of which was found in the room.

ARIZONA MINING LAWS.

Of the Registry and Government of Mines and Mineral Deposits.

Be it enacted by the Legislative Assembly of the Territory of Arizona.

SECTION 1. All mining rights on the public lands of the United States as well as rights acquired by discovery on the lands of private individuals, are possessory in their character only, and such possessory rights shall be limited, regulated, and governed as hereinafter provided.

Probate Judges to decide all Mining Controversies.

2. The Judges of the Probate Courts in their respective Counties shall have jurisdiction over the registry and denouncement of all mines and all mineral and auxiliary lands, and the disputes and questions of whatsoever nature between all adverse claimants to mines or mineral, and auxiliary lands, which he shall hear, and determine in a summary manner according to the rules of practice as prescribed for the District Court in civil cases, and all proceedings and records therein shall be entitled "In the Probate Court.—Judicature of Mines."

3. The Clerks of the Probate Courts shall be ex-officio recorders of mines and all mineral and auxiliary lands in their respective counties.

Preservation of Specimens and Curiosities.

4. The County Commissioners of each county shall at the expense of the county provide a suitable office for the Clerk of the Probate Court, at the seat of justice of his county, which shall be called the Recorder's Office, in which he shall keep the books and papers of his office; they shall also provide rooms and cases for the preservation of mineralogical specimens from each mine recorded, to be properly numbered, marked and registered by him, with the time when and the locality whence taken, and he shall also preserve in said rooms all rocks, fossils, earths, minerals, plants and other matters that may be useful or interesting for scientific, legal or practical purposes.

Probate Court Clerk to keep Records of all Mining Claims.

5. He shall provide three books of record, the expense of which shall be allowed by the County Commissioners and paid out of the funds originating from the tax on mines, which he shall respectively mark as "Books of Mining Record," "A," "B," and "C," which shall be kept in his office, and open to the inspection of the public at all times.

6. The Recorder of mines shall collect and record in Record Book A, all registrys, denouncements, and claims of mines, whether on public lands or private grants, by individuals or companies, that were made prior to the passage of this chapter, and make complete indices of the same, and keep them for the inspection of the public.

7. He shall record all first or preliminary registrys and denouncements of mines, made after the passage of this chapter, in Record Book B, and all second registrys after the sinking of the shaft and complying with the law as hereinafter provided, in Record Book C, which shall be alike kept for public inspection.

8. The Recorder of mines shall keep a seal of office, to be provided by the County Commissioners of each county, and affix the same to all official documents.

Fees for Recording.

9. He shall be allowed and receive from the parties interested the following fees, and when the number of words contained in the papers to be recorded shall exceed one folio he shall receive in addition twenty cents per folio: For each record of former claim in Book A, $1. For each preliminary or first registry of a mine or auxiliary mining land, in Book B, $1; For each succeeding claim on the same deposit, $1; For final record after sinking shaft, and certificate, in Book C, $2; For final record of each additional claim of the same party on the same deposit, in Book C, $1; For recording each separate auxiliary tract, $1; For recording articles of co-partnership, $2.50; For recording charters of mining companies, $2; For recording notice required by section 25—I, $1; For recording each conveyance, $1; For any subsequent copy of the foregoing, one-half of the above rates; and for all fees in litigated mining cases he shall receive the same compensation as is allowed to Clerks of the District Courts in civil cases for like services, and for all services and fees not provided for in this chapter his fees shall be fixed by the Judge of Probate.

Recording of Charters, Property and Co-Partnership Agreements.

10. The charters of all mining companies and their officers, where they keep their office, and where their mines are situated, with a description of their machinery, and a list of their property, shall be furnished by them, and recorded in the Record Book C of the Recorder, and they may procure certificates thereof, that shall at all times be good evidence in all courts of justice.

11 The co-partnership agreements of all mining partners shall be recorded in the same manner and certificates thereof shall have the like effect, and the company or co-partnership failing to furnish the charter or agreement required to be recorded by this chapter, after due notice by the Recorder, shall be deemed to stand in contempt of the law, and punished by the Probate Judge by fine in his discretion not to exceed one hundred dollars.

No Fictitious Names can be used.

12. All mining claims shall be registered in the real names of the parties, and by persons legally authorized to make such registry either in person or by power of attorney, to be exhibited to and filed and recorded with the Recorder of mines, or with the Recorder of the mining district as hereinafter provided, and no claims shall be registered in the names of fictitious persons, and any person violating the provisions of this section shall forfeit all right and interest in the claim so registered, and the same shall be subject to registry and denouncement by another, on the same terms as newly discovered veins.

13. The property of all mines and mineral lands in descents and conveyances of property to heirs shall be considered and regarded as real estate.

All Sales of Claims to be Registered by the Recorder.

14. All sales of mining claims or mineral lands, or any interest in the same, shall be registered with the Recorder, by deed to be executed as provided for conveyances of real estate, and in a book to be kept by him for that purpose, within three months from the date of the sale of the same, or shall be declared forfeited and subject to denouncement and registry by another; and such conveyances when so registered shall be subject to the same rules which govern conveyances of real estate, and shall have the same effect in the courts.

Two Hundred Yards Square Allowed to each Claim.

15. Every mining claim or pertenencia is declared to consist of a superficial area of two hundred yards square, to be measured so as to include the principal vein or mineral deposits, always having reference to and following the dip of the vein so far as it can or may be worked, with all the earth and mineral therein. But any mining district organized in accordance with the provisions of this chapter, may prescribe the dimensions of said mining claim or pertenencia for such district, provided that in no case the dimensions so prescribed shall exceed the number of yards allowed by this section, and further provided, that no such mining district shall diminish the extent of the Territorial claim to one pertenencia as defined in this section.

Discoverer may take two Claims.

16. Any person discovering or opening a vein or other mineral deposit in this Territory, not actually worked or legally owned by other parties, or registered in accordance with this chapter, shall by properly denouncing and registering the same be entitled to claim and hold a possessory right to a tract of land to the extent of two mining claims or pertenencias including the said vein or mineral deposit, and conforming as nearly as possible to the general direction thereof, each to be measured two hundred yards long by two hundred yards wide, the direction of the lines to be determined by the person claiming.

17. If two or more persons are associated, and have formed a company for the exploration and working of mines, and one or several shall make discoveries of mineral deposits in consequence thereof, said company so engaged in exploration shall be entitled to denounce and register one discovery claim only upon each lode.

Lands for Mill Sites or other necessary purposes may also be taken up.

18. It shall be lawful for the claimants of a mine or mineral lands to locate and take possession of public lands for a mill site and other necessary works connected therewith, which shall not exceed one quarter section, containing a stream or other water suitable for the purpose. They shall have a right to place a dam or other obstructions on such stream, and to divert its waters for the above uses and purposes. They shall within the time and in the manner prescribed in this chapter for the registration and denouncement of mines, proceed to denounce and register the same with the Clerk of the Probate Court, and they shall be known as auxiliary lands. And if within three years from the day their notice of claim is so recorded, they shall expend in fitting the same for a mill, or in placing a mill or reduction works thereon, the sum of one hundred dollars, they may cause the record of such work to be made, and proceedings for confirming their title to be instituted as provided in section 29 of this chapter, with like effect, and receive a certificate of title as therein provided, conforming as nearly as they can to the requirements of that section. Instead of the work required by section 32 of this chapter they shall use the machinery or other works erected upon said land for mining purposes at least thirty days in each year. Such claims shall be subject to all the provisions of this chapter which are applicable to mining rights, and may be abandoned and re-located. All rights to auxiliary lands acquired under the laws of any mining district before this act takes effect shall be valid, and the owners of the same, upon complying with the provisions of this section may take the like proceedings to confirm their titles with a like effect.

Claims must be well Defined.

19. It shall be the duty of all claimants of mining claims, mineral lands and auxiliary tracts, to at once define the extent and boundary of them as nearly as possible, by good substantial monuments or other conspicuous marks, in the presence of the Recorder of the mining district, or of some witness who shall prove to the satisfaction of the Recorder that the same has been done, and to post up a public notice of their claim, at the opening of the principal vein, and to have them properly registered and recorded within three months from the time of first claiming them at the office of the mining district Recorder according to the provisions of this chapter. Such record shall give a faithful description of the veins, mineral deposits, and tracts of lands, the character and bearing of the veins or deposits and their connection with natural monuments or conspicuous objects in the vicinity.

20. No person shall change his original monuments or boundaries of mineral or other lands, but if a subsequent investigation makes this convenient or necessary, and it can be done without prejudice to other parties, then such change shall take place by the sanction of the Judge of the Probate Court, provided they are properly recorded and the new boundaries and monuments fixed at once when the original ones are removed.

No Natural Water can be Claimed.

21. All minerals, woods, waters, earths and vegetation found within the boundaries of any tract of land registered and claimed for mining shall be exclusively used by him or them who are legally entitled to the possession of the land wherein or whereon they are situated so long as they are used for mining purposes only, provided that no one shall have the right to prevent transient persons from using the waters along the public highways, where they were provided by nature in natural tanks, springs, streams, or otherwise, nor from making such equitable disposition of the waters as the Legislature shall prescribe.

22. No person shall have the right to impede or inconvenience travelling by fencing up the public roads, filling them up with rubbish or undermining them so as to endanger their safety, neither shall any one change their established direction without sanction of the proper authorities.

23. Whenever two or more persons or parties explore and prospect one and the same vein, and at or about the same time but at different places, and without knowledge of each other, then he or they who shall prove first occupancy shall have the right of first location, taking the principal point of excavation as the center of their claim or claims on each side along the general direction of such vein or deposit. The other parties shall proceed by the same laws after the others have fixed their boundaries. Should there be left vacant ground between the different parties then it shall be at the option of the first discoverers so to change their boundaries as shall best suit them, and have them recorded accordingly. Any other parties shall locate in the order of the time of their arrival on the vein or mineral deposit.

24. Whenever two or more parties shall select the same mine or mineral deposit for exploration, and the parties first on the ground, knowing the other parties to be at work, shall fail to give warning, either verbally or in writing, of their priority claim on such vein or deposit, then that portion of the mine situated between the main excavations of the two parties shall be equally devided between them, irrespective of the number of members each company may have; *Provided*, That the intervening portions shall not exceed the quantity of land allowed by the provisions of this chapter.

All Previously Located Claims are Legalized.

25. The laws and proceedings of all mining districts established in this Territory for the denouncement, registration, and regulation of mines, mining claims, mineral lands and auxiliary lands, prior to the day this act takes effect, are hereby legalized and declared to be as valid and binding in all courts of law, as if enacted by this Legislative Assembly, to the extent and under the conditions and restrictions herein contained.

I. All rights, claims and titles to any veins, mineral lands or mineral deposits, and auxiliary lands, acquired before this and takes effect, under, by virtue of, and in conformity to the laws of said mining districts, are hereby declared to be valid and legal, and shall be respected and enforced in all courts of this Territory, when sustained by the evidence herein provided; but no amount of work done thereon shall be construed to give a perpetual title thereto, but shall give such title only and such rights and privileges as is provided in section 29 of this chapter; and no person who was at the time of the location of his claim, an inhabitant of this Territory, shall forfeit his claim because he was not a resident also of the mining district in which his said claim was located. And no such right, claim or title, shall be considered as abandoned, provided the claimant shall within six months from the day this act takes effect, file with the clerk of the Probate Court of the county in which his claim is situated, a brief description of the same, giving the name of the district in which the lode is situated, and of the lode or lodes, and the extent of his claim thereon, with a declaration that he intends to retain and work the same according to law, unless such claim has been forfeited, and subject to re-location under the laws of such mining district before this act takes effect.

No Claim Rejected for Informality.

II. All records and all papers required by the laws of said mining districts to be deposited with the Recorders of said districts for record shall be received as evidence of their contents in all courts of this Territory, and shall not be rejected for any defect in their form, when their contents may be understood, but shall be valid to the extent provided by said mining laws, except as herein before restricted; *Provided*, That such records and papers are deposited with or recorded by the Clerk of the Probate Court of the county in which said mining district is located, and within three months from the time this act takes effect; and if said records or papers are lost or mutilated, or if such Recorder of a mining district shall neglect or refuse to deposit the same as aforesaid, an affidavit of their contents made by any person interested therein, or certified or sworn copies thereof may be so recorded, and shall have the like effect.

III. All conveyances of mines, mining rights, mineral and auxiliary lands made prior to the time this act takes effect, shall be valid and binding to pass the title of the grantor thereof, although defective in form and execution, if their contents can be understood, and as such shall be received and regarded in all courts of this Territory; *Provided*, That such conveyances shall be deposited with or recorded by the Clerk of the Probate Court of the county where said mines are situated, within three months from the time this act takes effect, and if lost or mutilated, copies or affidavits of their contents, executed as aforesaid, may be recorded as provided above.

Mining Recorders must Deposit their Records with Probate Clerk.

26. Every Recorder, Register, Clerk, or other recording officer, of every such mining district, or who has at any time acted as such recording officer, within three months after this act takes effect, shall deposit with the Clerk of the Probate Court of the county in which said district or greater part thereof is situated, all records which he has so kept, and all papers deposited in his hands for record, and papers so made or deposited with his predecessors in said office which are in his hands as aforesaid, or he shall so deposit certified copies of the same. And such records and other papers shall be securely kept by such Clerk, open in office hours to public inspection, and copies of the same duly certified by him shall be received in all courts of justice, and have the same effect as the originals. And any such Recorder, Register, or other recording officer of each mining district who shall neglect or refuse to comply with the provisions of this section shall be liable in damages to the party injured thereby, and shall be liable to be punished by the Judge of Probate of the county in which said mining district, or the greater part thereof, is situated, for contempt, by fine not exceeding five thousand dollars, and imprisoned not more than one year, and shall be incapable of holding any such office and mining claim.

27. Mining districts now existing may be continued or new mining districts may be established in the manner and for the purposes hereinafter provided.

Oath and Duties of Mining Recorders.

1. The Recorder of every mining district now existing shall at the same time that he deposits the records of said districts, with the Clerk of the Probate Court, as the last preceding section requires, take an oath before the Judge of said Court that he will faithfully perform the duties of his office until another Recorder shall be elected and qualified in his place, which oath shall be recorded by the Clerk of the Probate Court. He shall record in a book to be kept by him for that purpose all notices of claims or rights to veins, mineral deposits, mineral lands, and auxiliary lands, which may be left with him to be recorded, and shall note on all papers which may be received by him to be recorded, the time they were so received by him, and they shall be considered as recorded from that time. He shall when requested by any such claimant go with him to his claim and see that the same is measured by metes and bounds, and marked by substantial monuments on the surface of the earth, and shall make a record of the same,

and of the time when it was done and certify it to be correct, or shall make a record and certificate of the same on the evidence of a credible witness, who was present when the same was done, and is cognizant of the facts, and whose name shall be entered on the record. He shall when requested by any such claimant, go with him to his claim, and examine any shaft that may be sunk by him, or tunnels that may be opened to the same, and make measurements of the same, and a record and certificate as aforesaid; and he shall in like manner examine, measure or estimate, and make and record a certificate of any work which is required by law to be done by a claimant. And the said recording officer shall quarterly file with the Clerk of the Probate Court of the county in which said district is located a copy by him certified of all records made by him for the three months last preceding, which shall be duly recorded by said Clerk, and a copy of said record duly certified by him shall be evidence of its contents in all courts of this Territory. And such recording officer shall be liable to all the penalties provided in the preceding section, if he shall neglect or refuse to perform any of the acts and duties required of him by this section, but shall not be required to perform any such service until his fees for the same, to be fixed by the mining districts, are paid him, if he requests it. And if any paper deposited with him for record is required to be recorded by the Clerk of the Probate Court, he shall at the time said paper is so deposited with him, take and receive the fee fixed by law for recording such paper by said Clerk, and pay the said Clerk said fee when he deposits said paper with him to be recorded as aforesaid. All such mining districts may make laws not inconsistent with the laws of the Territory, may elect officers for the government of such districts, and fix their compensation, but all such acts and proceedings shall be recorded, and all records and papers thereof filed with the Clerk of the Probate Court as aforesaid.

New Mining Districts may be Organized.

11. Any number of persons not less than twelve, owning mining claims in any mining district, or in any contiguous mining districts, or who have discovered and may wish to denounce a mine or mineral lands, not within the limits of any established mining district may proceed to make a new mining district at a meeting of persons holding claims in such district so to be established, and of claimants in any districts to be divided or to be included therein. They shall cause a notice in writing, and specifying the limits of said contemplated district, signed by them, to be posted in three conspicuous places in said district, and if any part of an established district is to be included therein by leaving a copy of said notice with the Recorder of said district at least ten days before the day of said meeting. At said meeting all persons holding claims as aforesaid may vote and may determine by a majority vote of those present whether said new district shall be established and its limits, but within the boundaries named in the notice for said meeting, and thereupon the persons holding claims in such newly established district shall proceed to select a name, and make laws therefor, and elect a Recorder, who shall be qualified as aforesaid, who shall perform all the duties and be subject to all the liabilities provided in this chapter for such officers, and shall file with the Clerk of the Probate Court as aforesaid a record of the proceedings of this and all subsequent meetings at the time and in the manner herein provided.

Thirty Foot Shaft or Fifty Foot Tunnel must be made within One Year.

28. It shall be the duty of all claimants of mineral tracts to sink at least one shaft of thirty feet in depth, or to run a tunnel of fifty feet in length, in the body of the vein or in the adjoining rock, so as to test the vein from the surface, for the purpose of ascertaining the character and capacity of such mineral deposit, within the space of one year from the day of first taking possession thereof, and they shall notify the Recorder of the mining district that said shaft or other work is completed, and that they intend working the vein or mineral deposit. And the Recorder shall examine said work in person, and make and record a certificate of the result of such examination, which shall contain a statement of the condition and quality of the vein or mineral deposit, the amount of labor performed, and a general view of the results obtained. Said report shall be accompanied by three specimens taken from different parts of the work, which said specimens, with a copy of the record so made by him shall be filed by him within the time required by this act in the office of the Clerk of the Probate Court. And said Clerk shall make a record of the same. Such specimens shall be numbered and described by him, and be preserved for the use of the mineralogical professorship of the University of Arizona.

Perpetual Title may be Granted by the Probate Judge.

29. The Judge of the Probate Court at any time within thirty days after the record made by the Clerk of said Court as provided in the preceding section, upon complaint in writing made to him by such claimants, describing fully their claims, stating the labor performed by them, and the certificate thereof, and that the registration of the same has been made as required by law, and requesting that their title thereto may be confirmed, shall cause a summons, under the seal of his court, to be issued, requiring all persons interested to appear at a day named therein, and which shall not be less than sixty days from the day the same was issued, and show cause why the title of such complainants and claimants should not be confirmed, a copy of which complaint and summons, duly attested by the Clerk of the Probate Court, shall be published twice in the Territorial newspaper, and be kept posted in the office of said Clerk from the day of issuing the same to the return day thereof; and if no person shall appear on such return day to contest the right of the claimants to such claims, the Judge of Probate shall examine all the records filed in the office of his Clerk relating to such claims, and if he finds that the said claimants have in all respects complied with the provisions of this chapter, he shall make a decree in substance that the complainants, having complied with the laws of this Territory relating to the denouncement and registration of mines, have acquired a perfect title to their claims (describing the same) until the 1st day of January, A. D. 1868, and forever after unless abandoned by them. And the said Clerk shall give the said claimant a copy of such decree, under the seal of the court, which shall be conclusive evidence of title in any proceedings relating to such claims, until they are abandoned. And unless the persons adversely interested, and contesting the title of the complainants, shall appear on the day named in said complaint and proceed as hereinafter provided, they shall be forever barred from contesting the title of said complainants to such claims. And if the contestants shall so appear they shall on that day or some day to be fixed by said Judge proceed to file an answer, setting forth their claim and case, and the proceedings shall then be conducted in conformity to the provisions of this chapter and the code of civil practice. And whenever a final decree is made thereon, determining the title to said claim or mine, by said Judge; or by any other court on appeal, the said Judge shall cause a record to be made in the office of his Clerk of such decree, and a certified copy thereof may be made as aforesaid, with the like effect. And any claimants of mineral lands who, before this act takes effect have in any way, or under any law, acquired a title to such mineral lands, after filing with the Clerk of the Court their evidence of title and description of claim as required by this chapter, may cause an examination of the shaft sunk by them or other work done by them, to be made as aforesaid, and take the like proceedings for the confirmation of their titles, with the same effect: *Provided*, This section shall not apply except when the complainants are in possession of such mine or mining rights, claiming title thereto.

Indian Troubles May Extend Time.

30. By reason of the Indian wars and unsettled condition of the country, the time within which a shaft is required to be sunk, or other labor performed on a claim, shall not commence until two years from the day this act takes effect, and all the provisions of this chapter relating thereto are suspended for that time; but any claimant may sink a shaft or do such other labor, and at any time after the record of their claims with the Probate Court, and thereupon institute proceedings to confirm their titles, and be entitled to all the rights and privileges provided for in this chapter.

Consolidating for Developments.

31. No single person or company shall be compelled to sink shafts, or make other improvements on more than one of the tracts of land claimed by him or them for the same vein or mineral deposit, and any number of claimants on the same vein or mineral deposit, who may unite for said purpose, shall be allowed to concentrate labor, capital and energy to any one single point which to him or them shall be best suited to ascertain to the best advantage the general character, quality and capacity of that particular vein or mineral deposit, and may take the like proceedings to confirm their titles.

How to Continue Legal Right to Claims.

32. After the work required by section 28 of this chapter has been performed, and the record thereof made as therein provided, two years shall be allowed the claimants of mineral lands to develop the same and procure machinery and provide for working the same, and during that time the same shall not be considered abandoned although no work be done thereon; *Provided*, That in such an event they shall, annually, and before the first day of June in each year, file with the Clerk of the Probate Court an affidavit, signed by them, that they have not abandoned such claims, but intend, in good faith, to work them; and said term of two years shall not commence until the first day of January, A. D. 1868. And after the expiration of said term of two years, it shall be obligatory upon claimants to such mineral lands to hold actual possession of them, and work the vein, which obligation shall be considered as complied with by doing at least thirty days' work thereon in each year; but if such claimants are prevented from working such vein by the hostility of Indians, or other good cause, rendering said working difficult or dangerous, they may, by authority of the Judge of Probate first obtained, be relieved from performing labor thereon from time to time, but for not more than one year at any one time during the continuance of such cause.

33. Any person who may discover a mineral vein or deposit, as aforesaid, which is not included within a mining district, or which may be in a mining district in which there is no legally authorized Recorder, may acquire title thereto, and to auxiliary lands, by giving notice as aforesaid, and recording the same with the Clerk of the Probate Court of the county in which the same is situated, and may take the same proceedings, with the like effect, with the Clerk of the Probate Court that are required to be taken with the Recorder of a mining district.

Owners of Private Lands shall be Compensated by Miners.

34. Discoverers of mines on lands in the legal ownership or possession of others, and not public lands, before doing the work of sinking the shaft required by section 28 of this chapter, shall pay to such parties such compensation for the use of the same as may be awarded by the Judge of Probate, upon complaint of either party, or shall give bonds to such parties for payment of the same, and sureties, to be approved by said Judge, and whenever it becomes necessary or advantageous to construct tunnels for the purpose of drainage, ventilation, or the better hauling of ores or other subterraneous products or mining materials, it shall be lawful for any party or parties to construct such tunnel or drift through all private and public property; *Provided*, That all damages arising from such subterranean works to the other parties, to be determined as provided above, shall be paid by the parties for whose benefit such tunneling is done, to be paid before said work is commenced, or security given, to the satisfaction of the Judge of Probate, for payment of the same; but no damages shall be paid on public lands when claims for such lands shall be set up after such tunnel shall have been projected or actually in process of construction; *Provided*, That the lapse of time between projection and actual work shall not exceed ninety days, and that the tunnelling parties give timely notice of their project to any new claimants of the so affected ground.

Privilege of Neighboring Owners.

35. Whenever such tunnel as mentioned in the preceding section shall intersect or traverse mineral deposits, or run along lodes claimed and held by other parties, then it shall be at the option of the owners of such other mineral deposits either to pay one-half of the expense of excavation for the distance that such tunnel runs through their mineral deposits, and secure the whole of the ores excavated, or to divide the ores with the tunneling parties, the latter paying all expenses of excavation, or it shall be optional with either party to abandon all claim to the ores excavated.

Ownership of Blind Ledges.

36. If, in the construction of such subterranean works new veins or deposits are encountered in ground not claimed or owned by other parties, they shall become the property of the party for whom such tunnel is constructed, and shall be denounced and registered as is required of new mines, and shall be governed by the same laws as are prescribed in this chapter.

Claims Forfeited by Non-compliance.

37. Any claimant or claimants not complying with any of the foregoing conditions and obligations shall forfeit all right to any such recorded or unrecorded claims to mineral and auxiliary tracts, and it shall not be lawful for him or them to register such claims anew within a period of three years after such forfeiture. All such tracts shall be free for working and registry to any one but those excepted in this section.

38. All veins and mineral deposits situated on public lands, which have not been worked and occupied from the time of the acquisition of the Territory by the United States up to the time of the passage of this chapter, except as herein provided, shall be considered as abandoned and subject to registry and denouncement.

39. All veins and mineral deposits that have been or may be abandoned hereafter, shall, in all cases and respects, be governed by the laws regulating the opening and working of new veins and deposits, as prescribed in this chapter.

Claimants Re-locating Abandoned Claims must give Previous Owners Notice.

40. Whenever any mine, vein or mineral deposit shall have been abandoned, or forfeited, in accordance with the provisions of this chapter, and registered anew by other parties, it shall be obligatory upon such parties to give the former owners warning thereof, so as to remove from the tract, within the space of three months anything he or they may claim as valuable or useful. Such warning shall be given in the nearest newspaper published in the Territory, and by posting it in three of the most conspicuous places in the county where the mine is situated. Three months after the expiration of such warning any and all buildings, furnaces, arrastras, metals, and every other species of property which may still remain on the ground of such mine, vein or mineral deposit, shall become the undisputed property of the new claimant, without compensation of any kind to any person whatever.

41. Any person taking possession of or entering upon a mining claim or auxiliary lands, registered according to the provisions of this chapter, and before it is abandoned, shall be ousted therefrom in a summary manner by the order of the Probate Judge, and the malfeasor shall be adjudged to pay all costs and damages consequent thereon.

Probate Judge to Decide Mining Controversies.

42. All the proceedings in all the causes relating to mines in the Courts of this Territory shall be considered equitable proceedings, and be conducted according to the rules of practice prescribed in equity cases, and the Judge shall hear and determine all questions on their merits and according to the equitable rights of the parties.

43. In all litigated cases relative to mines, the Probate Judge shall take the testimony, or cause the testimony to be taken down in writing by the Clerk, or by a Commissioner appointed by him for that purpose, and certified and filed by him as a part of the record in the case, and whenever a witness is beyond the limits of the Territory his testimony may be taken in like manner as in cases pending in the District Court.

Appeal may be Taken from Probate to District Court.

44. An appeal shall be allowed in all mining cases from the judgment or decree of the Probate Court to the District Court, if taken within ten days after said judgment or decree, the appellant first giving bond, with two sufficient securities to the adverse party, in a sum sufficient to cover all costs and damages, in the discretion of the Court, conditioned that he will prosecute the appeal without delay, and with effect, and pay all damages resulting from the same; and if the appeal is taken after the day of trial and final judgment, then notice thereof shall be given in writing to the adverse party, and on or before the first day of the term of the District Court next thereafter, a transcript of all the papers and proceedings, and the testimony and approved report of the Commissioners taken in the case, shall be certified by the Clerk and filed in the District Court, at the expense of the appellant, and the cause so appealed shall be tried at the next term thereafter, if taken five days before the commencement of said term, and if not taken within that time, then it shall be tried at the next succeeding term.

New Evidence may be Presented to District Court.

45. All cases taken by appeal to the District Court shall be tried on their merits, on the record and testimony as certified to the District Court, and no new testimony shall be introduced unless it is shown in the affidavit of the party applying, to the satisfaction of the Court, that new, important or material testimony has been discovered since the trial before the Probate Court, or could not be procured in season to be used at said trial, and which may change the judgment in the cause, and in that event said new testimony shall be taken in writing by the Judge or Clerk of said District Court, or by a Commissioner, and become part of the record in the case.

46. Writs of error may be taken out, and appeals allowed to the Supreme Court, in all mining cases brought by appeal or certiorari into the District Court, on the same terms as are provided for by writs of error and appeals from the District Courts to the Supreme Court.

47. The District Courts shall exercise a superintending control over the Probate Courts in all mining cases, by writs of mandamus, prohibition and injunction, and writs of certiorari shall issue in all cases to correct and revise their proceedings, in case of neglect or refusal to allow an appeal in accordance with the rules of practice prescribed for the government of the District Courts.

Probate Judge may Appoint Commissioner to Examine Mines, etc.

48. The Probate Judge, in all litigating mining cases, when local knowledge is necessary, may, at his option, or at the request of either party, appoint a commission of three persons skilled in mining, to proceed to any mine or mineral land in question and examine the question in litigation, and make a report in writing, under oath, of all the facts and circumstances bearing upon the question and relevant thereto, and their report shall be rejected or approved, in whole or in part, by the Probate Judge, and if said report shall be approved it shall be certified, filed and made a part of the record in the cause. The said Commissioners shall receive five dollars per day each for their services while necessarily engaged in perform-

(Continued on page 409.)

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Dec. 24, 1864.

The market during the past week has exhibited some improvement, and a number of leading stocks are in better request at enhanced rates. The severity of the weather in Nevada occasions a little apprehension in the minds of some, but the more sanguine anticipate no future difficulty of a serious nature either in the hauling or the reduction of ores.

City shares are not materially changed but continue to be regarded with favor.

Spring Valley Water has risen to 71 bid, and S. F. C. Water to 55 bid. Rumors are prevalent touching a consolidation of these two companies but the details of this settlement have not yet been made public.

California Steam Navigation is inquired for at 75 without eliciting sellers. San Francisco Gas is held at $80 per share and North Beach and Mission R. R. at 105.

Legal Tender Notes have been active without much variation in price, and $113,000 were sold within a range of 46½, seller 30, and 48 cash, closing at about 47½ bid, and 48 asked. Latest Telegraphic advices from New York quote gold at 222 on the 22nd inst., with an unsteady market.

Gould & Curry has materially improved during the week, advancing from $1,495 to $1,620, declining to $1,585, seller 30, rallying to $1,610, then receding to $1,560, seller 30, and closing at about $1,565. 55½ feet were sold within this range. From the annual reports of the officers of this company, submitted to the stockholders on Monday last, we gather the following. The mill is now complete in all respects and with 80 stamps and 40 Hepburn pans, is reducing from 90 to 100 tons of ore daily, and at an average cost of some $12 per ton. The entire yield of the mine in bullion, for the past year, amounted to $4,898,000, and from December 1st, 1863 to December 1st, 1864, some 65,000 tons of ore were produced, 57,638 tons averaging $58.38 and 8,820 tons $172.14 per ton. The extraordinary expenses of the company during the past year, chiefly incurred in the construction of their mill, were $560,000; and $135,000 were disbursed in the settlement of adverse claims for litigation, &c. The total expenses of the mine amounted to $770,000 and some $500.000 were paid out for reduction expenses, labor, quicksilver, wood, salt, sulphur &c. The dividends declared from Dec. 3d, 1863, to Dec. 3d, 1864, amounted to $1,440,000 (being about 35 per cent. of the gross receipts of the mine) after deducting all expenses and extraordinary disbursements throughout the year. The President is of the opinion that monthly dividends of $50 to $75 per foot can be easily paid the ensuing year. With the present facilities, and the application of greater economy in the various departments of the company. it is believed that 45 per cent. of the gross proceeds can now be saved. The assets of the company are valued at $1,106,000, including 2500 tons of ore on hand at the dump pile (at $40 per ton), and 5000 tons of tailings at the mill (estimated at $30 per ton). The Superintendent reports the total amount of ground excavated during the year, at 1,234,000 cubic feet, or a cubical mass of 108 feet. He estimates the ore within sight at 17,000 tons and places the entire cost of mining, reduction, hauling, taxes, &c., at $25 per ton. The salary of the new President of this company has been fixed at $5,000 per annum in lieu of $10,000 formerly paid.

Savage has continued to improve, advancing from $1,650 to $1,725, receding to $1,690 and closing at $1,750 asked. 18 feet have been sold. To facilitate the settlement of accounts for the year, this month's dividend of $75 per share has been anticipated and is now payable. The mine, at this time, is believed to be in a very promising condition and receipts for bullion are up to the usual average.

Challar has attracted more attention this week, and 49 feet were dealt in, opening at $1,025, buyer 30, receding to $985 seller 30, then steadily advancing to $1,045 cash, and selling yesterday at $1,060, b 30. The lode in the south mine continues to increase in length and now discloses a larger body of ore than ever before, and in the 5th level of the north mine it is said that some important developments have been made this week. The production of ore for the current month will amount to some 5000 tons and a large number of mills are actively at work for this company. The average yield is now about $45 per ton.

Yellow Jacket is in rather less favor and seven feet were sold, declining from $840 to $820.

Potosi is also less firmly held at about $740 with $665 bid. The suit of this company with the Bajazet will be tried on its merits before a jury on Monday next.

Empire Mill & Mining Company remains inactive, but is held at $500 per share. Professor Silliman estimates the amount of ore remaining above the 245-feet level at 40,000 tons, and as worth some $30 per ton. The reserves between the 345 and 445-feet level are estimated at 50,000 tons, valued at $50, in addition to which another reserve of 3,000 tons is thought to be worth $90 per ton. The total reserves above the lower level of the mine are valued at nearly *four million dollars*. The same authority states that the bullion receipts of the company amounted to $1,043,720.48 from March 1, 1863, to Nov. 30, 1864, being the product of about 25,000 tons—averaging some $40 per ton. The loss in tailings is assumed to have been one-third of the total value extracted. The entire cost of timbering, mining and hauling is estimated at $5.50 per ton, and the total expense of reduction is stated to be $11.50—in all, $17 per ton. $731,000 have been expended in opening the company's mines and in the erection of their mill, machinery, etc.; $332,000 have been disbursed to stockholders, including the December dividend of $24,000. The mill and improvements have cost some $200,000.

Ophir is in less request, and 24 ft. have been sold, declining from $420 to $360. The Secretary of this company, in his annual report, states that the receipts of bullion amounted to $1,012,365 during the past year; the disbursements were $1,001,547.06, including $67,200 for dividend No. 22. 18,600 tons of ore have been taken from the mine since December, 1863, 3,345 tons of which were second class, 421 tons first class, and the remainder were third class ores. Of the latter, 5,600 tons were sold, and the balance was worked by the company, at a cost of about $32 per ton, by the Freiberg process and the patio method. The ores on hand at the mine and mills are stated to be 2,127 tons third class, and 4,000 tons fourth class. The tailings at the Woodworth mill amount to 2,000 tons. At the late annual meeting of this company the management of the past year was severely criticised by a prominent stockholder, and a number of resolutions proposed by this gentleman, imposing new and more vigilant duties upon the Trustees and Superintendent, were concurred in by a large vote.

Hale & Norcross advanced early in the week from $300 to $500, owing to a reported improvement in the mine, declined to $370 on Thursday, and closed at $325 bid.

Uncle Sam was sold at $140 and is now held at $150. The assessment of $100 per share, levied November 3d, has been rescinded and one of $60 per share (San Francisco incorporation of 2000 shares) was levied December 20th, in lieu thereof. Overman has met with no sale.

Upon the execution of a mandamus, the Trustees of this company permitted an examination of the books to be made by the San Francisco committee of stockholders, and a report will be forthcoming at an early day. It is said that the affairs of the company will be thoroughly ventilated.

Imperial is in less favor and 312 shares were sold within a range of $120, buyer 30, and $108 cash, closing at about $110.

Burning Moscow has continued to be actively dealt in and 3650 shares have changed hands at rates less variable than formerly, and closing at $34½.

Bullion has also been active and 372 shares were sold, advancing from $115 to $125 buyer 30, receding to $115 cash, and selling yesterday at $115@$118, closing at $120, buyer 30.

Nevada, (J. G.) declined from $35 to $30, advanced to $37½, buyer 30, receded to $32½ and rallied to $40, buyer 30, at which rates 200 shares changed hands.

Wide West has steadily risen from $8 to $21, (assessment of $5 delinqueot). Buckeye fell from $4 to $2½ and rose yesterday to $5. Golden Age & Empire has advanced from $11½ to about $15. Bajazet and Golden Era at $22½@$21. Baltic at $20. Sierra Nevada at $20@$19, and Daney at $15@$31. Sheba fell from 10 to $6½.

The aggregate sales of stocks and Legal Tender Notes, since Saturday last, amounts to $488,696 50.

FEDERAL, STATE, CITY AND COUNTY BONDS.

NAME.	Bid.	Asked.	Amount Outstanding.	Interest, When Payable.	Interest, Where Payable.	Principal, When due.	Remarks.
United States Bonds, 7 3-10	—	—	$ 139,996,950	Feb. Aug. April and Oct.	U. S. Treasury	1864	
Legal Tender Notes	47½	48					
California State Bonds, 7s, 1857	—	80	3,620,500			1867	
San Francisco Bonds, 10s, 1851		105	1,352,600	May and November	San Francisco	1871	
San Francisco Fire Bonds, 10s, 1854		105	170,500	January and July	New York	1866	
San Francisco City Bonds, 6s, 1855	65	70	329,000	January and July	New York	1875	
San Francisco City and County Bonds, 6s, 1858	62½	64	1,133,500	January and July	San Francisco	1888	
San Francisco School Bonds, 7s, 1854			42,000	May and November	New York	1866	
San Francisco School Bonds, 10s, 1860		100	59,500	January and July	New York	1870	
San Francisco School Bonds, 10s, 1861		100	20,000	January and July	New York	1870	
San Francisco City and County Bonds 7s, 1862	—	72	300 000		San Francisco		Subscribed to S. F. & S. J. R. R.
Sacramento City Bonds	38	40	1,416,000				
Sacramento County Bonds, 6s	43	50	440,000				
Marysville Bonds, 10s	75	77					
Stockton City Bonds	70	80	220,000		New York		
Yuba County Bonds, 10s	76	80	290,000				
Santa Clara County Bonds, 7s	65	75	200,000				
Butte County Bonds, 10s, 1860		60	200,000	January and July	Oroville	1880	Issued to Nothern California R. R.
San Mateo County Bonds, 7s	60	70	100,000				

SAN FRANCISCO AND MISCELLANEOUS STOCKS.

NAME	Bid.	Asked.	No. of Shares.	Incorporate Val. ₱ share.	Amount Paid per share.	Dividends.	Remarks.
California Steam Navigation Co	75	—	2,500	$1,000		2 ₱ ct. ₱ month on capital stock.	Dividend of 8 ₱ ct. paid Oct. 15.
State Telegraph Co	—	37	25,000	100		$1 ₱ share quarterly	
San Francisco Gas Co	75	78	20,000	100		1 ₱ ct. ₱ month on capital stock.	
Sacramento Gas Co			1,000	500		10 ₱ ct. ₱ annum on capital stock	
San Francisco City Water Works	50	—	4,000	500	Full Paid	$2.50 per share	
Spring Valley Water Co	65	65	3,000	1,000	$460		Assm't of $10 ₱ sh levied Nov. 4.
Virginia and Gold Hill Water Co		90	1,000	250		$7.50 ₱ share ₱ month	
Sacramento Valley Railroad Co	20	30	8,000	100	$100		
Omnibus Railroad Co	108	—	10,000	100	41 ₱ cent.—$41.	½ ₱ ct. ₱ month on capital stock	
Central Railroad Co		100	5,000	100			
North Beach and Mission Railroad Co	95	105	10,000	100	38 ₱ cent,—$38.		
San Francisco and San Jose Railroad Co			20,000	100	Full Paid		
California Building, Loan and Savings Society			2,500	100	Full Paid	1¾ ₱ cent ₱ month	Dividend payable May and Nov.
South San Francisco Homestead and R. R. Ass'n		75	500	300	$172		
Fireman's Fund Insurance Co	—		20,000	10	Full Paid		
Pacific Insurance Co	125	—	7,500	100	Full Paid	$6 per share paid quarterly	
San Francisco Insurance Co	—		300	500	Full Paid	1½ ₱ cent ₱ month	Surplus fund $75,874.
Merchants' Mutual Marine Insurance Co			100	5,000	10 ₱ cent		90 per cent. in demand notes.
California Insurance Co			200	1,000	50 ₱ cent		Assets $302,126.37.
Bank of Pacific Accumulation Loan Company			50,000	$100		1½ ₱ cent ₱ mo. on am't paid in	
Pittsburg Coal Mining Co. (Mt. Diablo)			200	500			
Black Diamond Coal Mining Co. (Mt. Diablo)	—		5 000	100			
Eureka Coal Mining Co			4 000	25			
Bellingham Bay Coal Co		25	10,000	100	Full Paid	½ ₱ ct. ₱ month on capital stock	89th dividend paid.

Sales of Mining Shares

By the San Francisco Stock and Exchange Board.

Saturday, December 17.

$ 3,000 Legal Tender Notes at 44¼ cpr cent, s 30,
4 shs Challar at 995 per foot.
28 shs Challar at 1025 per foot, b 30.
4 shs Challar at 1020 per foot, b 30.
16 shs Challar at 1000 per foot.
5 shs Uncle Sam at 130 per foot, s 30.
36 shs Sheba at 9 per foot.
70 shs Sheba at 9½ per foot.
5 shs Imperial at 116 per share.
6 shs Imperial at 116 per share, s 30.
10 shs Burnside at 6½ per share.
50 shs Wide West at 9 per share, s 15.
25 shs Blue Ledge at 1 per share.
30 shs Bajazet & Golden Era at 20 per sharn.
70 shs Burning Moscow at 36 per share.
10 shs Burning Moscow at 36 per share, r w.
60 shs Burning Moscow at 37 per share.
75 shs Burning Moscow at 37 per share, r w.
10 shs Burning Moscow at 37½ per share, b 6.
50 shs Burning Moscow at 38½ per share.
10 shs Burning Moscow at 39 per share, b 30.
20 shs Burning Moscow at 39½ per share, s 5.
20 shs Burning Moscow at 38 per share, b 15.
40 shs Burning Moscow at 36½ per share, s 10.
10 shs Burning Moscow at 36½ per share, s 10.
40 shs Burning Moscow at 37 per share, b 10.
40 shs Burning Moscow at 38 per share, b 30.
10 shs Burning Moscow at 38½ per share, b 30.
30 shs Burning Moscow at 36½ per share, r w.

AFTERNOON SESSION.

$10,000 Legal Tender Notes at 46 per cent, s 15.
$10,000 Legal Tender Notes at 47 per cent.
$ 5,000 Legal Tender Notes at 46¾ per cent, s 15.
20 shs Sheba at 9½ per foot.
10 shs Imperial at 120 per share, b 30.
170 shs Blue Ledge at 1 per share.
10 shs Sierra Nevada at 20 per share.
5 shs Sierra Nevada at 19 per share.
25 shs Wide West at 9 per share.
50 shs Wide West at 9 per share, s 15.
90 shs Burning Moscow at 35 per share.
40 shs Burning Moscow at 34 per share.
20 shs Burning Moscow at 34½ per share.
30 shs Burning Moscow at 33 per share, b 30.
30 shs Burning Moscow at 35½ per share, r w.
20 shs Burning Moscow at 36 per share, b 5.
20 shs Burning Moscow at 33 per share, s 30.
30 shs Burning Moscow at 35 per share, b 30.
20 shs Burning Moscow at 35 per share, r w.
20 shs Burnside at 7¾ per share.
20 shs Burnside at 8 per share, r w.
10 shs Burnside at 8¼ per share, r w.
10 shs Burnside at 8½ per share, r w.
10 shs Burnside at 8¾ per share.
30 shs Burnside at 9 per share, r w.
Amount of sales ..... $ 58,645 00

Monday, December 19.

48 shs Ophir at 420 per foot.
2 shs Gould & Curry at 1495 per foot.
4 shs Gould & Curry at 1525 per foot.
4 shs Gold and Curry at 1520 per foot, r w.
4 shs Gould & Curry at 1520 per foot, b 3.
22 shs Hale & Norcross at 300 per foot.
2 shs Hale & Norcross at 310 per foot.
4 shs Challar at 995 per foot.
4 shs Challar at 985 per foot, s 30.
31 shs Burnside at 10 per share.
30 shs Burnside at 10½ per share, r w.
30 shs Burnside at 9½ per share, s 30.
40 shs Burnside at 11 per share.
55 shs Burnside at 10½ per share.
10 shs Harmon at 5 per share.
20 shs Buckeye at 3½ per share.
20 shs Buckeye at 4 per share, r w.
10 shs Buckeye at 3¾ per share, r w.
5 shs Imperial at 115 per share.
5 shs Lady Bryan at 6 per share, 60 d.
120 shs Burning Moscow at 34½ per share.
60 shs Burning Moscow at 34½ per share, r w.
10 shs Burning Moscow at 34 per share, r w.
10 shs Burning Moscow at 34 per share, s 5.
20 shs Burning Moscow at 34 per share, s 10.
10 shs Burning Moscow at 35 per share, r w.
90 shs Burning Moscow at 35 per share.
70 shs Burning Moscow at 35¾ per share, r w.
10 shs Burning Moscow at 35 per share, s 10.
10 shs Burning Moscow at 36 per share, b 5.
10 shs Burning Moscow at 36 per share, b 10.
10 shs Burning Moscow at 36 per share, r w.
10 shs Burning Moscow at 35½ per share, b 20.
10 shs Burning Moscow at 35¾ per share.
$ 5,000 Legal Tender Notes at 48 per cent.
$ 9,000 Legal Tender Notes at 46¾ per cent, s 30.

AFTERNOON SESSION.

4 shs Gould & Curry at 1520 per foot.
60 shs Ophir at 420 per foot.
36 shs Ophir at 415 per foot, s 30.
24 shs Challar at 985 per foot.
8 shs Challar at 985 per foot, s 30.
20 shs Sheba at 9 per foot.
210 shs Burnside at 10¾ per share.
10 shs Burnside at 10½ per share, s 5.
10 shs Burnside at 10¾ per share.
10 shs Imperial at 120 per share, b 30.
10 shs Wide West at 8 per share.
20 shs Burning Moscow at 36 per share.
10 shs Burning Moscow at 38 per share, b 30.
10 shs Burning Moscow at 35 per share.
40 shs Burning Moscow at 37 per share, r w.
20 shs Burning Moscow at 36 per share, s 10.
30 shs Burning Moscow at 37 per share, s 10.
20 shs Burning Moscow at 38 per share, b 5.
$10,000 Legal Tender Notes at 47 per cent, s 30.
$ 5,000 Legal Tender Notes at 47¼ per cent, s 15.
Amount of sales ..... $ 62,052 00

Tuesday, December 20.

12 shs Gould & Curry at 1530 per foot.
4 shs Gould & Curry at 1520 per foot, s 30
4 shs Gould & Curry at 1517½ per foot, s 30.
4 shs Gould & Curry at 1520 per foot, s 30.
4 shs Gould & Curry at 1540 per foot.
8 shs Gould & Curry at 1530 per foot, s 30.
4 shs Gould & Curry at 1530 per foot, r w.
38 shs Challar at 1025 per foot, s 30.
12 shs Challar at 1000 per foot, r w.
4 shs Challar 1020 per foot, b 30.
24 shs Ophir at 420 per foot.
1 sh Yellow Jacket at 840 per foot.
5 shs Imperial at 115 per share.
4 shs Imperial at 116 per share, r w.
5 shs Imperial at 117 per share, r w.
20 shs Burnside at 10¾ per share.
26 shs Burnside at 10¼ per share.
30 shs Burnside at 10 per share.
10 shs Caledonia Tunnel at 5 per share.
20 shs Wide West at 8½ per share.
10 shs Wide West at 9 per share.
20 shs Wide West at 8¼ per share, s 30.
10 shs Wide West at 9½ per share.
10 shs Bajazet and Golden Era at 22½ per share.
35 shs Bajazet & Golden Era at 20 per share.
10 shs Nevada, J. G. at 35 per share.
10 shs Nevada, J. G., at 35 per share, r w.
25 shs Bullion, G. H., at 115 per share.
30 shs Bullion, G. H., at 125 per share, b 30.
5 shs Bullion, G. H., at 122 per share, b 30
10 shs Bullion at 116 per share.
10 shs Bullion, G. H., at 124 per share, b 30.
In shs Burning Moscow at 38½ per share, r w
30 shs Burning Moscow at 39 per share.
40 shs Burning Moscow at 38¾ per sharn.
50 shs Burning Moscow at 37 per share, s 10.
20 shs Burning Moscow at 38 per share.
20 shs Burning Moscow at 38 per share, r w
20 shs Burning Moscow at 39 per share, b 30.
40 shs Burning Moscow at 40 per share, b 30.
20 shs Burning Moscow at 37½ per share.
50 shs Burning Moscow at 37 per share.
50 shs Burning Moscow at 39 per share, b 30.
40 shs Burning Moscow at 36½ per sharo.
50 shs Burning Moscow at 36¼ per share, s 10.
10 shs Burning Moscow at 33½ per share, b 30.

AFTERNOON SESSION.

4 shs Gould & Curry at 1550 per foot.
4 shs Gould & Curry at 1540 per foot, s 30.
4 shs Gould & Curry at 1560 per foot, r w.
4 shs Gould & Curry at 1575 per foot.
12 shs Gould & Curry at 1560 per foot, s 30.
2 shs Hale & Norcross at 360 per foot.
2 shs Hale & Norcross at 390 per foot.
18 shs Hale & Norcross at 400 per foot.
2 shs Hale & Norcross at 405 per foot.
10 shs Hale & Norcross at 410 per foot.
10 shs Caledonia Tunnel at 4 per share.
10 shs Bullion, G. H., at 120 per share, r w.
10 shs Bullion, G. H., at 122½ per share.
10 shs Nevada, J. G., at 35 per share, b 30.
20 shs Nevada J. G., at 34 per share, r w.
20 shs Nevada J. G., at 30 per share, s 30.

10 shs Nevada, J. G., at 33 per share, b 30.
10 shs Burnside at 8¾ per share, r w.
20 shs Burning Moscow at 35 per share.
80 shs Burning Moscow at 35½ per share.
10 shs Burning Moscow at 35½ per share,
10 shs Burning Moscow at 36 per share.
35 shs Burning Moscow at 36 per share, r w.
Amount of sales.....$ 88,154 00

Wednesday, December 21.

7 shs Savage at 1725 per foot.
2 shs Hale & Norcross at 300 per foot.
2 shs Hale & Norcross at 310 per foot.
2 shs Hale & Norcross at 405 per foot, b 30.
2 shs Hale & Norcross at 395 per foot.
8 shs Gould & Curry at 1560 per foot, s 30.
4 shs Gould & Curry at 1570 per foot, s 30.
4 shs Gould & Curry at 1590 per foot.
8 shs Gould & Curry at 1595 per foot.
4 shs Gould & Curry at 1600 per foot.
10 shs Sheba at 10 per foot.
5 shs Imperial at 117 per share.
25 shs Imperial at 120 per share.
20 shs Imperial at 121 per share.
25 shs Humboldt at 50c cents per share.
10 shs Nevada, J. G. at 32½ per share, b 30.
5 shs Nevada, J. G. at 31 per share.
11 shs Nevada, J. G., at 30 per share, r w.
14 shs Nevada, J. G., at 30 per share.
10 shs Nevada, J. G., at 31 per share r w.
5 shs Nevada, J. G., at 32 per share.
5 shs Nevada, J. G., at 32 per share, s 32.
10 shs Nevada, J. G. at 37 per share, b 30.
5 shs Nevada, J. G., at 34 per share.
32 shs Wide West at 10 per share.
20 shs Buckeye at 2¾ per share.
10 shs Golden Age & Empire at 11¾ per share.
10 shs Bajazet & Golden Era at 21 per share, s 10.
5 shs Baltic at 20 per share.
90 shs Burning Moscow at 34 per share.
50 shs Burning Moscow at 33½ per share.
60 shs Burning Moscow at 33 per share.
50 shs Burning Moscow at 35 per share, b 30.
20 shs Burning Moscow at 32½ per share.
20 shs Burning Moscow at 33 per share, r w.
10 shs Burning Moscow at 34½ per share, b 30.
20 shs Burning Moscow at 34 per share, r w.
10 shs Burning Moscow at 34 per share, s 10.
$ 1,000 Legal Tender Notes at 46½ per cent, s 30.
$10,000 Legal Tender Notes at 47½ per cent, r w.

AFTERNOON SESSION.

4 shs Gould & Curry at 1600 per foot.
4 shs Gould & Curry at 1615 per foot.
12 shs Gould & Curry at 1620 per foot.
8 shs Gould & Curry at 1610 per foot, r w.
12 shs Gould & Curry at 1610 per foot.
4 shs Gould & Curry at 1585 per foot, s 30.
4 shs Savage at 1725 per foot.
40 shs Dancy at 15 per foot.
48 shs Dancy at 13 per foot.
36 shs Ophir at 415 per foot, s 30.
12 shs Ophir at 410 per foot, s 30.
6 shs Yellow Jacket at 825 per foot.
5 shs Hale & Norcross at 370 per foot.
5 shs Imperial at 119 per share.
25 shs Imperial at 120 per share.
20 shs Imperial at 120 per share, r w.
10 shs Imperial at 121 per share, b 10.
10 shs Bullion, G. H., at 122½ per share, b 30.
10 shs Bullion, G. H., 118 per share.
5 shs Bullion, G. H., at 120 per share, h 10.
10 shs Bullion, G. H., at 125 per share, b 20.
5 shs Nevada, J. G., at 32½ per share.
10 shs Nevada, J. G., at 33 per share.
10 shs Bajazet and Golden Era at 23 per foot, b 30.
21 shs Burnside at 7¾ per share.
60 shs Burning Moscow at 34½ per share.
40 shs Burning Moscow at 34½ per share, r w.
10 shs Burning Moscow at 34 per share.
10 shs Burning Moscow at 35 per share, b 10.
80 shs Burning Moscow at 34 per share, s 10.
Amount of sales.....$100,320 00

Thursday, December 22.

60 shs Ophir at 415 per foot.
24 shs Gould & Curry at 1610 per foot.
4 shs Gould & Curry at 1580 per foot, s 30.
12 shs Gould & Curry at 1600 per foot.
8 shs Gould & Curry at 1590 per foot, s 10.
16 shs Gould & Curry at 1570 per foot, s 30.
4 sh Savage at 1725 per foot.
8 shs Chollar at 1010 per foot.
10 shs Sheba at 9 per foot.
60 shs Burnside at 9⅝@10 per share.
43 shs Imperial at 120@116 per share.
40 sh Wide West at 15@17 per share.
10 shs Wide West at 16½ per share, s 30.
5 shs Bajazet & Golden Era at 21 per share.
10 shs Bullion, G. H., at 122½ per share, b 30.
22 shs Bullion C. H. at 118@110 per share.
5 shs Bullion, G. H., at 118 per share, b 5.
10 shs De Soto at 5 per share, b 30.
10 shs Buckeye at 3 per share.
50 shs Crockett Cons. at 50c per share.
5 shs Nevada, J. G. at 32 per share, s 5.
20 shs Nevada, J. G., at 34@33 per share.
210 shs Burning Moscow at 35@34½ per share.
50 shs Burning Moscow at 35 per share, b 30.
40 shs Burning Moscow at 34@35 per share, b 5.
20 shs Burning Moscow at 34 per share, b 10.
10 shs Burning Moscow at 35 per share, b 2.
20 shs Burning Moscow at 33 per share, s 30.
$ 3,000 Legal Tender Notes at 46¾ per cent, s 30.
$ 2,000 Legal Tender Notes at 46½ per cent.

AFTERNOON SESSION.

4 shs Gould & Curry at 1590 per foot.
4 Gould & Curry at 1560 per foot, s 10.
8 shs Chollar at 1075 per foot, b 30.
4 shs Chollar at 1040 per foot.
28 shs Chollar at 1045 per foot.
4 shs Chollar at 1060 per foot, b 30.
1 sh Savage at 1700 per foot.
12 shs Ophir at 400 per foot.
50 shs Imperial at 119 per share, h 30.
30 shs Imperial at 119 per share.
5 shs Imperial at 108 per share, s 10.
85 shs Burning Moscow at 34 per share.
85 shs Burning Moscow at 35@36 per share, b 30.
100 shs Burning Moscow at 32½ per share, s 30.
20 shs Burning Moscow at 34 per share.
50 shs Buckeye at 3 per share.
10 shs Bullion, G. H., at 123 per share, b 30.
20 shs Bullion, C. H., at 116 per share.
30 shs Bullion, C. H., at 117 per share.
10 shs Nevada, J. G., at 40 per share, b 30.
10 shs Bajazet & Golden Era at 21 per share.
10 shs Burnside at 8¾ per share.
Amount of sales.....$98,385 00

Friday, December 23.

4 shs Chollar at 1040 per foot.
8 shs Chollar at 1050 per foot, b 10.
8 shs Gould & Curry at 1560 per foot.
8 shs Gould & Curry at 1550 per foot.
8 shs Gould & Curry at 1545 per foot.
1 sh Savage at 1690 per foot.
1 sh Savage at 1700 per foot.
15 shs Hale & Norcross at 300 per foot.
10 shs Sheba at 6¼ per foot.
40 shs Bajazet & Golden Era at 21 per share.
30 shs Wide West at 16¾ per share.
16 shs Imperial at 110 per share.
10 shs Bullion, G. H., at 115 per share.
20 shs Bullion, C. H., at 115 per share, b 10.
10 shs Bullion, G. H., at 118 per share, b 30.
30 shs Burning Moscow at 35 per share, b 30.
160 shs Burning Moscow at 34@33¾ per share.
100 shs Burning Moscow at 34½ per share, b 10.
10 shs Burning Moscow at 35 per share, b 20.
40 shs Burning Moscow at 33½ per share, s 10.
60 shs Burning Moscow at 34½ per share, b 15.
$10,000 Legal Tender Notes at 47 per cent. s 30.
$15,000 Legal Tender Notes at 47½ per cent, s 30.
$ 5,000 Legal Tender Notes at 47½ per cent, s 60.

AFTERNOON SESSION.

8 shs Chollar at 1060 per foot, b 30.
1 sh Yellow Jacket at 820 per foot.
70 shs Golden Age & Empire at 14¾@15¼ per share.
12 shs Ophir at 360 per foot, b 30.
10 shs Wide West at 20 per share, s 30.
10 shs Imperial at 110 per share, s 10.
30 shs Burning Moscow at 33½ per share.
90 shs Burning Moscow at 34@34½ per share.
2 shs Burnside at 8 per share.
20 shs Bullion, G. H., at 115 per share.
15 shs Bullion, G. H., at 118 per share.
55 shs Bullion, G. H., at 119 per share.
10 shs Bullion, G. H., at 120 per share, b 10.
84 shs Sheba at 6 per foot.
20 shs Sheba at 5½ per foot.
Amount of sales.....$ 81,240 50

MINING STOCKS.

WASHOE DISTRICT.

Name of Company.	No. of feet in Mine.	Shares per foot.	Total No. of Shares.	Incorporate Value.	BID Per foot.	ASKED Per foot.	Last Month'ly dividend Paid.	Recent Assessments Per foot	Total Assess'ts Paid
Baltimore American	2,600	1	2,600	$ 500 00	$ —	$ 30 00	....	Jan 18, $5; May 31, $5.	$18 75
Baltic	1,800	1	1,800	200 00	18 00	21 00	....	July 23 $0; Oct. 12, $10.	45 00
Bajazet and Golden Era	4,000	1	4,000	300 00	20 00	21 00	....	July 30, $5. Aug, 3, $5.	28 25
Best & Belcher	224	1	896	500 00	200 00	250 00	....	May 17, $100; Sep 21, $50.	600 00
Burning Moscow	4,100	1	4,100	500 00	34 00	35 00	....	Jan 19, $15; June 24 $5.	56 34
Burnside	2,800	1	2,800	500 00	8 00	9 00	....	Feb 16, $2; Aug. 31, 50c.	9 50
Belcher	1,040	3	3,120	1,000 00	—	750 00	.... $24		
Buckeye	3,000	....	2,800	100 00	5 00	6 00	....	Oct. 21, $5; Dec 13, 2 50.	25 70
Bullion, G. H.	2,500	1	2,500	200 00	115 00	116 00	....	Sept 13, $10; Sep 17, $10.	
California	300	12	3,600	300 00	—	—	....	July 12, $150 00	
Central	150	12	1,800	300 00	—	600 00	....	Jan 23, $15.	
Caledonia Tunnel	5,000	1	5,000	400 00	8 00	10 00	....	May 26, $3; July 12, $1½	19 50
Crown Point	600	4	2,400	1,000 00	—	650 00	....	....	190 00
Chas. Caney	1,800	1	1,800	30 00	—	15 00	....	Nov 30, $5; Mar 16, $3.	25 00
Challar	1,400	4	5,000	800 00	1,040 00	1,056 00	....	Jan 25, $60; Apr 15, $50.	370 00
Dancy	2,000	4	8,000	60 00	18 00	20 00	....	Sept 15, $10 ; Nov 7, $8.	60 00
Desert	2,200	1	2,200	100 00	—	—	....	Jan 20, $1.	8 00
El Dorado	1,600	1	1,600	500 00	—	—	....	Mar 10, $2; Nov. 3, $2.	27 00
Empire M. & M. Co.	75	16	1,200	833 00	—	550 00	.... $25		
Gould & Curry	1,200	4	4,800	500 00	1,550 00	1,560 00	.... $75		
Grass Valley	4,200	1	4,200	500 00	—	50 00	....	Dec 17, $3½; Mar 29, $10.	
Hale & Norcross	400	2	800	500 00	300 00	310 00	....	Sept. 13, $50; Nov 8, $50.	475 00
Imperial	184	....	4,000	500 00	110 00	112 00	.... $7.50	Dec 22, $12.50 per share.	270 00
Iowa	1,200	1	1,200	1,000 00	—	12 00	....	Nov 18, $1; July 16, $6.	27 00
Lady Bryan	5,000	1	5,000	100 00	5 00	0 00	....	July 19, $3; Nov. 1, $5.	23 25
Lacerne	1,800	1	1,800	500 00	—	—	....	Nov 27, $3; Feb 16, $5.	35 00
Mount Hope, G. H.	2 000	1	2,000	500 00	—	3 00	....	Feb 10, $1; Mar 2, $1.	7 50
Michigan	1,500	1	1,500	100 00	—	17 00	....	Nov 23, $10; Feb 18, $10.	
Nevada, J. G.	2,100	1	2,100	200 00	35 00	37 00	....	July 26, $12; Oct 28, $10.	42 00
North Potosi	2,000	1	2,000	250 00	—	10 00	....	Aug 0 $12½; Oct 18, $12½	140 00
North American	4,100	1	4,100	300 00	—	40 00	....	Sept 2 $2 ; Dec. 7, $2.	
North Ophir	1,600	1	1,600	500 00	—	—	....	Nov 11, $1; Mar 25, $5.	
Norton	1,600	1	1,600	500 00	—	8 00	....	Oct 3, $2; Apr 1, $1	11 50
Ophir	1,400	12	16,800	500 00	405 00	410 00	.... $48		
Overman	1 200	1	1,200	500 00	60 00	75 00	....	July 7, $20; Nov. 19, $50.	
Potosi	1,400	2	2,800	500 00	650 00	725 00	....		62 00
Porter	600	1	600	500 00	—	30 00	....	Jan 12, $5.	10 00
Pride of the West	1,400	1	1,400	100 00	5 00	0 00	.... $5	Oct, Nov, Dec 16, $9.	0 00
Savage	800	1	800	2,000 00	1,690 00	1,700 00	.... $75		135 00
Sacramento & Meredith	3,600	4	14,400	125 00	—	12 00	....	Feb 11, $4; Apr 21, $10.	
Sides	500	2	1,000	500 00	—	175 00	....	Dec 21, $50; Mar 17, $25.	
Sierra Nevada	3,000	1	3,000	500 00	—	25 00	....	Mar 8, $5; May 16, $10.	96 00
Spanish No. 2	1,600	1	1,000	500 00	—	10 00	....	Mar 25, $5; May 13, $5.	
Uncle Sam	1,200	1	2,000	200 00	145 00	—	....	Aug 25, $100: Dec 20 $50.	223 00
Whitaaau	1,800	1	1,800	1,000 00	—	—	....	Mar 25, $10; Jun 18, $7½	27 50
White & Murphy	210	4	840	150 00	—	50 00	....	June 17, $30; Oct 6. $18.	275 00
Yellow Jacket	1,200	1	1,200	1,000 00	—	825 00	....	July 21, $30; Aug 4, $110.	250

ESMERALDA DISTRICT.

Antelope	1,200	1	1,200	500 00	—	80 00	....	Feb 19, $25; Sept 14, $25.	162 50
Bamboo	600	1	600	500 00	—	—	....	Sept 18, $5; Juno 20, $2.	21 50
Esmeralda	1,600	1	1,600	1,000 00	—	5 00	....		12 25
Falls of the Clyde	6,000	1	6,000	100 00	—	—	....	Nov 20, 50c.	2 72
Golden Age and Empire	2,600	1	2,600	250 00	14 00	15 00	.... $5		
Nevada	500	2	1,200	250 00	—	—	....	Nov 6, $1; Feb 2, 50c.	
Real del Monte	4,400	1	4,400	400 00	—	18 00	....	March 8, $20.	44 50
Silver Hill	3,000	1	3,000	500 00	—	7 00	....		8 25
Ural	400	1	400	500 00	—	—	....	Nov 18, $20.	
Utah	1,600	1	1,600	250 00	—	5 00	....	Jan 5, $3; Sept 20, $12½.	19 00
Wide West	2,500	1	2,600	500 00	—	21 00	....	May 25, $5; Nov 21, $5.	90 00

COSO DISTRICT.

Coso	26,000	....	3,600	600 00	—	—	....	Jan 29, $1; May 11. $1.	
Josephine	9,500	2	4,800	250 00	—	—	....	July 31, 50c; Nov 19, $1.	13 00
San Carlos	....	....	2,500	100 00	—	—	....	Apr 14, $1½; June 9, $4.	20 50
Willow Springs	2,700	1	2,700	100 00	—	—	....	Sept 9, $2; Jan 6, $1.	7 50

HUMBOLDT DISTRICT.

De Soto	1,980	1	1,980	100 00	—	—	....	Sept. 17, 2½; Dec. 12, 2½	19 35
Sheba	1,800	2	3,600	500 00	6 00	8 00	....	Aug 12, $20; Nov 25, $30.	92 35

REESE RIVER DISTRICT.

Amador	1,400	....	....	....	—	—	....	May 3, $5; June 21, $4.	20 00
Coral	1,000	1	1,000	500 00	—	—	....	Jan 29, $2; May 25, $3.	8 40
Florida	800	1	800	200 00	—	—	....		
Oregon	800	2	1,600	300 00	—	20 00	....		1 00
Union No. 2	1,000	1	1,000	500 00	—	—	....	Dec 8, 50c.	2 50
Whitlatch	500	2	1,200	1,000 00	—	—	....	June 25, $5; Nov 16, $10.	26 00
Willow	2,800	....	1,400	200 00	—	—	....	Nov 23, 50c.	
Yankee Blade	1,400	1	1,400	500 00	—	—	....		
North Star	1,000	1	1,000	500 00	—	60 00	....	Mar 28, $1, Sept 5, $3.	5 50
Gov. Seymour	1,000	1	1,000	500 00	—	—	....		1 50
Diana	1,200	1	1,200	500 00	—	—	....		1 50
Blue Ledge	1,000	1	1,000	1,200 00	—	—	....		2 00
Joe Lano	1,000	1	1,000	500 00	—	—	....	Jan 18, 50c.	1 50
Honest Miner	1,400	1	1,400	1,000 00	—	—	....	Jan 18, 50c; Mar 21, 50c.	2 00

MEXICO.

Dios Padre	2,200	1	1,920	500 00	—	40 00	....	Dec. 13, $3.	50 00
Mina Prieta	2,200	1	2,200	1,000 00	—	—	....	Dec. 20, $10.	150 00
Sradc Guadelupe	3,000	1	3,000	1,000 00	—	—	....		9 00
San Marcial	13,200	1	13,200	100 00	—	25 00	....		
San Nicholas	1,200	1	1,200	200 00	—	—	....	Sept 10, $2.	

MISCELLANEOUS.

Blue Ledge	7,800	1	7,800	50 00	—	3 00	....	Jun 16, $1½; Oct 5, $1½.	
Fellows	2,500	1	2,500	100 00	—	—	....		
Melones	3,000	1	3,000	50 00	6 00	9 00	....	June 30, $2½; Oct 27. 2½	
Napoleon	2,700	1	2,700	600 00	50 00	80 00	....	Feb 13, $10; June 8, $5.	15 00
Trinnfo, L. C.	7,866	1	7,866	200 00	—	25 00	....	Dec. 13, $2.	17 00

Fluctuations in Leading Mining Shares for the past Six Months.

Name of Company.	May 20th.	June 1st.	June 10th.	June 20th.	July 1st.	July 10th.	July 20th.	July 30th.	Aug. 10th.	Aug. 20th.	Sept. 1st.	Sept. 10th.	Sept. 20th.	Oct. 1st.	Oct. 10th.	Oct. 20th.	Nov. 1st.	Nov. 10th.
Gould & Curry.....per ft.	$3,900	$3,000	$3,200	$3,200	$1,150	$1,600	$1,550	$900	$1,600	$1,400	$1,475	$1,250	$1,100	$1,300	$1,380	$1,610	$1,650	$1,335
Ophir	1,200	825	920	850	720	725	670	425	480	500	490	460	300	350	355	455	415	435
Savage	1,800	1,600	1,800	1,825	1,250	1,150	1,100	750	1,300	1,300	1,300	1,280	1,225	1,400	1,380	1,850	1,900	1,800
Potosi	900	850	850	950	1,000	900	1,000	925	875	900	890	800	690	720	790	750	850	825
Chollar	650	500	575	515	375	425	300	300	325	475	550	650	560	690	880	950	1,000	1,000
Hale & Norcross	525	500	425	350	475	350	....	210	....	300	480	425	240	350	350	465	490	1,000
Sheba	100	90	90	80	75	70	60	40	25	20	80	95	75	70	57	65	62	53
Dancy	....	60	....	60	....	50	45	30	35	....	35	30	....	20	....	27	20	20
Wide West	22	20	15	12	10	8	7	20	17	18	20	31	27	35	28	26	28	23
Burning Moscow	55	52	45	40	23	15	13	12	15	18	20	19	27	60	62	72	37	40
Pride of the West	18	8	10	5	6	3	2	....	2	....	2	....	2	8	6	7	7	8
Bullion	70	68	65	70	65	50	50	40	30	....	....	40	40	55	80	110	145	155
Real del Monte	48	40	41	32	23	15	12	11	15	16	14	15	19	35	25	25	24	25
El Dorado	....	....	....	....	....	....	10	8	10	12	5	....	....	....	....	....	....	....
Overman	....	....	200	200	250	200	....	250	225	....	150	175	160	....	135	165	165	130
Sierra Nevada	55	....	....	....	....	20	15	15	15	....	10	22	20	....	20	42	50	45
Yellow Jacket	750	750	950	900	850	700	600	450	400	450	375	400	575	600	725	800	970	950
White & Murphy	....	....	....	....	....	....	300	....	....	....	....	....	....	....	25	30	....	40
Sides	....	....	....	....	....	....	200	....	....	175	....	....	....	....	20	....	....	....
Uncle Sam	700	650	700	610	....	400	350	250	190	210	200	200	....	200	350	210	190	180
Baltic	65	75	70	55	45	40	22	15	13	13	15	24	23	22	30	31	20	18
North American	110	122	120	90	65	62	54	30	....	25	25	25	30	25	55	40	....	40
Baltimore American	47	35	....	60	40	42	35	30	32	20	20	15	25	....	25	26	....	....
Melones	15	20	15	....	12	10	12	9	13	17	13	13	....	....	13	12	....	8
Antelope	147	....	125	130	100	65	70	50	....	....	14	12	20	15	20	45	65	100
Napoleon	75	70	80	75	70	65	60	45	....	50	60	....	....	....	75	....	70	....
Sacramento	50	50	45	....	....	....	20	....	....	....	....	....	....	....	....	....	....	....
Utah	....	....	28	26	30	18	15	18	15	....	....	....	5	....	5	6	5	....
Lady Bryan	35	23	32	25	25	10	4	5	4	5	5	7	6	9	6	5	3	3
Imperial	....	....	....	....	....	....	....	....	....	....	....	....	....	....	149	151	155	148

Authorized Scale of Commissions Adopted by the S. F. Stock and Exchange Board.

Miscellaneous.

Funded Debt, on par	½ per cent
Insurance Stocks, on par	½ per cent
Wharf Stocks, on par	½ per cent
Gas Stocks, on par	½ per cent
Railroad Stocks, on par	½ per cent
Steamboat Co. Stocks, on par	½ per cent
Telegraph Co. Stocks, on par	½ per cent
Water Co. Stocks, on par	½ per cent
Legal Tender Notes and Bonds, on par	½ per cent
Bills of Exchange, on net amount	½ per cent
Mint Certificates, on net amount	½ per cent
Specie, on net amount	½ per cent

FRANK LAWTON, Secretary.

Commissions on Mining Shares.

Sale at 1 dollar up to 10 dollars	$0 25 per foot
Sale at 10 dollars up to 25 dollars	50 per foot
Sale at 25 dollars up to 50 dollars	1 00 per foot
Sale at 50 dollars up to 100 dollars	1 50 per foot
Sale at 100 dollars up to 200 dollars	2 50 per foot
Sale at 200 dollars up to 400 dollars	5 00 per foot
Sale at 400 dollars up to 600 dollars	5 00 per foot
Sale at 600 dollars up to 800 dollars	7 50 per foot

From $800 to $3,000 per foot, one per cent, on the amount of purchase or sale.

Anything above $3,000 per foot, three-quarters of one per cent. on the amount of purchase or sale.

J. B. E. CAVALLIER, President

BENICIA CEMENT COMPANY.

REPORT BY PROF. LANZWEERT.

To the President and Trustees of the Benicia Cement Company.

GENTLEMEN :—In compliance with your request to visit the Cement Quarries of Solano County, situated near Benicia, to make an analysis of the Cement Stone and products of the Benicia Cement Company's works, I beg leave to submit for your consideration the following report :

In a memoir published by Q A. Gillmore, A. M., under the authority of the Engineer Bureau of the War Department, it is stated that "no deposits of hydraulic or cement stone are found on the Pacific Coast, although inquiries to a considerable extent have been made. The Rosendale cements are depended upon for hydraulic mortar." This must certainly account for the shipment from time to time to this coast of cement of the Eastern States, although the Benicia Cement Company has manufactured for several years past a hydraulic cement, which has not only been used extensively on this coast in various constructions, and sustains its reputation in comparison with that imported from the Eastern States, but is growing daily more and more in favor with our builders. As no analysis of the Benicia cement stone has ever been made or published before, to my knowledge, there is very little doubt in my mind that when the composition of the Benicia cement stone shall be known, that the importation of Eastern cement will cease altogether, as not only the Benicia cement stone is superior to any quality from the East, not liable to be kept on hand for several months, neither having to be exposed to a damp atmosphere during a long sea voyage, absorbing moisture and carbonic acid gas and is thereby rapidly deteriorated, but also the late increase and improvements made at the company's works, able now to supply fully the wants of the trade. Several quarries of hydraulic cement stones are found in the vicinity of the Benicia Cement Company's works; no regular veins of this stone have yet been traced and it is impossible to estimate satisfactory the extent and capacities of their quarries, as I am not aware that our State Geologist, Professor Whitney, has ever made an examination of them with that end in view. However, the deposit of cement stone is very large and seems to be in two principal layers, one of which furnishes a very *quick* and the other a more *slow* setting cement.

In mixing these two qualities of stones together, in nearly equal proportions, according to my experiments, a better cement is obtained than of either of the layers used alone.

Besides the different quarries from which the stone is at present derived, there are several outlying cement strata or perhaps other out crops of the same strata nearly intermixed with layers of *pure limestone*, which previously were added to the cement stone. These stones being less expensive than the former, possessing very little hydraulic properties, should very judiciously have been excluded, as they are a hindrance to the quality of the cement. In these quarries, the stones only occupying a central position can be relied upon for *hydraulic cement*, the layers above being as a general thing, too highly charged with carbonate of lime, while those below contain too much clay or sand.

Cement Stones.

The Benicia cement stone has a fine grained texture, yielding readily to a file or sharp pointed instrument, generally of a light yellow, bluish gray, sometimes of a dark drab color, of a conchoidal fracture and effervescing freely on the application of acids. These stones are easily recognized and distinguished from lime or sand stones, the latter having generally a coarser grained texture or crystalline appearance and crumbling easy between the fingers. The skill and experience of the workmen should be trained, too, so as to detect and throw out those portions of stones which are injurious to the quality of the cement.

In order to secure a degree of uniformity in the quality of the cement as much as possible, great care should be exercised in distributing the different qualities of the hydraulic stone of these quarries in the kilns. The Benicia cement stone, as used now at the Company's works from these different quarries, although assuming, at different points, a remarkable diversity in their physical appearance, according to the different analysis I made of the same, their chemical composition is very near identical. These stones, after proper calcination, are easy to grind, give a *quick* and *energetic* cement, which hardens readily under water. When the calcination is arrested at the point of the complete expulsion from the stones of the carbonic acid gas, and even when suitably *under-burnt* they possess a moderate degree of hydraulic activity.

Analysis.

The Benicia cement stone, according to my analysis, may be denominated an *argillo calcareous stone*, differing by its composition from the Eastern cement stone, which are commonly an *argillo magnesian limestone*, as you will perceive by the following table of analysis that the former does not contain any *carbonate of magnesia* :—

ANALYSIS OF BENICIA CEMENT STONE (RAW).

	Sample A.	B.	C.
Specific gravity	2.685	2 701	2.685
Water (red heat)	4.95	3 30	3.80
Carbonate of lime	78 39	76 95	75.39
Alumina	7.75	6.15	6.00
Protoxide of iron	1.13	1.45	1.50
Peroxide of iron	3.00	3.55	2.28
Silicic acid	8.40	9 85	11.10
Oxyd of manganese	Traces.	Traces.	Traces.

In comparison of the above table of analysis of samples A, B, C, of Benicia cement stone, as a matter of interest I submit here the following analysis of some Rosendale cement, made by Professor E. C. Boynton, Oxford University, Mississippi :—

	No. 1.	No. 2.	No. 3.
Specific gravity	2.844	2.822	2.786
Water at 212°	.20	.80	.22
Carbonate of lime	43.30	30.72	46 00
Carbonate of magnesia	26 04	35.10	17.76
Alumina	2.18	7.52	2.34
Peroxide of iron	1 86	2.38	1.26
Silicia, etc	18.52	19 64	27.74

Without entering, for the present, any remarks in comparison with the above compositions, the following table shows you the mean composition of the Benicia cement stone when burned, having parted with its water and carbonic acid gas, corresponding to the following percentage composition :—

Lime	68.53	per cent.
Alumina	9 29	"
Oxyds of iron	6.08	"
Silicic acid	17.00	"
	100.00	

Thus, according to the above table, the Benicia cement may be properly denominated "*Roman cement*," as it possesses the same chemical composition as the well known cement so extensively used in Europe, under the name of *Boulogne*, or *Portland* cement.—Either natural or artificial, as the following table of analysis will convince, the Benicia cement stone has nothing to fear from comparison :—

	ANALYSIS	
	Of the natural Boulogne stone.	Of the manufactured Portland.
Lime	65.13	68.11
Magnesia	.58	—
Alumina and oxides of iron	13.87	10.30
Silicic acid	20.42	20.67
Sulphate of lime	Traces	
	100.00	100.08

Selection of Cement Stones.

As already stated in the beginning of this report, whereas the Benicia cement stones occur in distinct and easily recognized layers, which retain, with little variation, a well known and specific character, whether good, bad, or doubtful, and which can readily be separated from each other. The practical difficulties to select the same are comparatively few, and require simply for their removal the employment of reliable and faithful workmen, who will exercise the precaution in rejecting those stones which are unfit to be mixed with the real cement stones.

Burning, or Calcination.

To know the intensity and duration of the *heat* for the burning of the Benicia cement stone, a number of experiments were made, so as to regulate the necessary heat and obtain results that should be uniform, or at least approximating thereto, so as to manufacture an uniform cement. The different qualities of stones were calcined, or burned, and by the different degrees of calcination the following results were obtained :—

Sample No. 1—*Underburnt.* These stones contain in the center a small *core* of partially *raw stone*, retaining nearly their primitive color, are easily recognized by their hardness and density. When reduced to powder, they set very slowly under water.

Sample No. 2—*Complete calcination.* These stones are generally lighter than the above, of a darker color, presenting, on cooling, a net of cracks, and bursting to pieces. Reduced to powder, sets readily under water, and becomes very hard.

Sample No. 3—*Overburnt.* The appearance of these stones seems to be glazed over, and occurs generally in masses pasted together, are easily distinguished from any of the above. Their color is of a dark brown, approaching to black, very hard to reduce in powder, and when in that state, mixed with water to a stiff paste, they set readily under water, but in a few hours become converted into a thin paste, and are unfit for hydraulic use.

A complete calcination, as sample No. 2, is necessary to obtain from the Benicia cement stone its state of maximum energy. Thus the intensity of *heat* necessary to obtain the full hydraulic quality of the Benicia cement stone is sufficient at the expulsion of the carbonic acid gas of said stone. I must observe that the proper calcination of the cement is an operation of the utmost delicacy, and one requiring, on the part of the manufacturer, a high order of intelligence, experience and skill, in order to avoid the production of an inferior quality of cement, as many causes exist to a certain extent, are more or less under the control of the burner, such as variations in the force of the draught through the kiln, due to changes either in the direction and force of the wind, or in the barometric state of the atmosphere; neglecting to draw the burnt stone with the requisite care; taking perhaps equal quantities at stated times, which may be either too much or not enough; depending on circumstances; not preserving the proper proportion between the fuel and raw stone, when adding these at the top or not adding them at the proper time and in suitable quantities; irregularities in the settling of the stone in the kiln at each drawing, which results in some portions being exposed to the heat a much longer time than others; the formation of "cinders" or vitrified pieces of stone, which adhere together or to the side of the kiln, choking the draught and retarding the expulsion of the carbonic acid gas.

Benicia Cement vs. Eastern Cement.

In order to be able to detect, recognize and compare the *hydraulic quickness* or *activity*, the *hydraulic energy* or *power* of the Benicia cement in comparison with others, a series of trials was made with two *testing wires*, differing in their size and weight, such as recommended and used by General Totten for his experiments carried on at Fort Adams, R. I. As some manufacturers grind their stone habitually finer than others, and as there is considerable difference in this particular in cement from the same mill, manufactured at different times, it was important that this cause of variation should be eliminated in all the trials. To this end all the samples subjected to trials were passed through a fine wire sieve of 6,400 meshes to the superficial inch (No. 80). It would be superfluous to transcribe here the many results of these different trials; suffice it to say, that nearly in all them the Benicia cement did give the best results, and, to corroborate furthermore these tests, each sample was compared with the same cement when mixed with one to twice its volume of sand.

Table

Giving the time of different qualities of cement, in setting in the air and under water, able to support respectively the two testing wires—one 1-12 inch wire weighing one-fourth of a pound and the 1-24 inch wire weighing one pound :—

SAMPLE	COMPOSITIONS.	TIME SETTING IN THE AIR.		TIME SETTING UNDER WATER.	
A	Benicia Cement	.3	.5	.8	.10
B	Do do.	.10	.12	.12	.15
&c.	Do. do.	.25	.30	.20	.50
D	Mixture of above samples	.50	.60	1h.20	1h.25
	Roman Cement	.30	.40	.45	.60
	Eastern Cement	.60	1h.20	1h.50	2h.10
	Benicia Cement D, 1 vol.) Sand, 1 vol.)	1h.20	1h.50	2h.40	3h.10
	Benicia Cement D, 1 vol.) Sand, 2 vol.)	1h.50	3h.10	4h.10	5h.25

From three samples of Eastern cement received, two were entirely unfit and the third, when mixed in paste and immersed under water, became entirely covered by a net work of cracks, and in a few minutes lost all of its hardness, several causes may be attributed to that effect, namely, having lost its energy by a too long exposure or being a spurious article shipped from the East. I did not see the necessity to analyse the sample, the comparative test not warranting it. To determine the tenacity, the relative hardness, the adhesive properties of the Benicia cement, several samples were prepared so as to submit them to efficient tests, and as none of these qualities can properly be ascertained than after an exposure of the cement in the air or under water at least a hundred days or upwards, time was no allowance, so that no precise data of the same could be given yet, in comparison with other known cements.

Hydraulic Activity.

The Benicia cement through its *quick setting* when adapted to submarine constructions or foundations subjected to immediate immersions is unsurpassed by any material of the kind hitherto employed for such purposes in this or any other country, and its use therefore, has been partially objected too, where a very quick induration is not so specially important, and in the trouble in making large quantities of mortar, the objection of the above can be easily remedied by allowing these mortars to remain mixed for some time before tampering them just previous to use, a precaution which rests upon a plausible, and doubtless, a sound theory. This *quick setting* may be due in not observing the necessary proportion of water in making mortar, as it is also found in practice, that cements vary very considerably in their capacity for water, and that fresh ground cements require more than those that have become stale. An excess of water is, however, better than a deficiency, particularly where Benicia cement is used, as the capacity of this substance for solidifying water is great. A too rapid desiccation of the cement might involve a loss of cohesive and adhesive strength, if insufficient water is used.

Conclusions and Suggestions.

The arrangements under way at the company's works for the manufacture of *drain pipes*, recently quite extensively applied to drainage and sewerage purposes, shows another of the many uses to which the Benicia cement can be employed, being the best material for that purpose. An abundance of material exists in the neighborhood of the company's works which could be available at a trifle expense; these materials may be used together with a suitable proportion of cement, forming then what is known under the name of *Concrete* or *Beton*, and is applied in that state for foundations in damp and yielding soils and for subterranean and submarine masonry under almost every combination of circumstances likely to occur in practice and is considered superior to brick work in strength, durability and economy, even in some exceptional cases, is considered a reliable substitute for the best stone, while it is almost always preferable to the poorer varieties. Within the last ten years, the practice of building concrete houses with hollow walls, has received considerable attention both in the United States and in Europe. In Sweden and Northern Germany it is quite common. The facility with which the fire, smoke and ventilating flues can be arranged in the wall, by using movable tubes, during the progress of construction, the partial immunity from risks from fire, the security against the ravages of rats and other vermin, and the equality of inside temperature through sudden changes of weather, secured by this method of construction, judiciously followed, specially recommend it to the attention of architects and builders of this coast. As yet no definite compound has been discovered for the perservation of wood used for our *wharf-piles* from its destruction by worms, although silicatization has lately been revived here, which for that purpose has been abandoned in Europe; a few comparative experiments at the company's works, possessing all the advantages, should be made for the manufacture of *concrete piles*, the substitution of wood by concrete piles will prove another feature of the use of the Benicia cement, and thus avoid all these disasters so lately occurred of the falling of the wharf due by these terrible worms in destroying the wooden piles.

In conclusion with the facts and statements of this report :

1. I find that large deposits of real hydraulic cement exist on the Pacific Coast.

2. That California is no more depending upon the Rosendale cement for hydraulic mortar.

3. The Benicia cement by its chemical composition proves a "Roman Cement."

4. That the cement now manufactured by the Benicia Cement Company is not only guaranteed against any imported known brand or manufactured here, but is superior in quality, as it is fresher and uninjured by sea voyage or long storage.

5. That the Benicia Cement Company is able now to supply fully the wants of this coast with a better and cheaper article than can be imported and as a new home industry the Benicia Cement Company by its product, proves again that, for manufacturers, the *California Cement* can compete with any kind, either domestic or foreign. Respectfully submitted by

Your obedient Servant.

L. LANSZWEERT.

San Francisco, December, 1864.

IN the Norwegian mines a singular and striking custom is observed in paying the weekly wages of men there employed. They all present themselves on the Saturday evening to the inspector, who hears from each man the number of hours he has worked on the successive days of the week past, compares the total given with his own notes on the subject, and having settled the account, calls the miner, bids him turn around, and writes in white chalk on his black back the amount due him. Thus mysteriously numbered, the man has to go to the cashier, who also turns him around to look at the figures, and pays him without his having a word to say. The method is an expeditious one—two or three strokes of chalk settle the matter; it is prudent, for the miner has no chance to alter a figure in his own favor, and economical, for a brush removes all trace of the inscription, and the same black jacket is ready for the next Saturday.

GOLD IN VERMONT.—The Irasburg *Standard* says: We were last week shown specimens of gold taken the week previous in Troy, by Mr. Albert Hobsden, of that town, who dug about twelve dollars in three days; the gold is quite fine. He has bonded some seven hundred acres of land, and is making extensive preparations to mine it next summer.

CORNISH MINING.—There are upwards of three hundred mines at present at work in Cornwall, employing, directly and indirectly, upwards of 100,000 persons. In them at least £20,000,000 of capital is embarked, so that the magnitude of the interests at stake, and the importance of the prices of metals permitting them to be worked at a profit, will be readily appreciated.

Communications.

In this Department we invite the free discussion of all practical subjects—correspondents will please confine themselves to the facts and theories of any advance.

Written for the Mining and Scientific Press.

The Sierra Nevada Mine, Comstock Ledge.

Eds. Mining and Scientific Press:—What is the matter with this mine? With the evidences of richness heretofore found in this mine, why have they not succeeded in finding paying ore in quantities? From a brief paragraph in a late number of the Virginia City *Enterprise*, stating that the ledge is found to run more to the east than was supposed (it heretofore having been thought to run north through Cedar Hill), it would seem that, at length, after two and a-half years' useless delay, the truth is beginning to dawn upon the owners of that mine. But, as this discovery is only an intimation of the facts which need to be known, I therefore propose to lay before your readers, and the stockholders, a few facts, which must stand in the light of prophecy until further exploration shall prove or disprove them.

From the Ophir, northerly, this ledge instead of running—as has generally been supposed and contended for—north, somewhat westerly through Cedar Hill, runs northeasterly, inclining still to the east, in a crescent form, until it at length terminates, as I think, in or in the vicinity of the Lady Bryan mine, in Flowery district. It is also a peculiarity of this ledge (indeed of all true metal bearing veins), that every 1,500 to 2,000 feet, or thereabouts, from the strongest point of upthrow, the ledge will again crop out, which outcrop may perchance be concealed from view by the debris from the higher land adjoining, as in the south chimney of this mine, on which all their work has hitherto been done; whereas their north chimney, lying so far to the east of its supposed location, although plainly cropping some feet high upon the surface, has hitherto, and for aught this writer knows, may still be unnoticed and unworked. It is plainly to be seen about two hundred feet westerly of the stone foundation of the partially-erected mill in the ravine to the east and south of the company's works.

The Sierra Nevada Company have two mines on their claim, each probably, with a little exaggeration, as valuable as the Ophir in its palmiest days; but as they failed to read what is plainly written on the rocks in their branch tunnel from the Cedar Hill tunnel, they have spent two and a half years, and at least $150,000 in vain; whereas thirty days' time and probably $2,000 cash would doubtless reveal to them Ophir ore in quantities. It is not depth which will find it—that only adds to their difficulties at present. The truth is about this: the east side of the ledge dips slightly, but persistently, west, but the west side dips east, thus narrowing as it goes for a while. Hence, for a distance, the deeper a perpendicular shaft is sunk the greater the distance a tunnel must be run from the bottom. Again: if the course of the ledge is northeast, as I contend, then the tunnel must be run due southeast. Again: in this true silver mine, the silver ore, in paying quantities, lays in chimneys, and does not follow the ledge, as the gold usually does in gold quartz mining. At all parts of a true gold ledge the gold, in greater or lesser quantities, will be found disseminated through the entire body of quartz rock.

To further elucidate, the Central adjoins the Ophir on the south, and has always been essentially barren of silver ore in quantities. Beyond the Mexican, north, the Ophir yielded rich ore for about fifty feet in surface length, and north of that perpendicular line essentially no ore has been found. The same feature is found in relation to the Gould & Curry and Savage mines, which together occupy the next chimney south, and also the Potosi, which has an entire chimney to itself. The space between these respective chimneys is unproductive to the present depth of exploration, but at a greater depth the ore will doubtless be found continuous. Hence, if the pay ore is in a particular and exact locality in this mine, and a long tunnel is to be run from the bottom of their deep shaft, and it is run due east instead of southeast, they would be almost sure to miss the pay portion, although they might find the ledge, and then exploration must be recommenced by running a tunnel lengthwise the ledge, with cross drifts occasionally, hoping at length to find it.

This random rambling mining is precarious, expensive and discouraging, as that company, above all others in Washoe, well know to their cost. Hence a drift run southeast from the proper point on the ledge, in the Cedar Hill branch tunnel, is all but certain to find rich pay ore in quantities in a very limited time, and thus would be added two more productive mines to the already increasing list of Washoe. If my observations are correct, that the ledge outcrops repeatedly every 2,000 feet or so, then between the north chimney of the Sierra Nevada and the Lady Bryan this ledge should be again and repeatedly found. On examination, the croppings plainly show that it is to be found in two localities, both of which are still unworked and unlocated. O. W. Easton.

San Francisco, Dec. 17, 1864.

Written for the Mining and Scientific Press.

The Force Required to Freeze a Ton of Water.

Editors Mining and Scientific Press:—It is stated that by means of the ice-making machine lately invented in England, a ton of ice can be produced at a cost of 4s. I have endeavored to calculate the amount of force which it would be necessary to expend, in order to freeze a ton of water. I have made no allowance for friction or other unavoidable losses, yet the result, viewed in the light of the foregoing statement, is rather startling. Taking Joule's equivalent (772 feet lbs.) as the mechanical representative of 1 degree of heat in 1 pound of water, it would require to reduce a ton of water at 62° to 32° a force of 772x2000x 30=46,320,000 feet pounds. Now it takes 142.-65° of heat to convert a pound of ice at 32° into water of the same sensible temperature, from which it follows that to convert a pound of water at 32° into ice would require the abstraction of the same amount of heat, whence 142.65x2000=285,300° must be taken from a ton of water to produce the same effect. This, according to Joule's equivalent, is equal to 772x285,300=220,251,600 feet pounds, which, added to 46,320,000 feet pounds, makes a total of 266,571,600 feet pounds required to make a ton of ice from a ton of water at 62°. This is equal to 10 horse-power during 13.46 hours! Can this be done in England for 4s., or is Joule's equivalent erroneous? C. A.

A Frenchman has invented a process whereby from a photograph a clay model may be mechanically and accurately cut, from which a plaster cast is produced, which is a life-like resemblance of the sitter. The photograph is taken in a circular room, every part of the person being photographed at the same instant. A statuette, or half-sized bust, is produced, at the will of the sitter. The name given to the new art is photosculpture. A London house has attempted the thing, but as compared to the French, the works produced are poor and clumsy. The expense of the first cast is fifty dollars, each duplicate being five dollars.

More Camels Coming.—J. W. Fabens, of New Jersey, seems determined to establish a camel express and freight line, across the plains, between this State and the Missouri river. A number of the animals have already arrived in New York from the Desert of Sahara. They were shipped at Algiers for Marseillaise, traveled through France on foot and by railroad to Havre, and were there shipped for New York, but owing to the breakdown of the steamship on which they were embarked, put back to Cork, and were then transported to London, whence they were taken to Southampton, and finally shipped to New York. The *Herald* says: "It is Mr. Fabens' intention to import next season a large number of these valuable animals, for use on the plains, and particularly to establish an armed caravan line between the Missouri river and our western gold-bearing Territories. They will undoubtedly do good service in aiding the settlement of that region, besides adding a new and picturesque feature to the magnificent landscapes of the far West." Mr. Fabens' venture gives promise of being somewhat more romantic than profitable.

MORE ABOUT WATER MEASUREMENT.

Editors Mining and Scientific Press:—In reply to Mr. Deetken's communication, entitled Practice vs. Theory, which appears in the Scientific Press of December 17th, you will do me the favor of republishing the following extract from an article that appeared on page 203 of the Mining and Scientific Press of date September 24th, 1864. Not that I ask it as a merely personal favor, but from the fact that, as it has evidently escaped the notice of Mr. Deetken, it has probably escaped the notice of many others, and its importance is a sufficient reason for a re-publication. But I hope "our next Legislature" will not bother themselves about it, especially as it is now settled (so far as calculating power of machinery is concerned), by having been adopted by the principal machine-shops of this city, and has now become the custom, to consider an inch of water (miners' measure,) equal to $23\frac{1}{4}$ cubic ft. per minute, or 145 lbs per minute. By this Mr. Deetken will at once see that I made no mistake in my first communication; and it gives me pleasure to admit that Mr. Deetken is also correct in his statement as regards the amount of water the miner is most likely to get when buying it under ordinary circumstances. The following is the paragraph above alluded too:—

At a meeting of persons interested in mining and mining machinery, held at the Mechanics' Fair Pavilion, on Wednesday, September 21st, 1864, a discussion arose as to the necessity of having some standard as to what should constitute a miners' inch of water. It was finally agreed (without regard to what ditch companies may sell as an inch of water) that in calculations for the construction of machinery, a miners' inch of water shall equal the amount of water that will pass through an opening one inch square, under a pressure of six inches, measured from the center of the orifice: or a body of water 336 feet long and one inch square, the amount which will pass through said orifice in a minute; or 145 86-100 lbs of water passing a given point in a minute; or 17 4054-10000 U. S. standard gallons of water passing a given point in a minute; or 2 333-1000 cubic feet of water passing a given point in a minute.

Mr. Deetken's greatest mistake is in supposing me to be a novice in buying water for mining purposes; perhaps I am, but as I began to take lessons in "the buying of water" from ditch companies in the spring of 1853, and followed it up pretty steadily until the spring of 1862, (the bills running as high as 300 inches per day,) I do not think I will require any more lessons yet awhile, especially, as I know that the amount of water, will as frequently fall below Mr. Deetken's calculations as go above it. The present question, however, is not between ditch companies and their customers, but merely as to what amount of water is meant, by a very ambiguous term that has come into general use, in speaking of water power, in much the same way as did the term horse-power, in speaking of steam engines. Now a horse may not be able to raise a weight of 33,000 lbs one foot high in one minute, but in machinery, that is a horse-power, so in water-power. A ditch company may give its customers more or less than 2 2-3 cubic feet, or 145 lbs per minute, just as the parties can agree on that point, but that is the amount now understood by machinists to be an inch of water, without regard to its manner of measurement; and whether right or wrong, it is now beyond the power of any one to change the meaning attached to either term, and it is just as well to accept both as correct. The quantity of water, that will discharge under a given pressure (say 6 inches) through a certain orifice, depends greatly on the following circumstances, viz:

1st. The relative size of orifice—a large orifice discharging more water in proportion to its size than a small orifice, other circumstances being the same.

2d. The velocity and direction of the current before reaching the orifice.

3d. The nature of the bottom and sides of the box, flume or ditch near the orifice, and whether or not the discharge is perfectly clear of back water.

4th. The position of the orifice, whether in the side or bottom of the box.

As, under certain circumstances where water is used to drive machinery, it would be very desirable to ascertain the exact amount used, without resorting to very scientific theories or complicated experiments, I will suggest a simple way of measuring, that will be sufficiently accurate for all practical purposes, as follows:

Make a box like a section of a common flume, closed at both ends, let it be two feet wide and fourteen inches deep, and divide it into compartments each twelve inches in the clear. Now each one of these compartments, will hold, when full of water, and as many of them as the stream used will fill in one minute, will be the number of inches of water (miners' measure) in the stream, as understood by machinists.

For illustration, suppose a mill man, should contract with Messrs. Hansbrow & Redding, Fredenburr or Fauchery, or with another party (whom I will not name, as it might look like fishing for a gratuitous advertisement,) for one of their Hydrostatic Engines or Water Wheels, and the said Engines or Wheel should be guaranteed to perform a certain amount of work, with a given quantity of water (miners' measure). In such a case it might be very necessary to all parties that there should be a definite, well understood standard of measure, not subject to accidental variation or the private rule of any ditch company or neighborhood custom.

A singular fact—who can explain it?

But, friend Deetken, there is one peculiarity about measuring water to miners, that I would really like to have explained, and the heading of your article reminds me of it, for it is certainly a case of "Practice vs. Theory." Now it is a well understood fact, (by the patrons of "some" ditches, I cannot say whether of all or not) that, when one or two companies of miners stop working or buying water for a few days, all the other patrons of the ditch, have to buy more inches of water to do their work, than they did when all were using water from the ditch. Now theory would appear to say that when nine claims were using water that had been divided between ten, the measure would be more in accordance with scripture, that is, full and running over, especially when the order and charges were for the same number of inches as when all were at work, since the ditch company would have an extra head of water, with which to show their love of christian measure. But what miner, I would like to know, ever saw the penstock of his hydraulic overflow the day after one of his neighbor miners had quit buying water, or any other day after until he had increased his order for more inches; although his first order was sufficient to keep his penstock full and overflowing? Who can solve the riddle? Perhaps, the man who writes the commercial anecdotes. And does friend Deetken think I would be benefited by more practical experience in buying water from ditch companies. I should be pleased to make the acquaintance of Mr. Deetken, for it is really pleasant to meet a man who thoroughly understands what he attempts to talk about, and I am convinced from seeing several articles from his pen, that Mr. Deetken does understand his subject, though misunderstanding my meaning in my "growl" at the report of the committee.

T. McA.

Tempering Castings of Steel and Homogenous Metal without Mechanical Compression.—Mr. Joseph Whitworth, of Manchester (England), proposes to dispense with the ordinary mechanical compression of steel and homogenous metal by the action of steam-hammers, or apparatus of that class, and to give the metal the requisite closeness and strength by casting it in a form approximating to that in which it is intended to be used, and by immersing it without any previous forging in a bath of suitable liquid, such as oil or water, and giving it afterward where requisite, the temper necessary to enable it to be worked. The metal being made by this process so much harder and stronger, it will be desirable in some cases to rough-turn, bore, or shape the casting preparatory to the hardening and tempering of the metal.

Mining and Scientific Press.

W. B. EWER,.....SENIOR EDITOR.

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Payment in Advance.—This paper will not be sent to subscribers beyond the term paid for. The publishers well know that a good journal cannot be sustained on the credit system.

San Francisco:
Saturday Morning, Dec. 24, 1864.

A MINING CODE FOR ARIZONA.

We are indebted to the Hon. George W. Leihy, a member of the Arizona Council, for a copy of the very excellent mining code recently enacted into a law by the Territorial Legislature of Arizona. As a whole, the law appears to be carefully drawn, comprehensive and liberal. It decrees that all mining ground shall be taken up in square claims, but generally allows an extent of 600 feet to each claim. This mode of location may have many objections, but it certainly will possess the important merit of doing much to keep down the luxurious crop of litigation which the mode of location usually adopted in this State and Nevada has engendered. With an eye to the general interests of the public, it requires discoverers to locate one claim next adjoining the discovery claim for the benefit of the Territory, and with true Anglo-Saxon spirit it provides for the sale of said claim, at a proper time, for the benefit of the Common School Fund. The law gives ample time for stipulated work to be done on all claims, and where the required labor is performed, it provides a cheap and simple mode to obtain a perpetual title. It also provides for a division or segregation of interest where persons owning in common cannot agree to work together, all of which steps can be readily taken by any intelligent citizen. This section is of very great importance, and the need of something of the kind in this State and Nevada is severely felt. As a whole, the law appears to be liberal, clear and simple, and being made uniform throughout the Territory, is, in that respect, far preferable to the multifarious and generally ill-digested local laws which have hitherto prevailed in California and Nevada.

We would suggest that the Nevada Legislature, now assembled, should take up this matter and co-operate in the enactment of some similar general mining law for that new State. It should, of course, be so drawn that, while it might hold out liberal inducements for newcomers, it should at the same time carefully guard the interests of actual occupants and non-residents. Such an act, for both Nevada and California, we believe, would put our mining interests in a much stronger position than they now occupy in the confidence of capitalists, both at home and abroad. We give the law entire, on account of its importance as a matter for general reference.

Extra Number in Volume IX.

In order to commence Volume X of the MINING AND SCIENTIFIC PRESS in the first month of the year (instead of on December 31st), we shall issue a half sheet next week, adding it to Volume IX, thereby rendering our readers an extra No. (27), for which no charge will be made in our subscription accounts. This will also allow our compositors some recreation during the holidays.

HOME FINANCES.

There is very little if any change to note in the condition of the money market. The requirement for steamer day was rather light and those in want were readily accomodated in Bank at former rates, 1½@2 per cent. per month. Trade is dull and a trifling business has been done during the week. Remittances from the country are still backward, but we can learn of no embarrassment in mercantile circles. We are of the opinion that the past year has been one of measnreably prospcrity to most merchants and that fewer losses have been sustained, in credit to the interior as is generally supposed. The new year will open auspiciously for many interests throughout this and the adjoining states and territories, and we may look forward to great activity in every department of business the ensuing spring. Capital is likely to be abundant, and rates of interest will probably be lower than they ever have been heretofore, so that their will be no lack of means wherewith to stimulate the productive industry of the people.

Receipts of bullion from the interior this week amounted to some $900,000. Gold bars have been heavy and dull at about 800@810. The demand for shipment yesterday was moderate. Silver remains at about ½@1¼ per cent. premium for a high grade of bars, and from 1 to 2 per cent. discount for ordinary parcels.

Currency bills on the Atlantic were sold on steamer-day at 110@115 per cent. premium on gold. Telegraphic transfers were current at 3½ ₱ cent. and sight drafts, payable in coin at 1¾@2 ₱ cent. premium. Sterling was dealt in at 48½@49d for bankers, and at 49½d for Commercial Bills.

Mexican dollars have been selling the past few days at 110@111 and were taken for Oriental Markets.

Legal Tender Notes were sold at 48 cents during the week, but are now worth 46@47c. Our latest telegraphic advices from the East quote gold at about 225 on the 22d inst.

THE WASHOE SMELTING COMPANY.

This company was incorporated in the State of Nevada on the 10th instant, with a capital of $100,000. The works and mines of the company are located on Brown's Creek, in a cañon a short distance west of Pleasant Valley. They have two veins, from two to four feet in width, from which they can take almost any quantity of ore, there being but little except highly metalliferous ore in the veins.

This company, according to the Territorial *Enterprise*, have just got their furnace into operation. The furnace is built on the same plan as those of the lead mines at Galena, Illinois, and promises to prove decidedly successful. The first trial gave a bar of 70 lbs weight, taken from 250 lbs of ore. The bar contained a little over $10 in silver. The ore shows a much larger per cent. of precious metals, but it is supposed that the greater part of these remain in the slag, not being melted by the wood fire to which the lead yields. It is the intention of the company to melt their slags in a blast furnace, by which means they expect to obtain a good yield of silver. Their furnace is capable of taking in a charge of sixteen hundred pounds of ore. The gentlemen in charge of the furnace says that he will be able, when in regular operation, to turn out forty bars per day, of the same weight as that above mentioned. The company say they will be satisfied with thirty, which number they feel confident of being able to produce per day. As the silver alone in that number of bars would be worth, at a rough guess, about $300, we see no reason why thirty bars per day should not be perfectly satisfactory to the stockholders. About two and a half cords of wood are consumed per day. The fuel now used is slabs and waste stuff from a saw-mill in the vicinity. It costs the company $2.50 per cord.

AFTER the recent raid on St. Alban's, Vermont, an old gentleman got a rifle shot at the party, as they were leaving the place, and brought down a hat containing eleven hundred dollars.

THE RAIN FALL.

The total amount of rain which has fallen in this city the present season, to date, is within a fraction of 18 inches. The total amount which fell here last Winter was 10.08 inches.

The amount of rain which has fallen in Sacramento the present season, according to Dr. Logan, is 12.839 inches.

The fall in Nevada, according to the *Transcript* of that city, has reached 27 inches.

In Sonora, according to an accurate record kept by Dr. Snell, 29.950, or within a fraction of 30 inches, has fallen—the largest fall recorded in the State. According to the Sonora *Democrat*, more rain fell there in the three weeks prior to December 17th than during the entire of last season. We are without any full record from any other locality.

According to the Los Angeles *News*, some 4⅛ inches fell on the 27th, 28th and 29th of November alone—a quarter of an inch more than fell during the entire of last season. Considerable rain has fallen there, of which we have no accurate record.

At Jacksonville, Oregon, the floods have been greater than ever before known, exceeding that of 1861 and '62. Bridges built fifteen feet higher than the flood of that season were washed away.

A great abundance of rain is one of the prime necessities for California's prosperity. This condition, thus far, the present season, has been most abundantly fulfilled. The average fall of rain in the Sacramento valley and in this city has been about 25 inches for the last fourteen years. Double that quantity usually falls in the mountains along the western slope of the Sierra. The greatest annual fall of rain ever noticed, we believe, was at Mahableshwar, on the St. Ghauts, Asia, in latitude 18°. The amount which falls here is 392 inches per annum. The amount which falls at Cambridge, Mass, in the same time, is 38 inches; in Philadelphia, 45 inches; in St. Louis, 32 inches; in the British Islands, 32 inches, and in Eastern France, 22 inches. The atmosphere in some of these countries is so humid that a much less quantity of rain is demanded for the luxurious growth of vegetation. In the flood winter of 1861–62 there fell at Grass Valley, in this State, about 72 inches of water.

EASTERN FINANCES.

We are in receipt of Eastern advices, per mail, to November 23d. During the week prior to that date the violent fluctuations in the price of gold—declining from 245 to 210 and rallying to 225—had not only checked business very seriously, but assisted materially in arresting the upward tendency in prices. Cotton had declined from $1.43 ₱ lb to $1.30, owing to the fall in gold as well as to rumors that the Government was soon to allow certain parties to enter the rebel lines and become purchasers of this staple in exchange for greenbacks, merchandize, etc. All kinds of rumors are current respecting peace, Cabinet changes, military affairs, etc.; and in view of the Government and military operations, together with the rapid fluctuations in all specie values, it was exceedingly difficult to transact business with any degree of success, or to give a satisfactory review of the market. A large portion of the business community seem to ignore all the laws of trade, and operate according to the dictates of their own individual judgment and without regard to the course or policy of others. Gamblers in gold, stocks, merchandize, etc., were taking new courage from the hesitancy which had marked the conduct of the Secretary of the Treasury. Instead of coming into the market promptly for loans, and taking advantage of the easy condition of the market, and the confidence felt by all classes in the result of the Presidential contest, the New York *Tribune* remarks that the "Department still drifts upon the old and dangerous track of manufactured money." The people of the East now demand more taxes and loans, and the stoppage of the use of so much currency. The policy of the Secretary of the Treasury, it is said, serves to stimulate the disloyal crowd in Wall street to declare that the Government in the future, as in the past, has no remedy but to support itself upon a sea of paper which is to end with an explosion similar to that of Memminger's. Government securities had all been higher, and were firmly held at the advance. The following are the closing quotations:

U. S. 5-20 year 6's (ex. interest)	104 @104½
7-30 Treasury Notes	115 @116
Twelve-month Certificates	96½@ 97
Coupon 6's of 1881	110 @110¼
Registered 6's of 1881	109 @110
5's of 1871 and 1874	100 @101

POTOSI VS BAJAZET.—The litigation in this important case still continues. After the decision rendered by Judge Mesick, as Referee, a motion was made by the Potosi company to set aside that decision, and grant an injunction. This proceeding commenced with the introduction of a witness for the purpose of curing the defect in the deed to the Potosi company, on which Judge Mesick's decision was founded. One witness was introduced that the grantors in part executed before, part at the time of, and part after the date of the act of incorporation. The argument was commenced on Monday of last week and continued until Saturday, when it was suddenly terminated by a withdrawal of the suit. The jury trial is set for the 26th instant when the case will be heard on its merits.

Annual Report of the Gould & Curry Company

The stockholders of the Gould & Curry Gold and Silver Mining Company held their annual meeting on Monday last, at their office, in this city. Reports were submitted by Asa T. Lawton, President, J. M. Shotwell, Secretary of the Company, and Charles Bonner, Superintendent of the mine and mill.

PRESIDENT'S REPORT.

The following are extracts from the report of A. T. Lawton, the President:

After a thorough trial it was found that the Veatch process, first introduced, did not save the metal in the ores satisfactory. All this has been taken out, and the whole works converted into wet crushing, with eighty stamps for crushing and forty Hepburn pans for amalgamating. * * * The mill is complete, and is now reducing from ninety to one hundred tons of ore daily, at a cost not exceeding $12 per ton. * * * At present rates paid in Nevada for reducing ores, the Company must save some $30,000 monthly by owning this mill instead of employing outside mills to do the same work. * * * From December 5, 1863, to June 5, 1864, monthly dividends were declared of $31.25 per share [$125 per foot]. Some time in the month of June the mine was found to look less flattering than formerly, and acting with the advice of the Superintendent, the Trustees decided to reduce the dividend to $12.50 [$50 per foot], and to limit the reduction of ores sufficient to pay such regular dividend, complete the Company's works, carry out a thorough system of exploration of the mine, and pay the current expenses of the Company. This dividend was regularly paid for the following five months. In November, finding the expenses in almost every department were being materially reduced, and the surplus funds of the Company increasing, the Trustees thought it advisable and prudent to increase the dividend to $18.75 per share [$75 per foot]. This was not done, however, until the Superintendent not only recommended it, but also thought the same dividend could be continued.

The gross product of bullion for the past year has been as follows:

From the Gould & Curry mill	$1,786,374 87
From outside mills	3,097,121 93
From shipment of ores	14,563 71
Total	$4,898,060 51

Details of ores extracted from mine and reduced from December 1, 1863, to December 1, 1864:

	Tons.
Ores on hand Dec. 1, 1863	2,827
Ore produced during the year	64,433
Ores reduced at Gould & Curry mill	2,602¼
Ores reduced at custom mills	58,856¾
Ores shipped to England (first-class)	101¾
Cost of extracting ore from mine, per ton	$11 90
Average yield per ton of all ores reduced (56,-459½ tons)	73 48
Average yield per ton of 3,820 tons, 2d class	172 14
Average yield per ton of 57,638 tons, 3d class	58 38
Average yield per ton of ores reduced at Gould & Curry mill	141 75
Average yield of ores reduced at custom mills	57 50
Average cost of reducing at Gould & Curry mill (nearly equal proportion of 2d and 3d class ore)	40 00
Average cost of reducing at custom mills (principally 3d class ores)	26 46
Gross product of bullion	4,833,496 80
Deduct from this for extraordinary expenses disbursements during the year, say for construction of mill	560,893 58
Litigation and adverse claims	135,747 13
Total extraordinary expenses	696,640 71
Ordinary expenses	4,291,419 80
Dividends declared from December 3, 1863, to December 3, 1864	1,440,0 0 00

Being about 34¾ per cent. of the gross receipts of the mine, after deducting the above

mentioned extraordinary items of expenditure.

The financial condition of the company at this date is as follows:

Cash assets and bills receivable	$109,318 56
Our liabilities are	59,471 82
Estimated value of property owned by the Company, exclusive of the mine, at this date—2,500 tons of ores on hand at dump pile at $40	100,000 00
5,000 tons tailings at mill at $30	150,000 00
Inventory of property of all kinds other than ores	896,640 80
Total	$1 106,640 80

In regard to the future prospects of the mine, after carefully perusing the report of the Superintendent, which plainly shows our resources, I am convinced that from $50 to $75 per foot dividend, monthly, can easily be paid for the ensuing year. Should extensive new bodies of ore be found—and certainly the indications are very good for such discoveries—then the dividend will necessarily be increased. With the present facilities which the Company have in their mill for reducing large quantities of ores at small cost, and the system of economy inaugurated in the various departments of the Company, I think it is reasonable to conclude that the stockholders hereafter will receive in dividends at least 45 per cent. of the gross product of the mine.

SECRETARY'S REPORT.

The President's report contains a summary of the Secretary's report. The following additional figures, however, are interesting:

Labor and salaries at mine	$463,461 67
Lumber and timber at mine	160,488 76
Materials, iron, hardware, candles, etc	89,601 04
Freight from California	8,809 97
Explorations conducted from other mines	21,739 72
General and incidental expenses of management	56,754 79
Total expense of mine	$770,107 13

Reducing ores:

Labor and employes	$120,568 71
Materials, quicksilver, wood, salt, sulph, copper, hauling, etc	383,083 98
Total of reduction expenses	$503,65 69
Taxes	20,109 83
Freight on bullion from Virginia	48,042 82

SUPERINTENDENT'S REPORT.

The Superintendent report the total amount of ground excavated during the year as follows:

Excavations on ore	1,026,141	cubic feet.
3,618 feet of tunnels, etc	137,683	" "
546 feet of shafts	70,405	" "
Total	1,234,229	" "

Or a cubical mass of 108 feet.

He estimates the ore within sight at 17,000 tons. He says: "To sum up the change in the mill, I may say that it has been altered and built over almost from the foundation, converting it from a dry-crushing mill, of 25 tons capacity, at a cost of $50 to $60 per ton, to a wet-crushing mill, of 100 tons capacity, at a cost of $12 per ton. During the month of November last, the first month we have had entirely free from construction expenses, and with the mill in complete running order, we were able to reduce 2,800 tons of ore, or nearly 100 tons per day, and this at a cost of under $12 per ton. This compares very well with the best work done at any mill in the country, either by steam or water, especially when we consider the care taken in the working of the ores, as shown by the results obtained, of about 70 per cent. of assay value."

The present cost of mining and reducing are stated thus:

Mining	$ 7 per ton.
Hauling	1 " "
Reduction	12 " "
Assaying, taxes, litigation, etc	5 " "
Total	$25 " "

NEW BOARD.

The reports were accepted, and the meeting proceeded to elect a new Board of Trustees. The number of shares of stock represented was 2,673. The new Board, elected almost unanimously, are: Asa T. Lawton, Alpheus Bull, Thomas Bell, H. B. Williams, Lewis Cunningham, R. B. Woodward and B. F. Sherwood. At a meeting of the new Board, Mr. Lawton was re-elected President, but declined, on account of an intention to pay a visit to the East. Thereupon Mr. Alpheus Bull was unanimously elected to fill the vacancy made by the declination of Mr. Lawton.

MINING INCORPORATION.—The Mojave Gold and Silver Mining Company filed its certificate of incorporation on Saturday last. Location: San Francisco District, Arizona. Capital stock, $1,200,000. Trustees: Wm. T. Coleman, J. B. Bayerque, O. Livermore, John Nigbtingalo and C. B. Williams.

SLIGHTLY MIXED.—Owing to the introduction of a new imposing stone in our office, last week, a general "shifting" of "forms" became necessary, and a serious transposition of matter occurred in the pages of our last issue. We therefore embrace the first opportunity to make proper acknowledgment, in justice to "Floy Favorite," before her excellent ladyship has an opportunity to indulge in a well-merited scold.

It is said that England during this year will have expended fifty millions of dollars on new iron ships, a sum greater than that which the United States has expended, in the same time.

(Conc'uded from page 402.)

ing the duties of said commission, to be taxed as costs in the cause.

49. All disputed lines, divisions and demarcations between parties claiming mineral veins, deposits, or auxiliary lands, shall be determined by the Judge of the Probate Court in a summary manner, according to the provisions of this chapter, and when he may judge it necessary, or is required by the parties litigant, he shall appoint a commission, as is provided in the 48th section of this chapter, to examine and report upon said division lines or boundaries, and the same proceedings shall be had thereon as is provided for in said section.

Probate Judge may Partition Interests of Parties—Also may Appoint Receivers for Parties Unwilling to Work Their Interests.

50. Whenever the members of a co-partnership or company, or tenants in common of mineral lands, cannot agree as to the working or management of the veins or mineral deposit therein, one or more of them may make complaint to the Judge of Probate of the county in which said lands are situated, setting forth the facts, who shall thereupon issue a summons to the other members of said co-partnership or company, or tenants in common interested therein, or cause such other notice to be given to them as he may think proper, requiring them to make answer thereto, and if, upon a hearing on such complaint, the Judge is of opinion that the claim or claims of such persons are susceptible of partition, and it can be equitably made between them, and the parties cannot agree among themselves on making such partition, he shall appoint a commission, as provided in section 48 of this chapter, who shall go upon the claims of such partnership, company, or tenants in common, if necessary, and segregate their claims, having in view the equities of the case and the customs and regulations of mines, and shall make report in writing to the Judge of Probate, who shall make his decree in accordance with said report, and which shall be conclusive between the parties, unless an appeal be taken, as provided in this chapter. Or whenever one or more of such partners or tenants in common in mineral lands, and owning not less than one-third of the full interest of such partnership or tenancy therein, shall desire to work their mine, and the other partners or tenants, after reasonable notice, shall neglect or refuse to unite in such working, they may make complaint to the Judge of Probate, as aforesaid, and he shall proceed thereon, as before provided in this section, and if, upon a hearing of such complaint, it appears to him that the complainants are able to work said mine, and that there is no good reason why the same should not be worked, he shall make a decree to that effect, and if the other partners do not appear he may appoint an agent and receiver, who shall protect their rights, and see that the mine is properly worked, and shall receive their proportion of the profits; but such partners or tenants in common so authorized to work as aforesaid, shall conduct said work at their own expense, and shall not be authorized to bind such other persons to the payment of any indebtedness which they may incur in that behalf.

Two Hundred Yards must be Located for the Territory, Next Adjoining the Discovery Claim, in all Claims Hereinafter Taken Up. Territorial Treasurer may Sell said Claim, by Auction, after Six Months.

51. It shall be the duty of persons who may discover and claim mining rights or mineral lands, at the same time that they may define the boundary of their claim or claims to any lode or mine, as required by the provisions of this chapter, to lay off and define the boundaries of one pertenencia, as required by the provisions of this chapter, adjoining their claim or claims, which shall be the property of the Territory of Arizona. And at the same time that they shall present their notice of claim or claims to be recorded by the Recorder of the mining district, they shall also present to such Recorder the claim of said Territory. And if said discovers and claimants shall neglect or refuse to present to such Recorder the claim of said Territory as aforesaid, they shall forever forfeit all claim to the mine or ledge so discovered by them. Any recording officer recording the claim or claims of such discoverers and claimants, when the claim of said Territory is not filed therewith as aforesaid, shall be subject to all the penalties provided in section 26 of this chapter. Such claim shall be recorded as provided in this chapter for like claims; but no work shall be done thereon, nor shall it be considered to be abandoned, so long as it is the property of the Territory. And if sold, the time within which the purchaser shall be required to work said claim shall commence from the day of sale, except when the time is suspended as before provided. Every Clerk of the Probate Court, as soon as he records the said claim, shall send a copy of his record to the Treasurer of the Territory, and no fees shall be charged by any recording officer in any matter relating to said claim. And the Territorial Treasurer may at any time after six months from the day he receives such record as aforesaid, and at such time and place as in his opinion will be most for the interest of the Territory, cause such claim to be sold at auction, to the highest bidder; but every such sale shall be at least twice advertised in the Territorial newspaper, and be held at his office, or the office of the Clerk of the Probate Court, or Recorder of the mining district of the county where the claim is situated. And the Treasurer is authorized to make a deed of the same to the purchaser in the name of the Territory. And the amount received by him shall be added by him to any fund now or hereafter provided for the protection of the people of the Territory of Arizona against hostile Indians, and be expended as provided by law. And after all expenses as are incurred by the Territorial authorities for the purpose of destroying or bringing into subjection all hostile Indian tribes in this Territory are liquidated, then all remaining or accruing funds, out of all or any sales of Territorial mining claims, shall be applied as a sinking fund for school purposes.

52. The extraction of gold from alluvial and diluvial deposits, generally termed placer mining, shall not be considered mining proper, and shall not entitle persons occupied in it to the provisions of this chapter, nor shall any previous section of this chapter be so construed as to refer to the extraction of gold from the above mentioned deposits.

53. This chapter shall be in force and take effect from and after the first day of January, A. D. 1865.

Hunter's Concentrator, Amalgamator and Separator.

[Copy of Reports.]

BEAR VALLEY, DEC. 12, 1864.

MR. A. HUNTER—*Dear Sir:*—I take pleasure in stating, in reply to your request, that your Concentrator has been running uninterruptedly at Princeton mill for more than three weeks, and that the enclosed notes by Mr. Williams, the superintendent, of a carefully measured test of its performance, during a period of a day and three-quarters, I believe fairly indicate what it has been doing during the whole of that time. The concentrator has been running side by side with the usual blanket arrangement, the sands in each case having been subject to amalgamation in battery, and subsequently passed over amalgamating plates. The only comparison that we have been able to make of the amount of sulphurets passing the blankets and the concentrator, respectively, results as follows:

First: One cubic foot of tailings from the concentrator, carefully panned out by hand, gave one-fourth of an ounce of very fine sulphurets and sands, which amount was found, upon assay, to contain two-fifths of clean sulphurets; indicating that the loss of sulphurets per cubic foot of tailings from the concentrator was about one-tenth of an ounce.

Second: One cubic foot of tailings from the blankets, panned out by hand as above, gave one and three-fourths ounces of sulphurets and fine sand, which was found to contain one and forty-nine hundredths ounces of clean sulphurets and twenty-six hundredths of an ounce of sand.

The loss of sulphurets from the blankets would thus appear to be in the proportion of 149 to 10, or nearly fifteen times greater than that from the concentrator. The concentrator has not been found at any time in the slightest manner out of order, and has required scarcely any attention. Congratulating you upon these facts, I am, sir, very respectfully yours,

FRED LAW OLMSTEAD,
Manager Mariposa Company.

Notes of a test run of Hunter's Separator, it having been supplied during the test with the sands reduced by one battery of the Princeton mill, in the condition in which they are usually received by the blankets:

Running time	1¾ days.
Amalgam saved on the plates of the Separator during above time, value	$6 75
Rate of saving of single machine per day	3 86
Rate of saving of six machines per day	23 16
Yield of Sulphurets, 1¾ days, pounds	215
Yield of Sulphurets, one days run of one Machine	123
Rate per day of saving from six machines, being the whole number required for the Princeton Mill	738
Yield of amalgam from plates of Separator, per ton of rock crushed, value	55
Yield of sulphurets from Separator per ton of rock crushed, pounds	18

HANNIBAL WILLIAMS,
Superintendent of Princeton Mill.

SAN FRANCISCO, DEC. 18, 1864.

I have recently examined one of Hunter's Concentrators and Amalgamators in operation at the Princeton Mill, Mariposa Estate. The sand and crushed rock, flowing from one battery of four stamps, were passed directly over the machine without using blankets.

An examination, by repeatedly panning out the tailings from the machine, and from the blankets, working alongside from other batteries, shows conclusively that the loss of sulphurets by the machine is very much less than by the blankets, and that it is a mere fractional part of the whole, consisting of the lightest and thinnest scales, such as can scarcely be saved by panning; while on the other hand, the tailings from the blankets contain a large amount of heavy sulphurets. The product of the machine is almost pure, clean sulphurets, while the blanket sands contain a large amount of quartz. The copper plates of the machine, being amalgamated, secure much or all of the free gold that escapes the battery, and thus separates it from the sulphurets and sands with which it is left mingled in the blanket product.

Mr. Williams, the superintendent of the mill found the saving of a single machine, in amalgam, to amount to $3.86 per day, or 55 cents per ton of crushed quartz. I witnessed the cleaning up the machine and the collection of a ball of amalgam. From the weights taken by Mr. Williams and the data given on his report on the machine to Mr. Olmsted, the manager of the estate, we may state the constitution of the Princeton ore, as it came from the batteries at that time, as follows:

Clean Sulphurets containing free gold and amalgam	18.00
Quartz sand, waste	1981.78
Loss of Sulphurets and tailings	.22
Total	2000.00

One machine will work seven tons in twenty-four hours. It is extremely simple and not liable to get out of order, and requires but little attention. WM. P. BLAKE,

Professor of Mineralogy, Geology and Mining, Mining and Agricultural College, Cal.

Esmeralda Mining Items.

THE Esmeralda *Union*, published at Aurora, says that a single track railroad, with turnouts, will soon be completed between that town and the Del Monte and Antelope mill.

R. A. RICKER, J. C. Parks, and others, have started for Columbia district, to ascertain whether there is any reality in the reports received from that region. Miners are leaving almost daily for that district. Accounts from there seem to warrant the belief that the leads are very rich.

THE editor of the *Union* has seen some very fine rock from the Young America claim, where a valuable strike has been made at a great depth. Confidence is expressed that that claim will soon be made a paying institution. We condense the following additional items from the *Union:*

One of the arastras at Bodie has stopped work. It is believed, from the amount of amalgam cleaned up, that the rock reduced has yielded about $40 to the ton. If these arastrus prove successful, as there is every reason to believe they will, no less than twenty-five will be in operation within the next six months. A good arastra is capable of reducing one ton of rock per day.

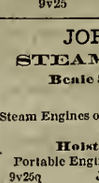
Nearly all the good tunnels in Silver Hill are being pushed forward with vigor. The Toledo, Governor Staaford, Young America, Lady Gertrude, Union and Oxford Beta, are in good hands, and getting well into the hill. Important strikes are expected before long.

Parties are now engaged in gathering float rock from the hills in this district, which they intend hauling to the mills for reduction. There are tons of thousands of tons of rich rock on the hills, most of which will yield from $15 to $100 per ton, and the time is not far distant when it will be worked with profit.

The smelting furnace at Montgomery is still in operation. Very good rock is being taken from the Del Monte. Work in the deep shaft is being prosecuted vigorously. Work is about to be resumed in the Wilburn, which is represented as being a valuable claim.

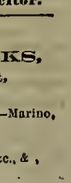
PREMIUM CUTLERY.—M. Price, at 110 Montgomery street, has a full assortment of Cutlery, etc. He received the first premium at the late Mechanics' Fair. Advertisement in another column.

NEW
PENSION, BOUNTY AND BACK PAY AGENCY.



The Proprietors of the MINING AND SCIENTIFIC PRESS have established an Agency for prosecuting claims against the United States Government for Pensions, Bounty, and Back Pay.

Discharged Soldiers, and heirs of deceased Soldiers, will find it for their interest to call upon us for any information relating to the above, as our facilities for preparing the proper evidence, and for collecting claims, are such as will invariably secure prompt returns.



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9v25

JOHN LOCHHEAD'S
STEAM ENGINE WORKS,
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Steam Engines of every description built to order—Marine, Stationary or Locomotive.

Hoisting and Pumping Engines,
Portable Engines of all sizes; Donkey Pumps, &c., &c.
9v25q JOHN LOCHHEAD, Proprietor

STEAM BOILERS WITHOUT WELDS OR RIVETING.—Mr. W. S. Londridge, Alderwasley Ironworks, Derby, England, has pateuted a method of making cylinders from thick annular ingots, which are reduced by hammering, pressing, and rolling, so that the cylinder is without any joinings or seams. Krupp's tires are made free from welds; and he has exhibited the cylindrical shells of a locomotive boiler made solid. If Mr. Londridge can do what he proposes, at a moderate price, he will have greatly improved boiler-making.

A boilcr-plate bent cold into a cylinder is weakened; the outcr fibers arc strained by the stretching, aud the inner fibers are compressed and in antagonism, and help the steam to further stretch the outer ones; and if the iron is not very ductile the weakening is serious. Besides this, the single-riveted joint is forty-four per cent. weaker than the solid plate. Considering these two elements of weakness, it is probable that most boilers are not more than half as strong as they would be if their cylindrical parts were seamless.

Every engineer must admire the enterprise of Krupp, who makes the whole cylinder in one seamless piece; but the cost of his work is in proportion to his merit, and rather above those principles of trade which do not require carriers to pay for the people they kill. If we can get solid cylinders only twenty inches long, we can do well with them; and if longer, so much the better. We see no reason why the homogenous metal of Shortridge & Howell, or Bessemer, should not be cast in annular ingots, and worked as here proposed.

APPLICATION OF IRON SLAG.—In a paper on this subject, read before the British Association by Dr. Paul, he stated that attempts had been made to cast the slag into blocks as it issued from the furnace, to be afterward used as artificial stone, but had all failed. The application proposed with slag at the present time was to convert it into bricks for building. This was done by a simple and ingenious contrivance. A gentleman had succeeded in blowing the slag into a state of very fine division, by sending steam or air into it, just as it flowed from the blast furnace in the liquid state. It was thus blown into a substance resembling wool in appearance. This substance was taken and ground into dust, mixed with lime, subjected to powerful pressure, and made into bricks, of which he exhibited some examples. These bricks required no fire: after being pressed, they were allowed to dry, and could be used at once, the influence of the atmosphere producing a slow kind of hardeniug. —*Mining and Smelting Magazine.*

APPLICATION OF FIRE TO BREAKING GROUND.—Before the application of gunpowder to blasting, it is well known that, from the most ancient times, fire was largely employed on the Continent in aiding the breakiug of ground in mining. It has for some time been considered as a thing of the past; the last locality where it was employed being the ancient, and almost classical, Rammelsberg mine, in the Harz, where the peculiarly tough nature of the rock gave it unusual advantages. This mode of working (which indeed appears never to have been completely abandoned in Saxony) has, however, been recently resumed, with improvements in details, at the St. Christophe pyrites mine, near Breitenbruun, under the direction of Herr Fickentscher. It had already been attempted, a few years ago, by Herr Cloter, but was abandoned in consequuce of the great expense of the wood fuel then used. The fuel now adopted is Zwickau coke, which is thus used. Two iron bars, of different diameters, are placed across the level—the smaller one in advance, so that when the grate (made of bars 20″ long) is placed on them, it inclines towards the face of the ground to be broken. At a distance of 8″ or 10″ from this face, a wall of refractory brick is built on the grate up to the top of the level. The bottom part of this wall has openings for the purpose of lightiug the fire, and towards the top it is provided with air holes. With a closed fire-place, thus constructed, about one scheffel (1½ bushels) of coke, costing two sgr. (2½*d*), burns through the entire night, when the wall is removed, and the whole left to cool, after being sprinkled with water. About noon the face of the rock spontaneously detaches itself, and after that a further portiou is broken. The effect of the fire generally extends to the depth of 8″ (eight inches); and with one scheffel of coke, from 16 to 24 cwt. of ore is obtained, at one-half per cent less cost than it could be broken with powder.

STEAM ENGINES IN PRUSSIA.—From an official return recently issued, it appears that the total number of steam engines at the end of 1862 was 8,653, with 365,707 horse-power, as showing an increase of 5,821 engines and 273,243 horse-power, as compared to 1852, when there were only 2,832 engines, with a total of 92,462 horse-power.

STEEL tie-rods and truss-rods are proposed for cast-iron girders by the London *Building News.*

Professional Cards.

G. F. DEETKEN,
Mining Engineer and Metallurgist,
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v9-25

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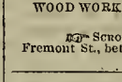
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San Francisco, May 10th, 1864. 20

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A Remarkable Steam Boiler.

Yesterday the boilers of the U. S. "double-ender," *Algonquin*, building by the Providence Steam Engine Company, were tested, and exhibited such results as to astonish the practical men who witnessed the trial. The boilers stand on the dock without any chimney whatever, so that the only draft was that which was produced inside of the boilers themselves, which usually would not serve to make steam in less than two or three hours of firing. In these boilers, however, steam was produced in seventeen minutes from the time the fire was lighted; and in half an hour the pressure was about seventy pounds to the inch. The safety valve was then opened and the steam blown off at a pressure varying from seventy to thirty pounds to the inch. At the pressure of thirty pounds the safety-valve was blocked open, but the steam could not be blown down below that point, although the safety-valve is about twice as large in proportion to the grate surface as is usual, and the fire was made of ordinary cord-wood burning without any chimney. Instead of blowing off water from the open valve, as boilers usually do, nothing but pure steam could be seen, thus showing that no heat is lost by working water; and the products of combustion as they pass from the boiler tubes are so cooled that persons were walking on the perforated plate through which the hot gases were escaping, without burning shoes or clothing, and the hand could be held at the aperture of the tube without any inconvenience whatever. Before the boilers were fired up they were subjected to a cold water pressure of more than a hundred pounds to the inch, which they endured without complaining.

The boilers are less than half the usual size, and yet they make pure steam without any "steam chimney," in less than a quarter of the time usually required, and in far greater quantities, from weight of fuel, than any other boiler ever constructed can do.

Persons interested ought to inspect these boilers before they are placed in the ship. They are the invention of Mr. Edward N. Dickerson, of New York, who has patented them here and abroad. The entire machinery of the *Algonquin* is building upon his plan, and the boilers are the first part tested.—*Providence Journal.*

We have no intimation, whatever of the peculiarity of construction employed in these boilers, other than what may be contained in the notice we give above from the *Journal.*

To Mining Secretaries.

We positively refuse hereafter to receive advertisements of any mining company for the payment of which the Secretary is unwilling to vouch. We shall also exercise the right to eject from our columns, at any time during the course of publication, any advertisement for which payment is not made, or security given upon proper notification.

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9v24

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San Francisco, May 24, 1864. 22-tf

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Report of the Ophir Mining Company.

The Ophir Mining Company held its annual meeting on Wednesday last. We obtain the following figures from the Secretary's report. The ores extracted from the mine in 1864 were :

	Tons.
First class	421
Second class	3,345
Third class	14,842
Total	18,609

Of ore, 8,619 tons were sent to the Ophir Reduction Works, 3,545 tons to the Woodworth mill, and 964 tons to the New River mill. The quantity of ore now on hand is 8,147 tons. At the Ophir Reduction Works the ores were reduced by the barrel and patio processes. The following figures represent the workings of the two processes :

	Tons.	Value.	Yield.	Cost per ton.
Barrel	4,554	$606,653	$519,703	$32 05
Patio	2,920	258,289	243.947	32 37
Total	7,474	$864,742	$763,650	

The following is a recapitulation of the receipts for 1864 :

Balance on hand at last annual statement	$4,974 08
Receipts in Nevada, per statement A	107,617 58
Receipts at San Francisco Office, per statem't B.	899,773 15
Total receipts	$1,012,364 81

The dishursements were :

Mining cost, per statement C	$459,712 15
Washoe Reduction Works, per statement D	269 344 25
Woodworth Mill, per statement E	50,757 38
New mill on Carson river, per statement F	52,874 02
Bridge over Washoe lake, per statement G	6,338 60
Sundry payments in Nevada, per statement H	5,164 16
Sundry disbursements in San Francisco, per statement I (dividend No. 22)	67,200 00
Sundries	99,172 50
Balance on hand	10,817 75
Total	$1,012,364 81

The assets are thus put down :

Real and personal property in Washoe Valley	$346,426 26
On Carson river	127,012 00
At the mine, exclusive of the mine itself	50,929 50
4,000 tons fourth-class ore, lying at the mine, estimated value $2.50 per ton	10,000 00
Total, per inventory on file	$534,367 76
Claim against J. O'Farrell & Co. (reported Dec., 1863)	10,533 87
Claim against W. W. Palmer	8,000 00
Office fixtures	500 00
Cash on hand	10,817 75
Total assets	$564,219 38

The liabilities are :

Note for new mill on river	$7,500 00
Note for new machinery	8,215 27
Due for President's salary	2,400 00
Balance	546,104 11
Total	$564,219 38

HUNT'S MACHINES.—We have seen at Hunt's windmill factory, near the corner of Second and Jessie streets, a new mill for grinding horse-radish, occupying a space not exceeding twelve inches square. The inside has two grinding rolls, set with cutters, for grinding all kinds of vegetable roots. The rolls are geared together, and the mill is worked by a crank on one end of the machine. Under the rolls is a drawer to receive anything that is ground. When the mill is not in use, the crank and hopper is taken off and put into the drawer, and the whole shut up tight, to keep clean. This mill will grind one pound of any vegetable root in three to five minutes. It appears to be just the machine that is wanted for the hotel, hoarding house, restaurant, and in all large families. Mr. Hunt also exhibits a model of a new ditching machine, and a new self-regulating windmill, which last would be a valuable arrangement to place upon the top of the stores in the lower part of the city, where the cellars are liable to receive an influx of water from high tide, or an excess of seepage from the surrounding soil in wet weather. One of these mills would raise a large amount of water for the little distance required to run it off upon the surface, or into sewers, and could in many cases, keep cellars clean and sweet that are now troubled with stagnant water, damaging to both goods and health.

REMARKABLE SILVER MINES IN SOUTHERN UTAH.—We find the following account of marvelously rich silver mines in Southern Utah in the St. Joseph *Herald and Tribune* of November 1st : "Mr. John Harris, of this city, has recently returned from Meadow Valley, Utah Territory, where he has been for several months past. This valley is about 300 miles in a southerly direction from Great Salt Lake City, and about 100 miles from the head of navigation on the Colorado river. The silver mines located here are of incalculable value, the ore being so rich as to be malleable under the hammer. Assays made in San Francisco, Salt Lake City and New York prove it to be worth more than the famous Washoe lodes. Gen. Connor is keenly alive to the wealth of this section, and has located his great road from Salt Lake City to the Colorado river through it. Brigham Young will bring his people from Europe up this river hereafter, and not through this State. Many circumstances indicate the coming importance of these mines as better than any before known."

BLASTING

POWDER.

EDWARD H. PARKER,

No. 224 California Street,

Agent of the

Hazard Powder Company.

WARRIN, SMITH & CO.,
Commission Merchants.
—ALSO—
REAL ESTATE, STOCK AND EXCHANGE BROKERS,
Members of the San Francisco Board of Brokers Members of the Pacific Board of Brokers.
No. 618 Merchant St., (above Montgomery) San Francisco.
☞ MONEY TO LOAN IN SUMS TO SUIT. ☜ 18-tf

Machinery.

HUNT'S NEW DITCHER.

HAVING SECURED FROM THE INVENTOR THE SOLE right to manufacture these Machines for the States of California and Oregon, and the Territory of Washington, I am now prepared to receive and promptly fill orders for these machines.

With the aid of three men and four horses this Machine will cut a ditch from two to three feet deep, as may be desired, dumping the earth all on one side so as to form a dike or embankment. For particulars send for circular, to

E. O. HUNT,
Windmill Builder, No. 28 Second Street and 110 & 112 Jessie Street, San Francisco. 9v22tf

Volcanic Smelting Furnace.

PERSONS desiring information as to the Use and Economical properties of this Furnace, and intending to make use of the same, when satisfied of its superiority over all other means of reducing ores and separating metals from the sulphurets, can obtain all needed explanation and advice in regard to the same, and the terms of sale of rights to use the same, on application to Col. J. D. Stevenson, or Mrs. E. J. Hall, Proprietress, 633 Third street, San Francisco.

Drawings may be seen at the office of Col. J. D. Stevenson, No. 614 Merchant street.

The time required for reducing ores by this Furnace is from one to three hours, and the amount of fuel only one-tenth as much as is consumed by other processes.

The process of condensation is applied to this Furnace which will save all those portions of precious metals which usually escape in a volatile form.

The attention of all interested in the subject is requested to examine the important results obtained by this process.

Parties wishing will be allowed to erect a trial furnace of a capacity for smelting one ton or more, on signing an obligation to pay the usual fee for the right to use it, should they continue to make use of the invention for a longer period than two months.

v9-20tf MRS. E. J. HALL, M. D., Proprietress.

BLAKE'S
QUARTZ BREAKER

Is now extensively used for breaking hard masses of

QUARTZ OR ORES

to a size suitable for stamps. These machines are patented and are in practical operation in

CALIFORNIA, AUSTRALIA,
WASHOE,
ENGLAND, FRANCE,
—AND—
THE ATLANTIC STATES.

Machines, or circulars containing further information, may be obtained of the undersigned.

BLAKE & TYLER.
706 Montgomery Street, San Francisco.

CHAS. T. BLAKE.	E. TYLER.	WM. P. BLAKE.
Idaho City.	Michigan Bluff.	San Francisco.

1-3m

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.

Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.

IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.

Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Goldeu State Iron Works, San Francisco.

IMPROVED WATER-WHEEL,
—PATENTED BY—
JOHN TYLER, WEST LEBANON, N. H.

Giving the Maximum Power with the Minimum Cost; Having the Following as Some of Its Advantages Over Others—Giving the Best Percentage of Water Used, Durability,

It runs Equally as well IN Back Water as OUT.

IT IS ADAPTED TO HIGH HEADS OR LOW—IT IS NOT LIABLE to get out of repair—It can be put to running by any Machinist in a very short time—It is the steadiest running and easiest regulated wheel in use—There are now some 500 of them in use in the United States and Canadas, running under all heads, from 4 to 80 feet, and giving universal satisfaction. Address

SMITH & HANSCOM,
15v8-3m Goldeu State Iron Works, San Francisco.

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN
HORSE POWER
For Sawing Wood.

ALSO, THE
Self-Regulating Horse Power

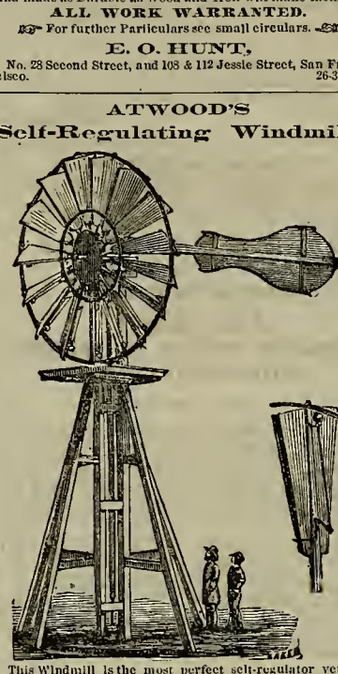
Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,
No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S
Self-Regulating Windmill.



This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,
SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

Hudson's Improved Pump,

For sale and made to order any size desirable. Call and see.

Plumbing and Gas Fitting in all its Branches.

No. 33 Webb Street, Entrance on California or Sacramento, above Montgomery.

9-dfatf A. J. SMITH,

FARRAND'S
Oscillating Amalgamator,
RECEIVED THE
ONLY PREMIUM
AWARDED FOR AMALGAMATORS
At the Recent Industrial Fair
OF THE
Mechanics' Institute of San Francisco.

Committee of Awards.

O. BELDEN,	W. T. GARRATT,	H. P. WAKELEE,
O. GORI,	GEO. JOHNSON,	C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, whilst the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulppurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,
R. L. OGDEN, Agent, SAN FRANCISCO.

S. E. corner Monigomery and California streets.
v9-19

Disney's Cylinder Amalgamator.
The Cheapest and Best.

DISNEY'S CYLINDER AMALGAMATOR, WHICH HAS recently been introduced to the public, has already been proved a complete success, and can be furnished, at a price cheaper than any other in use. It is simple in construction, and so arranged as to do a large amount of work with the smallest expenditure of power. The proprietor is satisfied that he can do more work in a given time and with a given expenditure of power than any other amalgamator in use. For small companies who desire cheap yet effective machines, none can be more desirable.

It may be seen in operation at the Rail Road Foundry on Fremont street where

A NEW CRUSHER

Is in operation and he can crush and Amalgamate at the LOWEST RATES. Miners and all others interested are invited to call and examine for themselves.

M. DISNEY, Patentee.
San Francisco, June 23, 1864. 1-3m

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no appreciable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. This fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kustel Bros. works, Bryant St. between 3d and 4th.

{Illustrated in the Mining and Scientific Press, April 9th, 864.} {HEPBURN & PETERSON.

nov8 3m*

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from where it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned aginst purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

PRATER'S
PATENT CONCENTRATOR.

THE PROPRIETORS OF THIS NEW CONCENTRATOR, having completed arrangements for its manufacture at the Fulton Foundry, in this city, now offer it to the public, with the fullest confidence that for the purpose for which it is designed

It Has No Equal in Use.

The principle of this machine, which is designed for a Concentrator exclusively, is entirely new. It is designed for separating finely divided quicksilver and amalgam and gold from the sands, and for concentrating and saving the sulphurets, and is to be placed behind all or any other machine in use.

This machine is now running on wasto sands, from which it is taking out an average of 3½ pounds of quicksilver for each ton of sand. Orders or letters of enquiry may be addressed to

HUNGERFORD & PRATER, Proprietors.
San Francisco, April 1st, 1864. 14v8-tf

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, force a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarity of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The Inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal., by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

TO QUARTZ MINERS.
Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Steen, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of Iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,
At the Novelty Iron Works, Nos. 37 & 39 Fremont street.
15-1m

ASSESSMENT AND SALE LIST

OF CLAIMS IN

VIRGINIA AND GOLD HILL DISTRICTS.

CORRECTED WEEKLY FROM LATEST DATES OF THE TERRITORIAL ENTERPRISE.

[This list embraces Companies advertised in Virginia City papers, most of which are not incorporated or advertised in San Francisco.

Assessments Levied.

Name of Company.	*Date of Levy.*	*Am't per foot*
Adriatic	Nov 11	1 00
Almauza	Nov 29	25
American Basin	Dec 11	25
Birdsall	Dec 6	5 00
Colossus	Nov 25	1 00
Daniel Low Coal Co	Dec 15	5 00
Empress	Nov 29	1 00
George Law	Nov 27	25
Gold Hill T & M	Dec 1	1 00
Hawkeye Original	Dec 2	2 50
Hawkeye, Central	Dec 8	2 50
Jewett	Dec 14	1 00
Kentucky	Dec 12	25
Mount Blanc	Nov 22	1 00
Mitton	Dec 6	5 00
North American	Dec 8	2 00
New Oregon	Nov 22	2 50
Rock Island	Nov 20	1 00
Santa Rita	Dec 3	1 00
Utah	Nov 12	3 00

—o—

Delinquent Sales.

Name of Company.	*Date of Sale.*	*Place of Sale*
Belvidere	Dec 24	Virginia
Colorado	Dec 25	Gold Hill
Dardanelle	Jan 10	Gold Hill
Daniel Webster	Dec 24	Virginia
Granada	Dec 24	Virgima
Midas	Dec 26	Gold Hill
Mary Ann	Dec 28	Gold Hill
Sunrise	Jan 3	Gold Hill
Silver Vale	Jan 9	Virginia
Santa Fe	Dec 24	Virginia
Utah	Jan 12	Virginia

AUCTION.

There will be sold at Public Auction, for the benefit of the Citizen's Coal Mining Company, Mt. Diablo District, Contra Costa County, California, at the salesroom of Maurice Dore & Co, on Wednesday, the 4th day of January, 1865, at the hour of 12 o'clock M., to the highest bidder:

1—That certain shanty, belonging to the said Company, 16 x 12 feet, with one door and one window, together with a stove and cooking apparatus, situate at the foot of the hills on the ground of said Company, about three miles south of the town of Antioch, in the county of Contra Costa.

2—A small size Forge, with Anvil and sundry tools, to be seen near the said house.

3—That certain Artesian Well-borer, with all fixtures and appurtenances, of about 400 feet length, more or less, as to be seen now in working order at Adam's Ranch, about two miles south from Somerville, or seven miles south of Antioch. For further particulars apply to

E. J. PFEIFFER.

26-2 S. W. corner Post & Dupont sts., San Francisco.

Hudson River Copper Mining Company, O'Possum Bar District, Amador County, California.

The Annual Meeting of the Stockholders of the above Company, for the election of Trustees for the ensuing year, will be held on Thursday, January 12th, 1865, at 11 o'clock A. M., at the office of the Secretary, No. 728 Montgomery street, San Francisco. N. O. FRENCH, Secretary.

26-3

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment (No. 2) of 25 cents per share was levied upon the capital stock of said Company, payable immediately United States gold and silver coin, to the Secretary, A. Buetell, No. 624 Market street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 25th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 624 Market street, San Francisco. doc17-25-4

PREMIUM CUTLER!

FIRST PREMIUM of the Mechanics' Institute in **1860**;
FIRST PREMIUM of the Bay District Society in **1860**;
FIRST PREMIUM of the Mechanics' Institute in **1860**.

—TO—

M. PRICE,

FOR HOME MADE CUTLERY.

No. 110 Montgomery Street, between Bush and Suttor.

SAN FRANCISCO.

Razors, Knives, Shears, &c., made to Order and Warranted. Particular attention paid to Jobbing. Damaged Cutlery polished equal to new. Country orders promptly filled. 26-3m

Prices to Suit the Times!

FARE AT REDUCED RATES!

Pacific Mail Steamship Company.

FOR NEW YORK, VIA PANAMA,

The Splendid Steamship

CONSTITUTION,

E. S. FARNSWORTH.....Commander

Will be dispatched for Panama on

WEDNESDAY, JANUARY 4, 1865.

At 9 o'clock A. M.,

Connecting, via Panama Railroad at Aspinwall, with the New and Swift Steamer

NORTH STAR.....Captain A. G. Jones

Through Trip to New York in 21 Days.

The Isthmus transit is made by Railroad in three hours! All exposure to a tropical climate is thus avoided.

This route offers PARTICULAR advantages to ladies and families.

The Atlantic steamer is convoyed by an United States war vessel.

For further particulars, inquire at the office of the Pacific Mail Steamship Company, corner Sacramento and Leidesdorff Streets.

24 **OLIVER ELDRIDGE, Agent.**

New Mining Notices.

United States Mining Company, Virginia District, Storey County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 21st day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Anderson, W N	494	5	$5 00
Alexander, John F	198	10	10 00
Burke, A J		2	2 00
Bennett, J L	62 63 64 65 66 67—ea 5	30	30 00
Brooks, J W	71 72—ea 5	10	10 00
Cherry, J W	103	4	4 00
Collins, S M	275 276 277—ea 10	30	30 00
Collins, J S	278 279 280—ea 10	30	30 00
Dias, A H L	11	5	5 00
Foley, M	200 201 202—ea 10	30	30 00
Griffiths, T J	012	1	1 00
Goodrich, C B	69	4	4 00
Hunter, David	310	10	10 00
Hotz, Conrad	29 30 31—ea 10	30	30 00
Hughes, James	91	8	8 00
Hencock, Josiah	56	2	2 00
Houghtaling, C	281 282—ea 10	20	20 00
Knox, A C	74	2	2 00
Knox, W D	214	10	10 00
Keyes, John	162	5	5 00
Long, Frank	70	4	4 00
Lane, L C	29	2	2 00
Lachman, D	250	8	8 00
Long, L H		20	20 00
Marston, J H	01	40	40 00
Munroe, H J		15	15 00
Morrill, R A	370 371 541—ea 10	30	30 00
Miller, W J	376	10	10 00
Miller, W J	377	20	20 00
Muller, J H	36 37 38—ea 5	15	15 00
Mugan, Cathe	203	2	2 00
Murdock, Wm	210	2	2 00
McBride, Jas	92	7	7 00
McCarty, Eli	197	2	2 00
Neely, Wm	61	5	5 00
Porter & Collins	269	50	50 00
Parker, E J	75	4	4 00
Pollard, J M	95	2	2 00
Quick, R P	251	10	10 00
Rierson, A	202 203 264 265 266 267—ea 10	60	60 00
Rierspa, A	233	2	2 00
Rierson, A		6	6 00
Sessions, E C		40	40 00
Stegemaa, Henry	247	5	5 00
Scott, J W	73	3	3 00
Swift, Jos	206	10	10 00
Taylor, Peter	576	10	10 00
Truesdale, Wm	78 70—ea 5	10	10 00
Weed, G A	5 6 7 8—ea 10	40	40 00
Wallis, T K	12	2½	2 50
Wright, R S	80	2	2 00

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Edwards, McGrew & Olney, 626 Montgomery street, San Francisco, Cal., on the 7th day of January, 1865, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. de24-26

Raba Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 21st day of November, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Claus Bonet	20	10	$10 00
Lawrence Jessen	22	10	10 00
Lawrence Jessen	23	10	10 00
Lawrence Jesson	56	50	50 00
Lawrence Jesson	57	50	50 00
Lawrence Jessen	58	12½	12 50
Lawrence Jessen	59	25	25 00
Lawrence Jessen	00	25	25 00
J J Hall	38	15	15 00
J J Hall	37	10	10 00
John Stimble	50	25	25 00
John Stimble	52	10	10 00
W Jacobi	54	15	15 00
W Jacobi	65	5	5 00
J E Purdy	62	15	15 00
E S Davis	34	15	15 00

And in accordance with law and an order of the Board of Trustees, made on the 21st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 9th day of January, 1865, at the hour of 12 o'clock, M., of said duy, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. dec24-26

Mammoth Gold and Silver Mining Company, Rock Spring District, San Bernardino County, California.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the 19th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount.
Baldwin, M M	241	5	$3 00
Baldwin, M M	242	5	3 00
Babb, S G	273	10	6 00
Foster, W W	131	7 3-12	4 35
Franklin, E	166	10	6 00
Farrolly, R S	212	40 8-12	24 40
Harrington, G	105	10	6 00
Haines, E A	211	41	24 60
Livermore, E	263	81	48 60
Livermore, H P	265	81 8-12	49 00
Lynch, S	235	10	6 00
Leland, W J	260	5	3 00
McKean, H	231	20	12 00
McKay, J	232	4	2 40
McKay, J	233	30	18 00
Mott, P J	110	10 8-12	10 00
Mahan, H W	223	10	6 00
Morris, M	262	20	12 00
Ober, Benj	234	10	6 00
Rowley, J B	176	2	1 20
West, R	140	25	15 00
Williams, C	259	2	1 20

And in accordance with law, and an order of the Board of Trustees, made on the 19th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 9th day of January, 1865, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment, together with costs of advertising and expenses of the sale.

GEORGE BOWER, Secretary.

Office, 611 Clay Street (room 8), San Francisco. 26

BY AUTHORITY OF THE STATE OF CALIFORNIA.

having fully complied with the law by a deposit of **$325,000** bonds of the State of California and the United States

BIGELOW & BROTHER,

GENERAL INSURANCE AGENTS,

FIRE, MARINE AND LIFE INSURANCE,

Capital Represented.....$15,000,000.

California Deposit..... $325,000.

Office Northwest corner Sacramento and Montgomery streets, and Northwest corner Front and California streets.

LIFE, MARINE AND FIRE COMPANIES,

HARTFORD FIRE INSURANCE COMPANY, Assets	$1,500,000
HOME INSURANCE COMPANY, of New York, Assets	3,400,000
SECURITY INSURANCE COMPANY, of New York, Assets	2,000,000
PHŒNIX INSURANCE COMPANY, of New York, Assets	1,000,000
ARCTIC INSURANCE COMPANY, of New York, Assets	600,000
WASHINGTON INSURANCE COMPANY, of New York, Assets	600,000
CONNECTICUT MUTUAL LIFE INSURANCE COMPANY, of Hartford, Conn.	

Policies issued on Freights, Cargoes, and Treasure, from and to All Parts of the World. Voyage War Risks taken on Hulls.

Fire Insurance Policies issued on all kinds of Insurable Property in the Country or City. Losses Payable in Gold Coin of the United States.

We represent the Oldest and Best Companies in the United States, and offer as favorable terms as any agency on this Coast.

Losses paid immediately on adjustment.

BIGELOW & BROTHER,

17-6m **General Agents.**

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 21st day of November, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T R Diehl	120	112	$224 00
J H Muller	74	2	4 00
J H Muller	124	2	4 00
J H Marston	122	12	24 00
J H Marston	110	12	24 00
Chas Parrott	124	12½	25 00
Jas B Richardson	88	5	10 00
Jas B Richardson	131	5	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at salesroom of Edwards, McGrew & Olney, No. 626 Montgomery street, San Francisco, on the 7th day of January 1865, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and exposes of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner of Washington and Sansome Streets, San Francisco. dec24-26-3

North Superior Copper Mining Company, Union District, Plumas County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of December, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the Company, No. 338 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 4th day of February, 1865, at the salesroom of Maurice Doro & Co., No. 327 Montgomery street, San Francisco, California, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. B. SHERMAN, Secretary.

Office, Room 12, No. 338 Montgomery street, San Francisco, California. dec24-26-4

Mosquito Quartz Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of December, 1864, an assessment of five dollars per share (one dollar per foot) was levied upon the capital stock of said Company, payable on the 20th day of December, 1864, in United States gold and silver coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 6th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

G. PARDOW, Secretary.

Office, No. 15 Montgomery Block, San Francisco. dec24-26-4

Gobernandora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of December, 1864, an assessment of one dollar and fifty cents per share was levied upon the capital stock of said Company, payable on the 24th day of December, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 4th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.

Office, No. 522 Montgomery street, San Francisco. dec24-26-4

Wilson Copper Mining Company, Garden Bar District, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 19th day of December, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable on the 20th day of December, 1864, in United States gold and silver coin to the Secretary, at the office of the Company, No. 611 Clay street, (Room 8) San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 4th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco. dec24-26-4

St. Paul Gold and Silver Mining Company, Amador District, Lander County Nevada.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, No. 710 Sansome street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 4th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. dec24-26-4

Rabicon Gold and Silver Mining Company, No. 1, 2, 3, and 4.

The Members of the above Companies will please take notice that the Annual Meeting of the Stockholders, for the election of officers for the ensuing year, will be held at the office of the Companies, No. 964 Mission Street, San Francisco, on the evening of January 2d, 1865, at 7 o'clock. A full attendance is desired, either in person or by proxy.

J. B. VAN HAGAN, Secretary.

December, 22, 1864. 26-2

PRACTICE WITH SUPER-HEATED STEAM.—At a meeting of the Institution of Engineers, in Scotland, Mr. James R. Napier gave an account, from notes furnished by Mr. Beardmore, the engineer of the General Steam Navigation Co., of the working of about thirty vessels that have been fitted with super-heating apparatus on the "combined" principle of Mr. Wethered of Baltimore. In some vessels there had been other alterations; but in others that had been altered only by super-heaters in the uptake there had been about 25 per cent. saving in fuel, with some increase of speed.

In one vessel that worked with salt water and had copper steam-pipes, there was a corrosion of copper, and a deposit of it on the slide-valves, and considerable damage done to the engines. This was attributed by Prof. Foster, of the Andersonian University, to the presence of hydrochloric acid in the dry and hot parts of the boiler—which, in that vessel, had a fifth of its surface above the water-level.

The Novelty Iron Works have in years past found corrosion in boilers used with surface condensers: They suspected that copper pipes had helped to cause it, and substituted cast iron pipes; and also kept the water in the boiler slightly salt. The corrosion ceased; from which cause is not certainly known; probably the presence of copper in contact with iron does harm in many instances.

On the whole, the superbeaters were satisfactory to the company.

CHILLED CAST IRON SHOT.—Recently, at Shoeburyness, an ordinary cast iron 250-lb shot was fired, with a 35-lb charge, against an iron target, and broke up almost harmlessly against it, making a severe dent but nothing more. A chilled shot of the same weight, and charge of powder, went clear through everything. The best Pontypool iron is used for the chilled shot. In some cases the shot is over chilled, and the outer surface so contracted over the inner mass as to shatter like glass, in the gun, and come out in fragments.

Steel shot of different makers were tried at the same time, and it was thought probable that they may in time supersede iron.

MINING BLANKS
For Sale
AT THE
OFFICE OF THE MINING AND SCIENTIFIC PRESS,
Nos. 11 & 50 Government House.

Blanks for Mining Companies, Secretaries, Shareholders and others, always on hand, or printed to order, at our office.

Among others are those of the following forms:

Shareholder's Proxy.

KNOW all men by these presents, that I, ... do hereby constitute and appoint ..... my attorney and agent, for me and in my name, to vote as my proxy, at a meeting of the ..... Mining Company, to be held ..... 186 , according to the number of votes that I should be entitled to cast were I there personally present.

In witness whereof I have this day hereunto set my hand and seal. .....[Seal]

Dated 186

Assessment Notice.

..... Company

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the ..th day of ..... 186 , an Assessment of .....per share was levied upon the Capital Stock of said Company, payable on the ..th day of .....186 , in United States gold and silver coin to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday, the ..th day of ....., 186 , will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on ....., the ..th day of ....., 186 , to pay the delinquent Assessment, together with the costs of advertising and expenses of the sale. By order of the Board of Trustees.

..... Secretary.

Office.....

Delinquent Sale.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the ..th day of ..... 186 , the several amounts set opposite the names of the respective shareholders as follows, to wit:

Names.	No. Certificate.	No. Shares.	Amount.
Theophilus Thistle	23	14	$140 00
Peter Piper.....	2	3	30 00

And in accordance with law and an order of the Board of Trustees, made on the ..th day of ..... , 186 , so many shares of each parcel of said stock as may be necessary, will be sold at the.....

....., on ....., the ..th day of....., 186 , at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

..... Secretary.

Office.....

☞ Our advertisers are furnished with blank Assessment and Sale notices free of charge. Orders from the interior promptly filled, by mail or express, as may be desired.

Coal Creek Coal Mining Company.

Located near Geyserville, Sonoma County, California containing 320 acres.

CAPITAL STOCK,.....$120,000
600 Shares.....$200 Per Share.

Office of the Company, Room 28 Government Building corner of Sansome and Washington streets, San Francisco

A. P. McCARTY.....President
D. S. CUTTER.....Secretary & Treasurer

TRUSTEES:

JOHN J. HUCKS,.....San Francisco.
GEO. H. BAKER,.....San Francisco
P. T. ARCHAMBOU,.....Geyserville.

19-3m

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—OF—
HATS AND CAPS
—IS AT—
Meussdorffer's Hat Manufactory,
635 and 637 Commercial Street,
Between Montgomery and Kearny,
SAN FRANCISCO,
WHICH HE OFFERS FOR SALE
WHOLESALE AND RETAIL.

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General Furnishing Undertaker,
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ARTIFICIAL LEG,
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DENTISTS,
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JOB PRINTING PRESS
Can now be seen in operation in San Francisco, at the office of the MINING AND SCIENTIFIC PRESS, corner of Washington and Sansome streets.

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Is the addition of a very simple, but ingenious and effective method of self-delivering of the cards or printed sheets from the Newbury Press.

It costs less, weighs less, and prints faster than any of the ordinary Job Presses now in use. Any Journeyman or Apprentice, who understands working the Washington hand-press, will have no difficulty in operating this machine.

As a Cheap and Simple Press, for small Printing Offices in the interior, it highly recommends itself.

Address, **L. M. KELLOGG.**
October 29th, 1864. San Francisco.

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Literature, Science and Art.
Beautiful Embellishments! Fine Steel Engravings! New Volume begins January, 1865.

Its contents are carefully selected each month from the entire range of Foreign Quarterlies, Monthlies and Periodicals.

It aims to give the choicest articles from the pens of the most eminent foreign writers on topics of general interest.

The great questions of the day, touching Literature, Morals, Science, Philosophy and Art, are thoroughly and ably discussed by the most brilliant and distinguished expositors.

The Reviews of the most notable publications which from time to time appear, and which are so extended and comprehensive as to give the reader the finest extracts and a general idea of the whole work, form a noteworthy feature of the publication.

Many of the articles in the foreign periodicals treat on subjects entirely local, and it is the aim of the Editor to carefully select only those of interest to the American reader.

The miscellany department, containing brief criticisms of both foreign and American publications, selections of poetry, scientific and art items, is made with great care from extensive research and varied reading, and adds much to the value of the work.

Each number is embellished with one or more fine steel engravings—portraits of eminent men or illustrative of important historical events.

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TERMS—$5 per year. Single numbers, 42 cents.

Clergymen, Teachers and Clubs supplied on favorable terms. Address,

W. H. BIDWELL,
v9 25 No. 5 Beekman street, New York.

Owen's River Canal Company.

CAPITAL STOCK.....$1,000,000

10,000 Shares.....$100 per Share.

A PORTION OF THIS STOCK IS NOW OFFERED TO THE public and recommended as an investment.

Full Paid and Unassessable Stock,

Also Assessable Stock, can be obtained of A. J. DOWNER & CO., the authorized Agents of the Company,
406 Montgomery Street.

President.....R. S. WHIGHAM.
Secretary.....W. FISK HITCHCOCK.
Treasurer.....MONTGOMERY GODLEY.
Superintendent.....WILLIAM FLEMING.
Engineer.....J. E. CLAYTON

TRUSTEES:

R. S. WHIGHAM, formerly of Whigham's Mill, Nevada City.
WILLIAM FLEMING.....of San Francisco.
SPIER RIDDEL:.....Paying Teller of Parrott & Co's.
ISAAC SWAIN.....of A. J. Downer & Co.
WILLIAM P. PRATT.....of Nash & Fogg

Office of the Company 328 Montgomery Street. 1tr

Illegal Advertising!

We notice many Secretaries are having their notices of delinquent sales published *weekly* in a *daily* paper. As this is a plain violation of the new law we feel it our duty to warn such parties of this error, and herewith append that section of the "Act Concerning Assessments upon the Stock of Corporations," which governs the publication of delinquent notices.

Section 9. Said notice, when published in a daily or weekly paper, or in both, shall be published as follows: When published in a daily paper, the same shall be published for a period of ten days, excluding Sundays and holidays, previous to the day of sale. When published in a weekly paper, the same shall be published for two weeks previous to the day of sale, the first publication in the weekly being at least fourteen days prior to the day of sale.

By the above extract it will be clearly seen that no delinquent stock can be legally sold by advertising in a daily paper, unless the notice is inserted *daily*.

For Advertising Assessments on Saturdays.

Levy your Assessments upon any day EXCEPT FRIDAY.

Advertise the ASSESSMENT NOTICE on the FIRST FOUR SATURDAYS succeeding the day upon which the assessment is levied.

Appoint the day for advertising the DELINQUENT SALE on the FIFTH SATURDAY succeeding the date of levying the assessment.

Appoint the DAY OF SALE on the SEVENTH SATURDAY succeeding the date of levying the assessment, or any day *previous* to the Eighth Saturday.

Assessments ordered upon Saturday afford the Secretary the longest term in which to effect his advertising at the mine.

Extracts from the Statutes.

The attention of companies who desire advertising their delinquent sales in any other paper than that in which the notice of assessment appears, is called to the following section of the law approved April 4th, 1864:

Section 7. If any portion of the assessment mentioned in said notice shall remain unpaid on the day specified therein for the publication of the notice of sale, the Secretary shall, *unless otherwise ordered by the Board of Trustees*, cause to be published in the same papers in which the notice provided for in section five shall have been published, a notice substantially as follows, &c.

If, from a matter of convenience or necessity, the publication of an assessment is delayed, a very simple remedy is found in the following section of the law, relating thereto:

Section 14. No assessment duly levied shall be rendered invalid by a failure to make proper publication of the notices hereinbefore provided for, nor by the non-performance of any act required to be performed in order to enforce the payment of the same; but in case of any substantial error or omission in the course of proceedings for collection, all previous proceedings, except the levying of the assessment, shall be void, and publication shall be begun anew

MINING COMPANIES and others connected with the Mining Interests of California, will find all possible desired information in the *Mining and Scientific Press* of San Francisco which is an ably edited Journal, smartly handled, and well up to the times. The Mining Companies of California, are awake to the advantages of having their Mining Notices, comprising Assessments, Dividends, Elections, &c., concentrated in the advertising columns of one Journal, as we notice in the issue of the *Press* of May 7th, there are no less than seven pages of this interesting matter.—*U. S. Mining Journal, Railroad and Financial Advertiser, New York.*

Mining Notices--Continued.

Ashland Mining Company, Moss Lode, San Francisco District, Arizona.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 16th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L G Redfield	5	100	50 00
L G Redfield	6	20	10 00
L G Redfield	7	20	10 00
L G Redfield	8	20	10 00
L G Redfield	9	20	10 00
L G Redfield	10	20	10 00
B H Cottle	11	100	50 00
W Cunningham	15	5	2 50
W Cunningham	16	5	2 50
F J Hughes	20	10	2 50
F J Hughes	21	10	5 00
J J Kelly	24	20	10 00
J M Drish	25	5	2 50
J H Davis	31	20	10 00
E Fairman	32	5	2 50
George Sinclair	33	5	2 50
H Hancock	36	5	2 50
Jno Wilson	53	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of November, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Edwards, McGrew & Olney, No. 626 Montgomery Street, on the 3d day of January, 1865, at the hour of 10 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. T. KNOX, Secretary.
Office, No. 613 Montgomery street. dec17-25

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable immediately, in United States gold and silver coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. A. HILL, Secretary,
Office, No. 418 Moutgomery Street, San Francisco, Cal.
dec3 23-4

Bay State Gold and Silver Mining Company, Turnback District, Tholumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 15th day of December, 1864, in United States gold and silver coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.
Office, S. E. Corner of Second and Howard streets, San Francisco. dec17-25-4

Bella Vista Gold and Silver Mining Company, Cacachillas District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 11th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R S Edgcomb	64 65 66	18	$11 70
John Shirley	134 135 136 137 138 139	54	35 10
J B Lynde	148	18	11 70
H L Chamberlain	125	36	23 40
J P Molt	45 116 47	18	11 70
Mrs J Collins	19	5	3 25
John Thomas	163	25	16 25
Thomas Evans	164	25	16 25
Godfrey Halzitt	169	10	6 50
S B Thompson	171	20	13 00
R R Strein	172	25	16 25
W A Dana 75 76 77 78 77		144	93 60

And in accordance with law and an order of the Board of Trustees, made on the 11th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 31st day of December, 1864, at the hour of 2 o'clock P. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. FULLER, Secretary.
Office, No. 325 Clay street, San Francisco. [dec17-21

Comstock Gold, Silver and Copper Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of December, 1864, an assessment of $2.50 per share was levied upon the capital stock of said company, payable immediately in United States gold and silver coin, to the Secretary, at room No. 9 Mercantile Library Building, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHAS. H. PLATT, Secretary.
Office, Room No. 9, Mercantile Library Building, N. E. cor. Bush and Montgomery sts., San Francisco. [dec10-24-4

Chandler Gold and Silver Mining Company, Location of Works—Lyon County, Nevada.

Notice.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, of 50 cents per share, the several amounts set opposite the names of the respective shareholders, as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
Jas E Freeman	4	40	$20 00
John Armitage	8	40	20 00
H S McElroy	13	40	20 00
A J Murray	14	40	20 00
A Warner	17	40	20 00
R Rowe	18	40	20 00
G Percival	19 25	80	40 00
Wm Curry and Jones	26	40	20 00
Ayers & Co.	27 30	40	20 00
R S Dunmont	31 34	40	20 00
M V B Stacy	35	2	1 00
L H Alan	39 42	20	10 00
G Sherwood	47 50	20	10 00
Wm H Boland	58	5	2 50
F P McCrea	66	40	20 00
T Drum	67	7	3 50
D Fulton	68	5	2 50
Wm Birch	69	1	50
S Wells	70	1	50
F Medina	76	2	1 00
H Christie	97 77	4	2 00
M Prendeville	78	1	50
T Warwick	80	4	2 00
J L Burns	82	5	2 50
R R Swain	1 84 85	120	60 00
Wm Haseltine	3 86 87	110	55 00
J S Meyer	7 88	80	40 00
J McChord	89	40	20 00
M Ahern	not issued	20	10 00
J P Barrett	90	20	10 00
F Hall	91	2	1 00
C L Place	96	40	20 00
J T Ryan	98 99	10	5 00
E S Rowe	100	40	20 00
S Tetlow	101	40	20 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said stock as may be necessary will be sold at public auction at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California on the 28th day of December, 1864, at the hour of 11 o'clock A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.
Office, 321 Montgomery street. 24

Notice.

THE Annual Meeting of the Stockholders of the Colorado Silver and Copper Mining Company (Arizona Territory), will be held at the Company's office, No. 528 Clay street, San Francisco, on Monday, December 26th, 1864, at 3 o'clock P. M., for the election of Trustees, and the transaction of any other business that may properly come before it.

21-4 H. W. MUDGE, Secretary

Notice.

All those having claims against the Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, California, are requested to send in their claims or bills on or before the 7th day of January, 1865, to the Secretary, as none will be accepted after that date, the company being in liquidation, and ready to dissolve on or about that date. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary
Office, Corner Post and Dupont street, San Francisco.

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, Nevada.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of December, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said company, payable on the 2d day of December, 1864, in United States gold and silver coin, to the Secretary, in San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 31st day of December, 1864, will be advertised on that day as delinquent, and unless payment, shall be made before, will be sold on Saturday, the 14th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary.

Office, No. 204 Front street, San Francisco, California.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is postponed until Saturday, the 7th day of January, 1865, and the sale thereof is postponed until Saturday, January, 21st, 1865. By order of the Board of Trustees. JOHN J. SCOTCHLER, Secretary.

dec10-24-4

Empress Gold and Silver Mining Company, Gold Hill Mining District, Storey Co., State of Nevada.

Notice is hereby given, that at a meeting of the Board o Trustees of said Company, held on the 25th day of November, 1864 an assessment of one dollar per share was levied upon the capital stock of said Company, payable on the 26th day of November, 1864, in United States gold or silver coin to the Secretary, at the office of said company, No. 510 Clay street, San Francisco.

Any stock upon which said assessment shall remain unpaid on the 30th day of December, 1864, will be advertised on Saturday, the 31st day of December, 1864, as delinquent, and unless payment shall be made before, will be sold on Tuesday, the 20th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

RALPH EMERSON, Secretary.

Office, No. 510 Clay Street. nov26-22-4

El Toro Gold and Silver Mining Company Concordia District, Pamuco, Sinaloa, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 2d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Bonney, George	90	7	$14 00
Boyd, J C	120	5	10 00
Boden, Penelope	127	8	10 00
Coltmurne, Richard	07	7	14 00
Dayley, J C	117	10	20 00
Farwell, W B	82	5	10 00
Farwell, W B	83	5	10 00
Farwell, W B	84	5	10 00
Fox, H L	32	5	10 00
Fox, H L	33	5	10 00
Fox, H L	34	5	10 00
Greer, John	92	8	16 00
Huckley, C E	86	7	14 00
Lammot, H D	35	5	10 00
Lammot, H D	36	5	10 00
Lammot, H D	37	5	10 00
Lawton, Franklin	115	25	50 00
Miller, J Frank	73	5	10 00
Miller, J Frank	74	5	10 00
Miller, J Frank	75	5	10 00
Miller, J Frank	108	7	14 00
Miller, J Frank	109	15	30 00
Struver, J	45	15	30 00
Selleck, Silas	20	15	30 00
Selleck, Silas	21	7	14 00
Silverthorn, W H	58	10	20 00
Silverthorn, W H	59	5	10 00
Soren, George S	41	2	4 00
Soren, George S	42	2	4 00
Soren, George S	43	2	4 00
Soren, George S	44	1	2 00
Schimp, J W	93	7	14 00
Tams, Sampson	38	5	10 00
Tams, Sampson	39	5	10 00
Tams, Sampson	40	5	10 00
Thrall, H H	85	8	16 00

And in accordance with law, and an order of the Board of Trustees made on the 10th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 31st day of December, 1864, at hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

FORD H. ROGERS, Secretary.

Office, No. 617½ Montgomery street, San Francisco, Cal.

Fortune Mining Company, Mineral Spring District, Calaveras County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.

Office, No. 622 Clay street, San Francisco. [dec10-24-4

George Washington Gold and Silver Mining Company, Silver Mountain, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 12th day of December, 1864, an assessment (No. 3) of 50 cents per share was levied upon the capital stock of said company, for the months of December and January, payable immediately to the Secretary, or to S. A. HAWKINS, Superintendent, at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 4th day of February, 1865, at the office of the company.

Assessment No. 4 of 50 cents per share, for the months of February and March, 1865, due and payable as above on the 13th day of February, 1865. Any stock upon which said assessment shall remain unpaid on the 11th day of March, 1865, will be advertised on that day as delinquent, and sold on the 25th day of March, 1865, at the office of the company. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street, San Francisco. 25

COPIES OF PATENT CLAIMS.—We will promptly furnish, for a moderate fee, a copy of the *claim* of any patent issued by the U. S. Patent Office since the year 1836, on receiving the full name of the patentee, nature of his invention, date of the patent, and address of the person desiring the information.

Keokuk Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of 10 cents per share was levied on the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin to the Secretary, at his office, No. 322 Front street.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 23d day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEGAR, Secretary.

Office, 322 Front street. dec10-24-4

La Libertad Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of December, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 14th day of December, 1864, in United States gold and silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the Saturday the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.

Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco. dec17-25-4

La Candelaria Mining Company, San Dimas, State of Durango, Mexico.

NOTICE.—There are delinquent, upon the following described Stock, on account of assessment levied on the 5th day of November, 1864, the several amounts set opposite the name of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
W C Root	48	25	$125 00
C J Mosely	16	25	125 00
A Powell, Jr	14	25	125 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No. 418 Montgomery street, on Saturday, the 24th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. dec10-24

McElroy Gold and Silver Mining Company, Location of Works—Lyon County, State of Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 26th day of October, 1864, of fifty cents per share, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Jas E Freeman	5	40	$20 00
John Armitago	9	40	20 00
H S McElroy	14	40	20 00
A J Murray	15	40	20 00
A Warner	18	40	20 00
R Rowe	19	40	20 00
G Percival	20 20	80	40 00
Wm Curry and D Jones	27	40	20 00
Ayers & Co	28 31	40	20 00
R S Dunmount	32 35	40	20 00
M V B Stacy	30	2	1 00
Chas Chandler	40	4	2 00
E Holt	41	2	1 00
H B Chandler	42	4	2 00
L H Allen	43 46	20	10 00
G Sherwood	47 50	20	10 00
Wm H Boland	57	5	2 50
E P McCrea	64	40	20 00
D Fulton	65	5	2 50
T Drumm	00	7	3 50
S Wells	08	2	1 00
H Christie	75	2	1 00
H Christie	94	2	1 00
Thos Warwick	76	4	2 00
M Prendeville	77	1	50
R R Swain	4 79 80	120	60 00
Wm Hascltine	3 81 82	110	55 00
J S Meyer	8 83	80	40 00
J McChord	85	40	20 00
M Aharu	not issued	20	10 00
J F Barrett	86	20	10 00
F Hall	87	2	1 00
S Blasdell	88	2	1 00
W Meeks	90	2	1 00
G L Place	93	40	20 00
J T Ryan	95 96	10	5 00
E S Rowe	97	40	20 00
S Tetlow	08	40	20 00
A B Wood	99	2	1 00

And in accordance with law, and an order of the Board of Trustees, made on the 26th day of October, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 28th day of December, 1864, at the hour of 11 o'clock, A. M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. S. MEYER, Secretary.

Office, No. 321 Montgomery st., San Francisco. 24

Mountain Gold and Silver Mining Company No. 1, Located at Silver Mountain, Alpine County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, at the office of the Company, Silver Mountain, an assessment of two dollar per share was levied upon the capital stock of said company, payable on or before the 3d day of January, 1865, in United States gold coin, to the Secretary, at his office, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Tuesday the 3d day of January, 1865, will be advertised on the 7th day of January, 1865, as delinquent, and unless payment shall be made before, will be sold on the 25th day of January, 1865, at the office of the company, in the town of Silver Mountain, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

DE WITT C. RIDDELL, Secretary.

N. B.—All Stockholders in the above named company are requested to send their address to the Secretary, at Silver Mountain, Alpine County. 25

ENLARGED.—The *Mining and Scientific Press*, of San Francisco, commenced its ninth volume to-day in an enlarged form. This valuable journal has been deservedly successful, and should have a large circulation among the mining community.—*Alpine Chronicle.*

Mechanics' Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of five cents per share was levied upon the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 322 Front street.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 23d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

A. B. WINEGAR, Secretary.

Office, No. 322 Front street, San Francisco. [dec10-24-4

Mammoth Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 12th day December, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, or to H. D. SCOTT, Superintendent at Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street (Room No. 5 up stairs), San Francisco. dec17-25-4

New Year Diggings Gold and Silver Quartz Mining Company, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately, in United States gold and silver coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of January, 1865, to pay the delinquent assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street, San Francisco. dec17-25-4

Oxford Beta Tunnel and Mining Company, Silver Hill, Esmeralda District, Nev.

NOTICE.—There are delinquent, upon the following described stock on account of assessment No. 9, levied on the 7th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L T Smith	183	5	2 50

And in accordance with law and an order of the Board of Trustees, made on the 7th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 28th day of December, 1864, at the hour of 11 o'clock, A. M., of said day to pay said delinquent Assessment thereon, together with costs of advertising and expenses of sale.

GEO. H. PECK, Secretary.

Office, Corner Broadway and Sansome streets, San Francisco, California. dec12-24-4

Pena Silver Mining Company, Location of Mine, Triunfo District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Kaull	3	33 1 3	$100
Wm Faulkner		13 1-3	40
J H Welch	150	26 2-3	80
Estate of J J Todd	10	16 2-3	50
C A Purrinton	11	16 2 3	50
R C Jacobs	32, 137	29 1 3	119
J J Corrigan	153	31	93
J F Dorland	89	8 1-3	25
F G Norman	92, 170	14 2 3	44
Chas E Browaell	118, 139, 140	15 2-3	47
Miss M A Philips	54, 55, 60		
	67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	10 2 3	50
Edson Sammis	87, 114	24 1 3	73
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1-3	25
J D Thompson	164	25	75
W J Leland	86, 94	5 1-2	16
Gilbert Palache	09, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1-3	7
P Van Pelt	104, 145	14	42
E S Cressy	110	8	24
Geo A Moore	111	3	9
D S Lord	90. 197	32	90
John Todd	165, 144	8 2-3	25
K G Mathews	132, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	130	8 1 3	25
S C Peck	123	4 1-0	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H E Mathews	117	1	3
Hugh McCorriston	160	1	3
Mrs P J Adams	107	3	9
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Rose Gold Mining Company, Mariposa County, California

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment (No. 2) of 25 cents per share was levied upon the capital stock of said Company, payable immediately Uni ed States gold and silver coin, to the Secretary, A. Buetell, No. 624 Market street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 25th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 621 Market street, and corner of California street, San Francisco. dec17-25-4

Rogers' Silver Mining Company, Flowery District, Storey County, State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 1st day of December, 1864, an assessment of two dollars per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, at his office, No. 103 California street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Thursday the 5th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold at public auction on Monday the 23d day of January, 1865, at 12 o'clock M. of that day, by John Middleton & Son, at No. 409 Montgomery street, San Francisco, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JNO. F. POPE, Secretary.

San Francisco, Dec. 3, 1864. 23-4

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 15th day of November, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
L P Brooks	5 18	200	$200 00
Jaques Veiller	19 34	200	200 00
John Sburboro	36 37	50	50 00
C Beck	39 40	200	200 00
James Hunter	not issued	200	200 00
James Phelan	not issued	200	200 00

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of December, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Edwards, McGrew & Olney, on the 31st day of December, 1864, at the hour of 11 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street. dec17-25

Tallulah Mining Company, Sierra District, Humboldt County, Nevada.

Notice.—There are delinquent upon the following described Stock on account of Assessment levied on the 5th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
A P Stanford	69	53	$132 50
S Heydenfeldt	89	10	25 00
S Heydenfeldt	100	10	25 00
S Heydenfeldt	107	10	25 00
S Heydenfeldt	108	10	25 00
S Heydenfeldt	109	10	25 00
S Heydenfeldt	110	10	25 00
S Heydenfeldt	111	3	7 50
B Monroe	98	5	12 50
B Monroe	100	10	25 00
B Monroe	121	10	25 00
B Monroe	125	3	7 50
B Monroe	120	2	5 00
B Monroe	127	5	12 50
B Monroe	128	5	12 50
B Monroe	129	5	12 00
B Monroe	130	5	12 50
B Monroe	131	5	12 50
B Monroe	122	5	12 50
H P Briscoe	49	10	25 00
I A Dun	130	30	75 00
Geo Eidenmiller	104	13	32 50
J M P Fessenden	75	5	12 50
David A Bagley	105	10	25 00
J B Fargo	120	5	12 50
L R Dyer	certif not issued	0	15 00

And in accordance with law, and an order of the Board of Trustees, made on the 5th day of November, 1864, so many Shares of each parcel of said stock as may be necessary, will be sold, at the office of the Company, No 418 Montgomery street, on Saturday, the 24th day of December, 1864, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEORGE A. HILL, Secretary.

Office, No. 418 Montgomery street, San Francisco, California. 24

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given that the Annual Meeting of the above named Company will be held on Monday, December 26th, at 2 o'clock P. M., at the office of the Secretary, Nos. 8 & 10 Government House, corner of Sansome and Washington streets, San Francisco, Cal.

22-5 J. M. BUFFINGTON, Secretary.

[The mining community begin to appreciate our reasonable rates of advertising, and are turning their patronage to the journal most properly entitled to receive it. The advantage to shareholders of having all mining notices concentrated in one mining journal, is obvious to all, and our terms have been established with a view to effect such a consolidation; and most companies having an object for publishing in any other particular paper, can consequently afford to have their notices appear in our journal also.—EDS. PRESS.

Worth Considering.—Advertising has proved the medium of success to many of the most prominent business men of the world. Merchants, Inventors, Builders, Patentees, Manufacturers, Foundrymen, Machinists, and, in fact, all who wish to call the particular attention of the Mining, Professional, Mechanical and Industrial members of the community to their business, should not fail to advertise in the MINING AND SCIENTIFIC PRESS. The circulation of the paper is extensive, and has a wide range, reaching the most intelligent readers in every mining settlement of importance on the coast. A large number of copies are also sent East. Our terms are reasonable. "Live and help live" we believe o be a sensible motto.

Postponements and Alterations.—Secretaries are requested to give notice of postponements, or alteration, which they may desire made in their advertisements, at their earliest convenience. New advertisements should be sent in as early as possible.

DEWEY & CO., Publishers.

Office, 11 Government House, corner Washington and Sansome street, San Francisco.

MINING SHAREHOLDERS' DIRECTORY.

List of Notices of Meetings, Assessments and Delinquent Sales.

Comprising the Names of Companies, District or County of Location, Amount of Assessment; Date of Meeting, Delinquent Advertisement and Sale, and the Place of Business of the Corporation if it is not in San Francisco.

REVISED EVERY ISSUE.

Advertised in the Mining and Scientific Press AND OTHER SAN FRANCISCO JOURNALS*.

NAME AND LOCATION.	AM'T OF ASSESSMENT.	DAY ADV'G DELINQ'T LIST.	DAY OF SALE.
Animas, San Dimas, $1		Jan 7	Jan 21*
Ashland, Arizona, 50c		Dec 17	Jan 3*
Antelope, Esmeralda, $25		Dec 6	Dec 26
Arroyo de los Gatos, 10c		Dec 10	Jan 10
Adriatic, Flowery, $1		Dec 10	Jan 5
Arbitrios, Chihuahua, $2		Dec 10	Dec 24
Alemania, San Antonio, $1		Dec 9	Jan 3
Asbland, Virginia, $1		Dec 26	Jan 6
Argentoro, R. R. 50c		Jan 7	Jan 21
Adriatic	Annual Meeting	Jan 9	
Bay State, Tuolumne, 50c		Jan 14	Jan 28*
Bella Vista, Cacachillas, 65c		Dec 17	Dec 31*
Baltic, Virginia, $10		Sale Dec 17	Virginia
Boston Copper, El Dorado co., 50c		Jan 6	Jan 24
Burlington, Napa, 50c		Dec 12	Dec 25
Bee, R. R., $2		Jan 10	Jan 23
Buckeye, Devil's Gate, $2½		Jan 18	Jan 28
Black Rock Ledge, R. R., $3		Dec 26	Jan 10
Big Blue Lead, Cove, $2		Dec 6	Jan 10
Dodie Bluff Cons., 50c		Jan 18	Feb 4
Butte, Humboldt, $1		Jan 21	Feb 6
Black Ledge, R. R., 50c		Jan 18	Jan 30
Comstock, San Antonio, $2.50		Jan 14	Jan 28*
Colorado, Arizona	Annual Meeting	Dec 26*	
Crown Point Ravine, G. H., $2		Dec 24	Jan 7*
Capitola, Santa Clara, 25c		Jan 3	Jan 18
Columbia, Tuolumne, $2		Dec 17	Dec 28
Chandler, Lyon co., 50c		Nov 25	Dec 28*
Cosmopolitan, Gopher, 50c		Dec 26	Jan 17
Crown Lead, Mariposa, $1		Dec 19	Dec 31
Cinco Senores, Mexico, $2		Dec 21	Jan 9
Cordillera, Chihuahua, $1		Dec 14	Dec 24
Cortez, Lander co., $1		Dec 30	Jan 18
Colc, Virginia, $1		Dec 24	Jan 9
Caldwell, Cove, $2		Dec 28	Jan 12
California Cop. Smelting, Contra Costa, 50c		Jan 11	Jan 21
Central Silver, Virginia	Annual Meeting	Jan 3	
Chimawavo, Colorado, 12c		Jan 16	Jan 29
Crockett Cons., Esmeralda, $1½		Jan 18	Jan 31
Crockett Cons	Annual Meeting	Jan 4	
Catalina Cons, San Pedro, 10c		Jan 14	Jan 28
Cosala, Sinaloa, $1		Jan 21	Feb 1
Daniel Webster, Sacramento, 15c		Jan 7	Jan 21*
Daney, Lyon co., $2		Dec 8	Dec 27
Durant, Nye Co., $1.60		Dec 27	Jan 14
Dios Padre, Sonora, $3		Jan 13	Jan 25
De Soto, Star, $2½		Jan 14	Feb 1
De Soto	Annual Meeting	Jan 2	
Dacota, R. R., $1.50		Jan 24	Feb 10
Empress, Gold Hill, $1		Dec 30	Jan 20*
El Toro, Sinaloa, $2		Dec 17	Dec 31*
El Taste, Mexico, $2.50		Dec 18	Dec 30
El Partcuto, Guerrero, $1.20		Jan 3	Jan 13
El Portento	Annual Meeting	Jan 9	
El Dorado, Virginia	Annual Meeting	Jan 4	
El Alamo de San Antonio, 1$		Jan 3	Jan 17
El Tesoro, La Paz, $1		Jan 21	Feb 2
Fortune, Mineral Spring, 50c		Jan 7	Jan 21*
Fork, Calaveras, 25c		Dec 10	Dec 26
Franco Americana, San Antonia, $1		Jan 14	Jan 28
George Washington No. 1, Silver Mt., $2.50		Jan 21	Feb 4*
Gobernadora, Lower Cal., $2		Jan 21	Feb 4*
Green, Gold Hill, $1		Dec 16	Dec 31
Gold Rock, Calaveras co.,	Annual Meeting	Jan 6	
Gold Hill Tunneling, $1		Dec 31	Jan 17
Gold Rock, Calaveras, 50c		Jan 9	Jan 24
Guasaparla, Mexico, $2		Jan 19	Feb 8
Hudson River, Amador co	Annual Meeting	Jan 12*	
Hale & Norcross, Virginia, $25		Dec 10	Dec 28
Humboldt Canal, Humboldt co., $3		Jan 3	Jan 21
Harmon, El Dorado co., $1		Jan 9	Jan 21
Hawley, Devil's Cate	Annual Meeting	Jan 2	
I X L, Alpine co., $3		Dec 2	Dec 29
Josephine, Coso, $1		Dec 21	Jan 5
Jewel, D O., $1.50		Dec 27	Jan 9
Keokuk, Clayton, 10c		Jan 7	Jan 23*
Kentucky Copper, Madame Felix, 50c		Jan 18	Feb 7
Kern River, Cove, $1		Dec 28	Jan 12
Kohler Brothers, San Antonio, 50c		Jan 13	Jan 26
La Libertad, Cacachillas, 25c		Jan 14	Jan 28*
La Candelaria, San Dimas, $5		Dec 10	Dec 24*
La Fernandez, Hermosillo, Mexico, $3		Jan 13	Jan 23
La Blanca, Urcs, $2.50		Jan 13	Jan 25
Lady Bell, Low Divide, 10c		Dec 19	Dec 30
Lotus, Gopher, 26c		Dec 23	Jan 7
La Candelaria	Annual Meeting	Dec 31	
London Quartz	Annual Meeting	Jan 2	
Mosquito Quartz, Calaveras, $5		Jan 21	Feb 6*
Mountain, Silver Mountain, $2		Jan 7	Jan 15*
Mammoth, Silver Mountain, 50c		Jan 14	Jan 28*
Mechanics, Clayton, 5c		Jan 7	Jan 23*
McElroy, Lyon co., 50c		Nov 25	Dec 28*
Mammoth, Rock Spring, 60c		Dec 24	Jan 9*
Monster Cons., 60c		Dec 24	Jan 6
Mina Rica de Las Flores, Calaveras co., $1		Jan 17	Feb 6
Morning Star, Alpine, 50c		Jan 9	Jan 20
Mammoth Ledge, Del Norte		Sale Jan 2	
Mammoth Ledge	Annual Meeting	Jan 16	
Mineral Hill, Mono, $1		Jan 21	Feb 6
North Superior, Plumas, 40c		Jan 21	Feb 4*
New Year Diggings, Tuolumne, 50c		Jan 14	Jan 28*
New Era, Cop., Tuolumne co., 25c		Dec 24	Jan 7*
Nuestra Senora de Guadaloupe, Durango, 50c		Jan 14	Feb 1
Nevada Coal, Humboldt, $1		Jan 17	Jan 28
Napoleon Copper	Annual Meeting	Jan 9	
Nonpariel, Tuolumne, $5		Dec 24	Jan 9
Nevada, J. O., $10		Sale Dec 30	Virginia
New Year's Diggings, Tuolumne co.	Special Meeting	Dec 28	
Nacosari, Sonora	Annual Meeting	Jan 3	
Oxford Beta, Esmeralda, 50c		Dec 10	Dec 28*
Overman, $50		Levied Nov 19	Gold Hill
Owens River Inyo, $3		Jan 11	Jan 28
Pena Silver, Lower California, $3		Aug 20	Jan 31*
Patrocinia & Dolores, Chihuahua, $1		Jan 13	Jan 25
Pioneer M. & M., R. R., $3		Dec 26	Jan 10
Point Arena Petroleum, 50c		Dec 26	Jan 7
Plumbago	Annual Meeting	Jan 2	
Peninsula, San Antonio, $10		Jan 17	Jan 3
Peninsula	Annual Meeting	Jan 3	
Planet, Arizona, $1		Jan 12	Jan 25
Rubicon, Nos. 1, 2, 3, 4	Annual Meeting	Jan 2*	
Rose, Mariposa, 25c		Jan 13	Jan 25*
Roger's, Flowery, $2		Jan 5	Jan 23
Ruba, R. R., $1		Dec 24	Jan 9*
Real del Monte, Esmeralda		Sale Dec 26	
Roxby, G. H., 50c		Jan 6	Jan 19
Roxby	Annual Meeting	Dec 27	
Real del Minas, Lander co., $1		Jan 6	Jan 18
Rayas, Ventanas, 50c		Jan 21	Feb 2
Rhodes Diggings, $1		Jan 19	Feb 2
Rochester Cons., Slate Range, $1		Dec 14	Dec 30
St. Paul, Lander co., 50c		Jan 21	Feb 4*
St. Clair Cons., R. R., $1		Dec 17	Dec 31*
Silver Prize, Silver Mountain, 15c		Dec 17	Dec 31*
Smoky Valley, Lander co., $1.50		Dec 24	Jan 7
Silver Circle, R. R., $2		Dec 22	Jan 7
San Lorenzo, Santa Cruz, 50c		Dec 17	Jan 2
Sierra Valley, Plumas co., $1		Dec 14	Dec 24
Southern Light, R. R., 50c		Jan 2	Jan 15
Shcba, $15		Dec 29	Jan 14
San Nicolas, Durango, $2		Dec 27	Jan 10
Shoshone, Lander co., 50c		Dec 28	Jan 12
Sonoma Ledge, R. R., $1		Jan 4	Jan 19
San Francisco, Moss Ledge, $1		Dec 17	Dec 29
Smith & Martin, R. R., $5		Jan 9	Jan 19
Sierra Cons., 20c		Jan 14	Jan 30
Siskiyou, 50c		Jan 12	Jan 14
Sigel	Annual Meeting	Jan 9	
Succor	Annual Meeting	Jan 3	
Superior, Clayton	Annual Meeting	Jan 21	
Santa Rosa des Ures' Sonora, 50c		Jan 25	Feb 3
Sierra Plata, Chihuahua, $3		Jan 18	Feb 2
Sierra Silver, Genoa, $2		Jan 19	Feb 6
Tallulah, Sierra, $2.50		Dec 10	Dec 24*
Tuscaran, R. R., 50c		Dec 17	Jan 5
Trinadad & San Jose, Sinolon, $10		Dec 26	Jan 15
Tschattacup, Arizona, 12c		Jan 3	Jan 23
Toledana, Mariposa, 25c		Dec 15	Dec 26
Triunfo, Lower California, $2		Jan 12	Jan 24
Troy, R. R., $2		Jan 13	Jan 26
United States, Virginia, $1		Dec 24	Jan 7*
United States	Annual Meeting	Dec 26*	
Utah, $12.50		Dec 11	Dec 29
Uncle Sam, $60		Jan 24	Feb 11
Uncle Sam	Annual Meeting	Dec 19	
Wilson, Garden Bar, 50c		Jan 21	Feb 4*
Whitlatch, R. R., $5		Dec 16	Dec 23
Wide West, Esmeralda, $5		Dec 23	Jan 9
Weaver, Sonora, Mexico, $1.50		Jan 8	Jan 19
Washington, R. R., 50c		Jan 18	Feb 2
Yuba, $2		Dec 28	Jan 11

*Those marked with an asterisk (*) are advertised in this journal.

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A Journal of Useful Arts, Science, and Mining and Mechanical Progress.

DEWEY & CO., PUBLISHERS, And Patent Solicitors. | SAN FRANCISCO, SATURDAY, DECEMBER 31, 1864. | VOLUME IX. Number 27.

Our Readers

Will bear in mind that the present issue of the Mining and Scientific Press is a gratuitous number annexed to Volume IX, in order that our new volume may commence with the first week in January. News dealers will also take notice of this fact.

Index to Volume IX.

An index to our present Volume will be found on the two last pages of this issue. It has cost us much labor, but will prove of great value to the many readers who preserve our paper.

Our Next Issue.

Our patrons may expect an excellent number of the Press next week.

MINING SHAREHOLDERS' DIRECTORY.

NAME AND LOCATION.	AM'T OF ASSESSMENT.	DAY ADV'G DELING'T LIST.	DAY OF SALE.
Animas, San Diuns, $1			Jan 7—Jan 21*
Ashland, Arizona, 50c			Dec 17—Jan 3*
Arroyo de los Gatos, 10c			Dec 10—Jan 10
Adriatic, Flowery, $1			Dec 10—Jan 5
Alemania, San Antonio, $1			Dec 9—Jan 3
Ashland, Virginia, $1			Dec 26—Jan 6
Argentoro, R. R. 50c			Jan 7—Jan 21
Adriatic			Annual Meeting Jan 9
Alameda Coal, $1			Jan 25—Feb 11
Bay State, Tuolumne, 50c			Jan 14—Jan 28*
Bella Vista, Cacachillas, 65c			Dec 17—Dec 31*
Boston Copper, El Dorado co., 50c			Jan 6—Jan 24
Bee, R. R., $2			Jan 19—Jan 23
Buckeye, Devil's Gate, $2½			Jan 18—Jan 28
Buckeye			Annual Meeting Jan 11
Black Rock Ledge, R. R., $3			Dec 26—Jan 10
Big Blue Lead, Cove, $2			Dec 5—Jan 10
Bodie Bluff Cons., 50c			Jan 18—Feb 4
Butte, Humboldt, $1			Jan 21—Feb 6
Black Ledge, R. R., 50c			Jan 18—Jan 30
Best & Belcher, Virginia, $2.50			Jan 27—Feb 11
Barreteros, Sinaloa, $5			Jan 28—Feb 10
Baltimore American, Gold Hill, $1			Feb 4—Feb 18
Comstock, San Antonio, $2.50			Jan 14—Jan 28*
Crown Point Ravine, G. H., $2			Dec 24—Jan 7*
Capitola, Santa Clara, 25c			Jan 3—Jan 18
Columbia, Tuolumne, $2			Dec 17—Dec 28
Cosmopolitan, Copper, 50c			Dec 26—Jan 17
Crown Lead, Mariposa, $1			Dec 19—Dec 31
Chico Senores, Mexico, $2			Dec 21—Jan 9
Cortez, Lander co., $1			Dec 30—Jan 18
Cole, Virginia, $1			Dec 24—Jan 9
Caldwell, Cove, $2			Dec 28—Jan 12
California Cop. Smelting, Contra Costa, 50c			Jan 11—Jan 21
Central Silver, Virginia			Annual Meeting Jan 3
Chimawavo, Colorado, 12c			Jan 16—Jan 29
Crockett Cons., Esmeralda, $1½			Jan 12—Jan 31
Crockett Cons.			Annual Meeting Jan 4
Catalina Cons, San Pedro, 10c			Jan 14—Jan 28
Cosala, Sinaloa, $1			Jan 21—Feb 1
Caledonia Tunnel, O. H., $4			Jan 28—Feb 15
Chilpanepa, Sonora			Annual Meeting Jan 9
Daniel Webster, Sacramento, 15c			Jan 7—Jan 21*
Durant, Nye Co., $1.50			Dec 27—Jan 14
Dios Padre, Sonora, $3			Jan 13—Jan 25
De Soto, Star, $2½			Jan 14—Feb 1
De Soto			Annual Meeting Jan 2
Dacota, R. R., $1.50			Jan 24—Feb 10
Evening Star, Humboldt co., $1.50			Jan 28—Feb 11*
Empress, Gold Hill, $1			Dec 30—Jan 20*
El Toro, Sinaloa, $2			Dec 17—Dec 31*
El Partento, Guerrero, $1.20			Jan 3—Jan 13
Di Portento			Annual Meeting Jan 9
El Dorado, Virginia			Annual Meeting Jan 4
El Alamo de San Antonio, 15			Jan 3—Jan 17
El Tesoro, La Paz, $1			Jan 21—Feb 2
Fortune, Mineral Spring, 50c			Jan 7—Jan 21*
Franco Americana, San Antonia, $1			Jan 14—Jan 28
George Washington No. 1, Silver Mt., $2.50			Jan 21—Feb 4*
Gobernadora, Lower Cal., $2			Jan 24—Feb 4*
Green, Gold Hill, $1			Dec 16—Dec 31
Gold Rock, Calaveras co.,			Annual Meeting Jan 6
Gold Hill Tunnelling, $1			Dec 31—Jan 14
Gold Rock, Calaveras, 50c			Jan 9—Jan 24
Guasaparis, Mexico, $2			Jan 19—Feb 8
Great Western Copper, 30c			Sale Jan 4
Hudson River, Azuador co.			Annual Meeting Jan 12*
Hale & Norcross, Virginia, $25			Jan 30—Feb 15
Humboldt Canal, Humboldt co., $3			Jan 3—Jan 21
Harmon, El Dorado co., $1			Jan 9—Jan 21
Hawley, Devil's Gate			Annual Meeting Jan 2
Josephine, Coso, $1			Dec 21—Jan 5
Jewel, D G., $1.50			Dec 27—Jan 9
Imperatrice Eugenia, Calaveras, 20c			Jan 30—Feb 18
Keokuk, Clayton, 10c			Jan 7—Jan 23*
Kentucky Copper, Madame Felix, 50c			Jan 18—Feb 7
Kern River, Cove, $1			Dec 28—Jan 12
Kohler Brothers, San Antonio, 50c			Jan 13—Jan 26
La Libertad, Cacachillas, 25c			Jan 14—Jan 28*
La Fernandez, Hermosillo, Mexico, $3			Jan 13—Jan 23
La Blanca, Ures, $2.50			Jan 13—Jan 25
Lotus, Copper, 26c			Dec 23—Jan 7
La Candelaria			Annual Meeting Dec 31
London Quartz			Annual Meeting Jan 2
Lucerne			Annual Meeting Jan 9
La Cruzecitas			Adjourned Meeting Jan 6
Las Chureas, $50			Jan 28—Feb 11
Mosquito Quartz, Calaveras, $5			Jan 21—Feb 6*
Mountain, Silver Monutain, $2			Jan 7—Jan 15*
Mammoth, Silver Monutain, 50c			Jan 14—Jan 28*
Mechanics, Clayton, 5c			Jan 7—Jan 23*
Mammoth, Rock Spring, 60c			Dec 24—Jan 9*
Monster Cons., 60c			Jan 5—Jan 16
Mina Prieta, Sonora, $10			Jan 21—Feb 6
Mina Rica de Las Flores, Calaveras co., $1			Jan 17—Feb 6
Morning Star, Alpine, 50c			Jan 9—Jan 20
Mammoth Ledge, Del Norte			Sale Jan 2
Mammoth Ledge			Annual Meeting Jan 16
Mineral Hill, Mono, $1			Jan 21—Feb 6
North Superior, Plumas, 40c			Jan 21—Feb 4*
New Year Diggings, Tuolumne, 50c			Jan 14—Jan 28*
New Era, Cop., Tuolumne co., 25c			Dec 24—Jan 7*
Nuestra Senora do Guadaloupe, Durango, 50c			Jan 14—Feb 1
Nevada Coal, Humboldt, $1			Jan 17—Jan 28
Napoleon Copper			Annual Meeting Jan 9
Nonpariel, Tuolumne, $5			Dec 24—Jan 9
Nacosari, Sonora			Annual Meeting Jan 3
Nevada, J O., $15			Levied Dec 19
Overman, $50			Sale Jan 19—Gold Hill
Owens River Inyo, $3			Jan 11—Jan 28
Pena Silver, Lower California, $3			Aug 20—Jan 31*
Patrocinia & Dolores, Chihuahua, $1			Jan 13—Jan 25
Pioneer M. & M., R. R., $3			Dec 26—Jan 10
Point Arena Petroleum, 50c			Dec 26—Jan 7
Plumbago			Annual Meeting Jan 2
Peninsula, San Antonio, $10			Jan 17—Jan 30
Peninsula			Annual Meeting Jan 3
Planet, Arizona, $1			Jan 12—Jan 25
Rubicon, Nos. 1, 2, 3,4			Annual Meeting Jan 2*
Rose, Mariposa, 25c			Jan 13—Jan 25*
Roger's, Flowery, $2			Jan 5—Jan 23
Ruba, R. R., $1			Dec 24—Jan 9*
Real del Monte, Esmeralda			Sale Jan 9
Roxby, G. H., 50c			Jan 6—Jan 19
Real del Minas, Lander co., $1			Jan 6—Jan 18
Rayas, Ventanas, 50c			Jan 21—Feb 2
Rhodes Diggings, $1			Jan 19—Feb 2
Santa Cruz, Petrolcum, 15c			Jan 28—Feb 15*
St. Paul, Lander co., 50c			Jan 21—Feb 4*
St. Clair Cons., R. R., $1			Dec 17—Dec 31*
Silver Prize, Silver Mountain, 15c			Dec 17—Dec 31*
Smoky Valley, Lander co., $1.50			Dec 24—Jan 7
Silver Circle, R. R., $2			Dec 22—Jan 7
San Lorenzo, Santa Cruz, 50c			Dec 17—Jan 2
Sierra Valley, Plumas co., $1			Jan 7—Jan—
Southern Light, R. R., 50c			Jan 2—Jan 15
Sheba, $15			Dec 29—Jan 14
San Nicolas, Durango, $2			Dec 27—Jan 10
Shoshone, Lander co., 50c			Dec 28—Jan 12
Sonoma Ledge, R. R., $1			Jan 4—Jan 19
Smith & Martin, R. R., $5			Jan 9—Jan 19
Sierra Cons., 20c			Jan 14—Jan 30
Siskiyou, 50c			Jan 12—Jan 14
Sigel			Annual Meeting Jan 9
Succor			Annual Meeting Jan 3
Superior, Clayton			Annual Meeting Jan 21
Santa Rosa des Ures' Sonora, 50c			Jan 25—Feb 8
Sierra Plata, Chihuahua, $3			Jan 18—Feb 2
Sierra Silver, Genoa, $2			Jan 19—Feb 6
St. Louis			Annual Meeting Jan 14
Siempre Viva, Sinaloa $2.50			Feb 1—Feb 18
Sierra Nevada			Annual Meeting Jan 9
Tuscarau, R. R., 50c			Dec 17—Jan 5
Trinadad & San Jose, Sinoloa, $10			Dec 26—Jan 15
Techatlacup, Arizona, 12c			Jan 13—Feb 2
Triunfo, Lower California, $2			Jan 12—Jan 24
Troy, R. R., $2			Jan 13—Jan 25
Table Mountain Copper, Calaveras			Special Meeting Feb 4
United States, Virginia, $1			Dec 24—Jan 7*
Utah, $12.50			Dec 11—Jan 9
Uncle Sam, $60			Jan 24—Feb 11
Wilson, Garden Bar, 50c			Jan 21—Feb 4*
Whitlatch, R. R., $5			Jan 30—Feb 12
Weaver, $ 1.50			Jan 8—Jan 11
Washington, R. R., 50c			Jan 18—Feb 9
Wide West, Esmeralda, $5			Dec 23—Jan 9
Weaver, Sonora, Mexico, $1.50			Jan 8—Jan 19
Washington, R. R., 50c			Jan 18—Feb 2
Yo Semite, Oro Fino			Sale Jan 23
Yuba, $2			Dec 28—Jan 11

*Those marked with an asterisk (*) are advertised in this journal.

The Findings of the Court in the Case of "Varney vs. Wheeler."

In the Circuit Court of the United States in and for the Northern District of California.

Thomas Varney, plaintiff, vs. William H Howland et als., defendants. } Findings of the Court.

In this cause the Court finds the following facts:

1st. That the patent on which this action was brought was duly issued by the Government of the United States, through its proper authorities, to the plaintiff, on the 16th day of December, 1862; that the said patent was applied for on the 15th day of September, 1862, and that preliminary steps to obtain said patent, were taken about the 21st day of June, 1862.

2d. The invention of a muller provided with slots, or recesses, and copper-plates, is not new, and is expressly disclaimed by the said plaintiff.

3d. That a patent for a machine, claimed to be an infringement of the above mentioned patent, issued to the plaintiff, was duly issued to the defendant, Zenas Wheeler, by the United States Government, through its proper authorities, on the 8th day of December, 1863, and that preliminary steps to obtain said patent were taken by said Wheeler in the month of May, of the year 1862.

4th. That the machine of said Wheeler claimed to be an infringement of the rights secured to the plaintiff by his said patent, is constructed according to said Wheeler's patent; that in the construction of said machine the following things, among others, are used—viz: a rotary muller, with a central opening; a deep pan (in which said muller revolves horizontally), the bottom of the pan serving as the stationary muller or bed-plate; and curved guide-plates, four (more or less) above the rotary muller, but not coming down to its upper surface. Further, as to its construction, the Court finds that on the periphery of the rotary muller are placed fixed spiral ribs, and reversedly spiral ribs on the inner side of the pan, fixed just above the bottom of the pan, the said ribs being placed at equal and suitable distances apart, and extending entirely around the periphery of the muller and the inner side of the pan. On the underside of the rotary muller are curved grooves or recesses, and on the bottom of the pan are reversedly curved grooves to those on the underside of the muller. The rotary muller is connected with an upright shaft by an universal joint, composed of a yoke resting on said shaft, and a ring, provided with a journal, at four equi-distant points around the periphery of said ring—two of said journals working in bearings on the lower end of the said yoke, and the other two of said journals working in boxes attached to the upper side of the rotary muller. The said curved guide plates are attached at their outer ends in slides on the inner side of the pan, and at their inner ends in a frame, which frame is supported on the upper end of the shaft above mentioned, and by means of a vertical screw passing through the top of the frame and resting on the upper end of the shaft. The said guide-plates may be raised and depressed, so as to follow any adjustment of the muller, and have the same relation to it whether in its highest or lowest working position.

5th. That the use, as in the said plaintiff's patented machine, of mullers provided with slots or recesses in a pan or tub, the upper muller provided with central openings and rotating upon the lower one, which is stationary, so as to create, when the machine is in operation, a circulation of the pulp, is not a new device; but that a device substantially the same has been used before the discovery as claimed by plaintiff; that it was used near the town of Goldville, in the county of Tallapoosa, State of Alabama, in the year 1845; that a machine substantially similar is described in a "Treatise on Metallurgy, &c., &c.," by Frederick Overman, at pages 266 and 267 of said treatise, before the date of plaintiff's alleged invention; and that said Treatise on Metallurgy is a public work, published in the city of New York, in the State of the same name, in the year 1852.

6th. That the covered or close pan specified in the patent of the plaintiff has not been used, or made, or sold by defendants, or either of them, since the date of plaintiff's patent, or at any time prior to the date of said patent, except as stated in a subsequent finding, numbered 14.

7th. That the curved plates used in the machine of said Wheeler are substantially different from the curved plates, or scrapers, patented by plaintiff, in their form, structure, arrangement, mode of operation, and the use for which they are intended and employed.

8th. That the curved or spiral plates of plaintiff's patented machine are scrapers of the upper surface of the rotary muller, and were intended so to be, while the curved plates of Wheeler's machine and patent are not scrapers of the upper surface of the rotary muller, and were not intended so to be; but were intended, and are used in the machine of said Wheeler, to prevent the pulp or ore from being thrown out of the pan by the centrifugal force generated by the rotation of the muller; to counteract the centrifugal force, and to cause the pulp or ore to pass toward the center of the muller and down through the central opening in said muller, to be again thrown outward between the rotary muller and the bottom of the pan or bed plate.

9th. That the curved or spiral plates in plaintiff's patented machine do not extend beyond the periphery of the upper muller, while the curved plates of Wheeler's machine and patent extend beyond the periphery of the upper muller to the side of the pan or tub; that the said curved plates in Wheeler's patent and machine are fastened in grooves, or slides, on the inner side of the pan, while in the said machine of plaintiff they extend from a ring, which encompasses a tube, in the center of the upper muller to periphery of the upper muller, as above stated—one end of each of said plates being attached to said ring, and they are supported near their outer ends by vertical rods extending down from the upper part or cover of the pan, and without any means of raising them from the upper surface of the rotary muller, or preventing them from coming down to said upper surface.

10th. That the curved plates of Wheeler's machine and patent are wider than the scrapers of Varney's patented machine. In the latter, they rest on the upper surface of the rotary muller, while in the former the said curved plates are fixed to a frame supported on the upper end of a shaft, and by means of a vertical screw passing through the top of said frame and resting on the upper end of the said shaft, the said plates may be raised or depressed, so as to follow any adjustment of the rotary muller, and bear the same relation to it, whether in its highest or lowest working position, but are not extended down so as to come in contact with the upper surface of the said muller in the use of the said machine of said Wheeler.

11th. That prior to the application of plaintiff for, or any preliminary steps taken by said plaintiff to obtain his said patent, the plaintiff entered into an arrangement with the defendants (Howland, Palmer, King and Angell,) for the manufacture, sale, and bringing into general use, the said machine, afterwards patented to the plaintiff.

12th. That a considerable number of said machines, for which the said patent was afterwards obtained by plaintiff, was under the said arrangement made and sold by the defendants (Howland, Palmer, King and Angell), on orders obtained by them, or by plaintiff, from persons desirous to obtain said machines; that the plaintiff received therefor under said arrangement from the said defendants considerable sums of money, being the proportion

agreed on of the purchase money of the pans sold; that such pans or machines were made and sold, and such use of the said plaintiff's invention permitted by him, the said plaintiff, prior to the application for his said patent.

13th. That plaintiff's claim of that part of his patent not new (see finding of facts No. 5,) was made through mistake, and without any willful default or attempt to mislead the public.

14th. That the said patented machine of plaintiff has not been made, or used, or sold by the defendants, or by either of them, since the 16th day of December, 1862; nor has any imitation of said machine been made, or used, or sold, since the 16th day of December, 1862, by the said defendants, or by either of them.

The Court further find the following conclusions of law:

1st. That the claim of plaintiff is for an improvement in amalgamators for gold and silver, and consists in the employment or use of a rotary muller, or an equivalent bed plate, arranged within a pan or tub, which is covered or closed, and so arranged that when the device is in operation the pulp will pass in a continuous stream outward from the center, and between the mullers to the circumference of the same, and thence outward over the upper and rotating muller to the center of the same, and down through the openings in the center of said rotary muller, between it and the stationary one below, to be again thrown to the periphery of the rotary muller, by which means all the particles of the pulp are brought in contact with the quicksilver in the pan or tub, or with amalgamated plates, to be attached to the muller or mullers. The pan above mentioned is covered or closed, and consists of two parts, of about equal dimensions, provided at their contiguous edges with flanges, through which they are belted together when the device is used as an amalgamator of ores of gold and silver. The said claim of plaintiff also includes, as his invention, curved or spiral plates to serve as scrapers, and so arranged as to scrape the upper surface of the rotary muller, to prevent all heavy substance in the pulp from lodging on said rotary muller, and to ensure the passage or movement of such heavy substances along with the current.

The letters patent issued to said plaintiff embrace: 1st. The use or employment of the rotating muller above mentioned, arranged within a pan or tub, with a stationary muller, or an equivalent bed-plate. 2d. The covered or close pan, above described in this finding, composed of two parts, of about equal dimensions, to be connected together when used as an ore amalgamating device. 3d. Curved plates or scrapers, arranged to operate in connection with the rotary muller, as above described in this finding. The plaintiff does not claim, unqualifiedly and broadly (but expressly disclaims), a muller provided with slots or recesses and upper plates, and the letters patent do not include it.

2d. The aforesaid patent of plaintiff, so far as it claims the use of a rotating muller provided with central openings, arranged within a pan or tub, with a stationary muller or bed plate underneath the rotary muller being old, is not valid.

3d. That the patent of said plaintiff, is not for a mere combination, but is for an improved machine incorporating several distinct improvements.

4th. That the patent of plaintiff is valid for such improvement on new inventions as he has clearly described in his specification, notwithstanding that he has also claimed to be the inventor of the other part not new; provided, that the parts whereof he is the inventor, are material and substantial parts of the thing invented, definitely distinguishable from the other part claimed without right; and provided that his claim to the parts not invented by him, was made through mistake, accident or inadvertence and without any willful default or intent to defraud or mislead the public; and provided further, that he has not unreasonably delayed to enter a disclaimer in the Patent Office of the part so claimed, not invented by him.

5th. That said plaintiff has not unreasonably delayed entering at the Patent Office a disclaimer of that portion of his invention not new and not invented by him, which is embraced in his patent.

6th. That the arrangement made between the plaintiff and the defendants, Howland, Palmer, Kiag and Angell, in relation to the making and vending his said patented machine, and the making and vending of such machines under such arrangement prior to the application of the said plaintiff for his said patent is a good defence to this action, and protects all the defendants under the seventh section of the Act of Congress entitled "An Act in addition to an Act to promote the progress of the useful arts," approved March 3d, 1839, if they had made and sold the said patented machine of the said plaintiff between the 16th day of December, 1862, and the day on which this action was commenced.

7th. That the description in a public work of a substantial and material part claimed as new of the theory patented, prior to the supposed discovery thereof by the patentee, is conclusive evidence that such part is old, and not legally patentable.

8th. That the defendants are not guilty of infringing the rights of the plaintiff under his said patent.

9th That neither of the defendants is guilty of infringing the rights of the plaintiff under his said patent.

The Court has not found on the issue of priority of invention and other issues further than is set forth in the above findings for the reason that in the view taken of the case and the facts found it appeared to be unnecessary.

Signed in open Court, Dec. 19th, 1864.

OGDEN HOFFMAN, Dis't Judge.

Let judgement be entered for the defendants.

OGDEN HOFFMAN, Dis't Judge.

Filed Dec. 19th, 1864.

JOHN D. WHEELER, Dep. Clerk.

I, John D. Wheeler, Dep. Clerk, United States Circuit Court, Northern District of California, do hereby certify the above and foregoing to be a full, true and correct copy of its original as the same appears on file in my office.

Witness my hand, and seal of said Court affixed at San Francisco, this 21st day of December, A. D., 1864.

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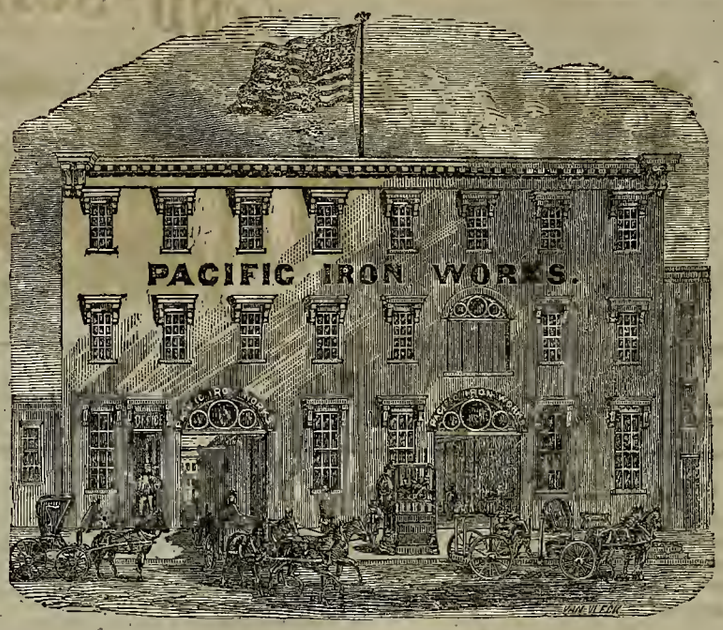

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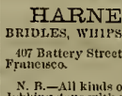
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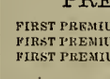
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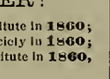
☞ **Extracting Without Pain.** ☜
Drs. Whitcomb & Dyer,
DENTISTS,
[Successors to W. H. Irwin.]
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18-v9 SAN FRANCISCO.

MEYER & SEIFERTH,
Makers of Models for Inventors and Mining Tools,
MANUFACTURE Assayers' Scales, Weights, and all articles used by Assayers, Mathematical, Optical, and Mining Instruments repaired and adjusted; Patterns, Small Steam and Air Engines of the newest construction, and Hydraulic Pressure Pumps, made to order.
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21v9-tf

THEODORE KALLENBERG,
Maker of Models for Inventors.
MACHINES, MATHEMATICAL, OPTICAL AND PHILOSOPHICAL Instruments, Scales, Weights, etc. Steel Stamps, Dies and Die Sinking, Embossing Stamps. Repairing of machinery promptly attended to.
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Metallurgy.

G. E. MOORE,
Assayer and Analytical Chemist,
Having established a Chemical Laboratory, furnished with every requisite for delicate Analytical work, is prepared to execute the Assay and Analysis of Ores, Mineral Waters, Guanos, etc., with accuracy and dispatch. No. 334 Montgomery Street.
REFERENCES.—Prof. J. D. Whitney, State Geologist, San Francisco; Alsop & Co., San Francisco; Sather & Church, San Francisco; John Parrott, San Francisco; D. O. Mills, Sacramento. 1tf

To Prospectors.
THE Directors of the San Francisco PACIFIC METALLURGICAL WORKS offer the following inducements to Prospectors:
NOTICE.—Knowing it will benefit our country to have it well prospected, we agree, if any party will forward us samples of minerals of any kind for assay, express paid, inclose TWO DOLLARS for the same, to return them a correct assay, with the best method of working, and feasibility of having the same worked in this city.
WORKS—North Beach. OFFICE—511 Sacramento street.
Box 511, Post Office, San Francisco. [v9-26tf

S. W. HOWLAND,
COPPER CRUSHER AND SAMPLER.
All Work done at the Shortest Notice.
No. 24 California Street,
Between Davis and Drumm,
In the Rear of Thomas' Planing Mill,
16-q SAN FRANCISCO.

EUROPEAN
METALLURGICAL WORKS.
Bryant Street, Between Third and Fourth,
San Francisco.
THE Proprietors having recently added to this Establishment the latest and most approved Machinery for the Reduction and Testing of ORES of all sorts—either in large or small quantities—are prepared to test Ores by such process as may be ascertained best suited to their chemical character, after a careful analysis being first made. Assays, either in the humid or dry way, made of all Minerals. Also, Refining and Cupellation attended to.
☞ Particular teution paid to the Smelting of Copper and Silver Ores.
S. P. KIMBALL J. R. MURPHY.
14-3m

NOTICE TO MINERS.
NEW QUARTZ MILL.
THE ATTENTION OF ALL ENGAGED IN MINING IS called to Fauchery's anrivaled Mining Machines, consisting of his celebrated Turbine Water Wheel, which took the First Premium at the Mechanics' Fair at San Francisco for 1864; his Crocodile Quartz Crusher; his Pulverizer; and his Improved Freiberg Amalgamating Barrel; altogether forming the most complete and effective Quartz Reducing and Amalgamating Mill now in use. This mill can be put up at less cost, run with less power, and accomplish more work, than any other now in use.
B. Fauchery and F. Genard
Having established a Quartz Mill and Metallurgical Works, are now prepared to crush, roast, amalgamate, assort, cupelate, and give correct analysis of ores. We are also prepared to give our attention to the building and constructing of Quartz Mills and Furnaces, and give directions for working Mines; and also to instruct persons in all branches appertaining to Mining Works, at No. 23 Fremont street, near Market, Railroad Foundry building.
F. GENARD, Metallurgist. **B. FAUCHERY,** Engineer,
9v24

GEO. B. HITCHCOCK & CO.,
Counting-House Stationers,
HAVE ALWAYS IN STORE A WELL-SELECTED STOCK OF
American and Foreign Stationery.
Blank Books of all kinds, manufactured to any desired pattern, and at the shortest notice. Mining Companies supplied in the best manner, and at reasonable rates.
GEO. B. HITCHCOCK & CO.,
2-1m 413 and 415 Sansome St., cor. Commercial, S. F.

HUNT'S NEW DITCHER.
HAVING SECURED FROM THE INVENTOR THE SOLE right to manufacture these Machines for the States of California and Oregon, and the Territory of Washington, I am now prepared to receive and promptly fill orders for these machines.
With the aid of three men and four horses this Machine will cut a ditch from two to three feet deep, as may be desired, dumping the earth all on one side so as to form a dike or embankment. For particulars send for circular, to
E. O. HUNT,
Windmill Builder, No. 28 Second Street and 110 & 112 Jessie Street, San Francisco. 9v22tf

DUNBAR'S
PATENT SELF-ADJUSTING
Piston-Packing.
Requires no Springs or Screws; Is always Steam Tight, without excessive friction, and never gets slack or leaky.
IT WILL SAVE EACH SEASON MANY TIMES ITS COST in friction, time, steam and power. No engine, old or new, should be without it. It can be easily fitted to old or new Pistons.
Having obtained the Agency of this VALUABLE IMPROVEMENT, I am prepared to furnish it wherever desired. For further information, address HENRY S. SMITH,
23v8 Golden State Iron Works, San Francisco.

WM. T. COLEMAN & CO.,
70 WALL STREET,
NEW YORK.
BUY AND SELL, ON COMMISSION, STATE AND CITY BONDS, Bank and Railroad Stocks, and other prime securities.
Buy and sell Exchange on California, Oregon and Western Cities.
Grant Letters of Credit, available in any part of the United States.
Receive moneys on deposit, and allow interest on special deposits at such rates as may be agreed upon.
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Make advances upon approved merchandise consigned to our San Francisco house.
Fill orders for staple goods of all kinds, for the California and Oregon markets, and effect Marine and Fire Insurance in the best offices.
Buy and sell and charter Vessels for all trades.
AGENTS FOR "COLEMAN'S CALIFORNIA CLIPPER LINE," loading and despatching regularly, every month, two to three first class clippers for San Francisco. Goods forwarded from any part of the United States or Europe, will be received with care and shipped immediately at lowest current rate of freight. Bonded goods carefully attended to.
Orders for purchase of merchandise should be accompanied with a remittance of about 20 per cent. of the cost, or satisfactory arrangements can be made with our San Francisco house. On order for Bonds and Stocks, 10 per cent. the par value is always required.
We beg to say, no house has superior facilities for the transaction of all this business, and parties intrusting their interests to our care may rely upon our most faithful and watchful attention. WM. T. COLEMAN & CO.,
70 Wall street, New York,
18v8 And California and Front streets, San Francisco.

Advance Made on Copper Ores,
WOOL, HIDES, WHALE OILS, ETC., CONSIGNED TO our friends in New York, Boston or England.
WM. T. COLEMAN & CO.,
18v8 San Francisco.

Exchange on New York,
PAYABLE IN COIN OR IN CURRENCY—FOR SALE, IN SUMS to suit, by WM. T. COLEMAN & CO.,
18v8 California and Front streets, San Francisco,

Prices to Suit the Times!
FARE AT REDUCED RATES!
Pacific Mail Steamship Company.
FOR NEW YORK, VIA PANAMA,
The Splendid Steamship
CONSTITUTION,
E. S. FARNSWORTH.....Commander
Will be dispatched for Panama on
WEDNESDAY, JANUARY 4, 1865.
At 9 o'clock A. M.,
Connecting, via Panama Railroad at Aspinwall, with the New and Swift Steamer
NORTH STAR.....Captain A. G. Jones
Through Trip to New York in 21 Days.
The Isthmus transit is made by Railroad in three hours! All exposure to a tropical climate is thus avoided.
This route offers PARTICULAR advantages to ladies and families.
The Atlantic steamer is convoyed by an United States war vessel.
For further particulars, inquire at the office of the Pacific Mail Steamship Company, corner Sacramento and Leidesdorff Streets.
24 **OLIVER ELDRIDGE, Agent.**

IMPORTANT DISCOVERY
—IN THE—
Photographic Art.
Jacob Shew's
CHROMATIC PROCESS OF PRINTING
PHOTOGRAPHS.
[PATENT APPLIED FOR.]
THE UNDERSIGNED WOULD ANNOUNCE TO THE public that he has discovered a new and IMPROVED PROCESS for printing Photographs, which produces a
SOFTNESS, CLEARNESS AND DELICACY OF TONE
unattainable by any other known process and to which he has given the above name. It is applicable to any size of Photograph, and those having valuable old negatives which they desire printed by the improved process can do so at any time.
In order to secure the pecuniary advantages to be derived from this important discovery a patent has been applied for. When obtained, the privileges of the right will be disposed of at a reasonable rate to any Photographer desiring it. In the meantime all are warned against encroachments upon the rights of the discoverer as such will be prosecuted to the full extent of the law.
"Cartes de Visite" and large Photographs printed by this process will be furnished at the prices of the ordinary work of other establishments.
☞ The public are invited to examine specimens at my Gallery. ☜ **JACOB SHEW.**
6-tf 315 Montgomery street, near Pine.

QUICKSILVER
FOR SALE BY
S. F. BUTTERWORTH,
Northwest cor. Battery and California sts.
v9-19 SAN FRANCISCO.

RAILROAD HOUSE.
316, 318 & 320 Commercial Street,
SAN FRANCISCO.
THE Undersigned respectfully notifies his Patrons, and the Public generally, that he has assumed the entire charge of above popular House, and having had it thoroughly renovated, he flatters himself it will compare favorably, in point of comfort and cleanliness, with any House in the city. It is his intention to make it a First Class
Family Hotel.
Being conducted on the European plan, it is not only the CHEAPEST, RESPECTABLE HOTEL, but the most convenient as guests can choose their own hours of eating. The Restaurant is now conducted by G. V. DAWSON, Esq., formerly of Sacramento, late of Marysville, whose name is a sufficient guarantee of the best of living.
The Railroad House Coach conveys passengers to the hotel FREE. Barber Shop, Bath Rooms, Steam Baths, etc., connected with the House.
15-q **C. L. ROSS, Proprietor**

To the Public, and to Millmen in Particular.

As Thomas Varney has not, up to this date, withdrawn his notice in the "Mining and Scientific Press," in which appears the following language:—

"All persons are warned against purchasing machines made at the Miners' Foundry, called 'Wheeler's Amalgamators,' as they are an infringement on my patent, and a suit is now pending in the United States Circuit Court, against the parties infringing;"

In justice to myself I am compelled to give to the public a statement of the facts in the case, and show the position which Mr. Varney and myself occupy as Patentees. He commenced suit against me, and the Miners' Foundry, for $90,000, about the 1st of March 1863, and threatened suit against any and all persons who should buy my amalgamators, thus greatly damaging my business. To show the injustice of this suit against a "poor hard working mechanic," I will quote from the opinion of Judge Hoffman, as rendered in the case last November. He says:

This is an action for the infringement of a patent issued to the plaintiff on the 16th of December, 1862, for an "Improvement in Amalgamators for gold and silver." The machine alleged to be an infringement has also been patented—the patent being dated December 8th, 1863. The defendants deny the alleged infringements, and the novelty and originality of the plaintiff's invention. They have also given notice, under the statute, of various other defences, hereafter to be noticed.

Models of the two machines were exhibited in Court, and a large number of witnesses called to explain their construction and mode of operation. It is apparent that the patented machine of the defendant closely resembles, if it be not substantially identical with, the improved and modified machine now manufactured by the plaintiff. But the inquiry is not whether Wheeler's machine resembles that lately used by Varney, but whether the former is substantially the same as the machine described in Varney's patent. That Varney has, in many important particulars, modified the machine as described in his patent, is obvious. Indeed, his late machines resemble much more nearly in external appearance, and in their mode of operation, the Wheeler patented machine than they do a machine constructed according to the drawings and specifications of his patent.

After describing Mr. Varney's pan and its operation, the Judge says:

It appears, however, that the idea of working ores in a batch, by causing them to pass repeatedly between mullers, the upper one of which is provided with openings at the center, is by no means novel.

J. E. Clayton testifies that, so long ago as 1845, he arranged a machine in Tullahoosa, Alabama, for the reduction of gold ores, which embodied substantially the same principle.

* * * * * * *

In Overman's Metallurgy, p 267, a similar arrangement is described. * * * It is evident that the author is here describing an existing and well known machine, the usefulness of which has already been ascertained.

It is also apparent that the result aimed at is the same in this machine as in that of the plaintiff, and that the means adopted to accomplish it are substantially similar. In both machines the pulverization of the ore is effected by means of a bed plate upon which a muller rotates, with central openings to permit the pulp to pass continuously and repeatedly between the grinding surfaces until the operation is completed.

Amongst other things the Judge quotes the following from Judge Story:

But in all cases where the patentee claims anything as his own invention in his specification, Courts of law cannot reject the claim, and if included in the patent and found not to be new, the patent is void, however small and unimportant such asserted invention may be.

* * * * *

Here the plaintiff claims a particular position of machinery as his invention, and it clearly appears in evidence that the position is not new. It has existed before—not in machines exactly like the present, but in machines applied to analagous purposes, viz: in machines applied for the same purpose as the plaintiff applies them. The objection therefore, is fatal.

In the defendant's machine, the pan in two parts, provided with flanges, packing, &c., to which the plaintiff in his patent attaches so much importance, is not used, but a deep pan is substituted with a wooden cover.

The arrangement of the slots or shoes on the muller is different. The upper muller is provided with spiral ridges arranged to operate with similar ridges reversely inclined on the inner surface of the pan, to raise the pulp and promote the circulation. The upper muller is attached to the shaft by an universal joint, and by a mechanism quite unsimilar to that described by the plaintiff. And for the scrapers are substituted broad guide plates extending and secured to the edge of the pan, and capable of being elevated or depressed by means of a mechanism not found in the plaintiff's machines.

Assuming then—as in the point of view in which we are considering it we must—that each of the several parts of the plaintiff's machine is old, and not separately patentable, it seems clear to me that if the patent for the machine can be sustained, as for a new combination; which I think doubtful, the combination of the defendant is at least as novel as that of the plaintiff.

We have already seen that the muller rotating upon a bed plate, with central openings, and arranged in a pan so as to create a circulation of the pulp, is not a new invention. The tub, composed of two parts, with flanges, packing, &c., is not claimed to have been used by the defendant. In fact it is now discarded by the plaintiff, and a deep pan, with muller attached by an universal joint, has been adopted by him in his later machines. The infringement, if any, must consist in the use by the defendant of the scrapers described in the plaintiff's patent.

The inquiry thus arises—are the curved plates described in Wheeler's patent, substantially the same in their structure and operation as the scrapers of the Varney patent, and if so, do the latter constitute a "material and substantial part of the things patented by Varney, definably distinguishable from the other part." To determine this question, a brief description of Wheeler's machine is necessary.

The Judge then describes the Wheeler pan and the Varney pan and scrapers, and says:

In the Wheeler pan four plates are used while Varney employs only two scrapers. The form or curve given to these plates in both machines is similar, though not identical; but in their structure, arrangement, and the use for which they are intended, there is an essential difference. The scrapers of Varney are represented as of inconsiderable width, and extending from a ring at the center to the periphery of the muller—they rest apparently upon the surface of the muller, and no means of elevating or depressing them are mentioned in the specifications or exhibited in the drawings.

The plates of Wheeler are of considerable width, and attached to a frame suspended from the top of the shaft, resting upon a vertical screw, by means of which the frame and plates attached to it may be elevated or depressed. The plates extend to the inner surface of the pan, where they are secured by slides. The office of these plates, as described in Wheeler's patent, has already been mentioned. It appears to me that the scrapers of Varney neither serve, nor were intended to serve, any such purpose. [Here the Judge gives his reasons for the above opinion.]

For these reasons I am of opinion that the curved plates of Wheeler differ from the scrapers of Varney in their form and arrangement, their object and effect, and that therefore their use is not an infringement of Varney's patent.

Much testimony was taken to show that in fact Wheeler's invention was prior to that of Varney's and that the latter derived his ideas from the former.

It is claimed by Varney that his invention was, in its essential features, matured and perfected in August, 1861. But this statement seems hardly consistent with his declarations or his conduct.

Varney's application for his first patent was not made until the end of October, 1861. That machine has since been discarded as useless.

If then, at the time of this application, he had already matured and perfected the invention of another and far better machine, he committed a practical fraud upon the public in withholding from them the benefit of his skill and ingenuity. It is certainly strange that he should have gone to the trouble and expense of procuring a patent for his first machine, and delayed, for nearly a year, his application for a patent for the improved machine which he had, as he says, already invented.

It may well be doubted whether, if it be true as Varney states, that at the time of his application for his first patent he had already completed and perfected his improved machine, the suppression would not be fatal to both. It appears in evidence that, so early as December, 1861, Wheeler had conceived and communicated to Stewart & Kirkpatrick at Washoe, the idea of his machine. He explained to them the mode in which the circulation, or over and under current was to be produced, and the guide boards by which it was to be assisted.

In January, 1862, drawings of this machine were received at the Miner's foundry, and Stewart, the partner of Churchill, was desirous of having his pans constructed on that plan. The theory and construction of the proposed pan were fully explained to Varney, who succeeded, however, by affecting to consider Wheeler's pan a "humbug," in dissuading the parties from adopting it, and in inducing them to order pans made on the model of his own patent. These were subsequently discarded as useless. We are driven to adopt one of two suppositions: either that Varney wilfully deceived Stewart in inducing him to order an inferior pan, or else that he had not at that time discovered the mode of producing the over and under current, recognized its utility and invented a machine to effect it.

Wheeler commenced manufacturing his machines in January, 1862. He commenced using them in June of the same year. They were constructed at the Miners' Foundry by the defendants to this cause, under the immediate observation of Varney. But in his conversation with Scott, in July, 1862, and in his communications with the defendants, he does not appear to have intimated that he was the first inventor of the Wheeler machine, and that in constructing the latter they were violating his rights. Up to the end of 1862, he continued to have his own pans built at the same foundry; and it he really considered the construction of Wheeler's pans to be an infringement of his own invention, his silence is inexplicable. His delay in applying for his second patent is equally unaccountable. In August, 1861, he had, as he says, completed and perfected his invention of his improved machine, and yet in October of that year he applies for a patent for his first and imperfect invention, and delays his application for a patent for his improved and perfected machine until the end of June, 1862—more than a month after Wheeler had taken the preliminary steps to obtain his patent.

It is unnecessary, however, to pursue this inquiry further, for in the view I have taken of the case the question of priority of invention is immaterial.

The Judge then notices the other grounds of defence, and says:

If this view of the effect of that statute be correct, it affords a defence to Wheeler as well as the other defendants. It is not pretended that he has used any machines not manufactured by them, or that he has infringed the plaintiff's rights, otherwise than by receiving from the other defendants the sum agreed to be paid by them on the sale of his machines.

I find, therefore, for the defendants.

[In this candid statement to the public, I should have preferred to have given the decision of the Judge and the findings of the Court in full, but for the great length of space they would occupy; and I will state that the same can be found in the "Mining and Scientific Press," of December 10th and 31st, 1864, and invite their thorough perusal.]

It will be seen by the above statements that Mr. Varney is infringing on my patent right by the use of wide guide plates in his pans, instead of my infringing on his patent. The truth is, he never used any but narrow scrapers in his pans until after I had put my pans in operation, and they had proved a success. None of his pans made prior to the year 1863 ever run six weeks without being condemned and thrown aside. This may account for the fact that he afterwards altered his patterns and made them like mine, with an open, deep pan, and wide guide plates instead of scrapers, and put a wooden cover on the pans.

Having established my right in my patent Amalgamator, it is now my turn to protect myself against the infringement of "Mr. Varney, or any other man," and I intend to do it; and all persons are hereby warned not to purchase or use machines called "Varney's Amalgamators," as made at the Union Foundry, Pacific Foundry, or any other place, as they will make themselves liable for an infringement on my patent right.

Having made some important improvements in my Amalgamators, the public are invited to call and examine them at the Miners' Foundry, San Francisco, or at Prescott & Schiedel's Foundry, Marysville, where they are manufactured. ZENAS WHEELER.

San Francisco, Dec. 27th, 1864.

City Stock Reports---San Francisco Stock and Exchange Board.

From the "Weekly Stock Circular" of the Associated Brokers.

San Francisco, Saturday Morning, Dec. 31, 1864.

We have no material change to note in the condition of the stock market. Leading shares are firmly held, and the late advance has been, for the most part, well maintained. One or two prominent claims were subjected to some short sales last week, and a decline was established, but this has been recovered within the past few days. These transactions are not likely to prove of much advantage to the seller, if the present strength of the market is any criterion of its complexion at the maturity of the contracts lately made. Lower-priced stocks have been rather actively dealt in, but, with trifling exceptions, at a decline.

The year will close upon a comparatively steady and safe market, and the business of most members of the Board henceforth is likely to be conducted more legitimately, and with less risk than formerly. The experience of the last six months has taught many the importance of a conservative and prudent policy, whether in operating for themselves or in the execution of orders for their friends.

The money market maintains substantially the same features. Capital is abundant and discounts are readily obtained in bank at 1¼@2 per cent. per month upon unexceptional collateral. In the open market, where the securities offered are less desirable, higher rates prevail.

The aggregate receipts of treasure from the interior and northern coast during the current month, will exceed *Five Million Dollars*. Our product of the precious metals for the past 12 months will probably be larger than that of any previous year in the history of the country.

Bullion is plentiful and gold bars have been taken to account by the bankers during the week at about 800@810. Silver bars range as formerly.

Legal Tender Notes have been sold to the extent of $103,000, opening at 47, rising to 48, dropping to 46¾, seller 30, and closing at 47. Latest Eastern advices quote gold in New York at 223 on the 30th instant.

Spring Valley Water Co. has advanced to 80 ₱ cent. on amount paid in (equivalent to $368 per share), and San Francisco City Water Co. also rose to 72 ₱ cent of par. A consolidation of these two companies has been agreed upon, to take effect on the 1st of January next. The new corporation is to represent 6,000 shares of stock, of $1,000 each, 3,200 of which accrue to the S. F. C. W. Co. and 2,800 to the S. V. W. Co. It is believed that upon a capital stock of $6,000,000 regular monthly dividends can henceforth be declared by the new company, and that this union of interests will give great satisfaction to all parties.

Sacramento Valley Railroad has been sold at 20, which is now bid. North Beach and Mission Railroad has advanced to 95 bid, 105 asked. California Steam Navigation Co. is inquired for at 75½, and San Francisco Gas Co. at 75.

Savage has met with small sales, within range of $1,600@1,625, ex. dividend of $75 per share, paid on Saturday last, and closes at $1,625 bid, buyer 30. After the declaration of the dividend—some two weeks in advance of the regular day of payment—a considerable balance was left in the treasury of the company. The mine continues to look well, and the yield of bullion for December will exceed that of the previous month.

Gould & Curry is in better favor, and 12 feet were sold, steadily advancing from $1,550 to $1,575, and closing at $1,590. Receipts of bullion the current month are nearly up to the average of the past two months, and a dividend of $75 per foot is confidently anticipated. Advices from the mine and mill are as favorable as formerly, and the usual activity prevails in every department.

Chollar has been more than usually active, and 37 feet were sold, within a range of $1,070, buyer 30 days, and $1,045 cash. No change has taken place in the character of the mine. The product of ore for this week is estimated at 1,500 tons. Receipts of bullion thus far during the month have amounted to some $80,000, and $50,000 is said to be in transitu to this city.

Potosi is dull and inactive, and small sales were made at $675@$700. The suit of this company with the Bajazet has been set for the 3d of January.

Yellow Jacket fell to $765, seller 30, rose to $800, buyer 30, and was held yesterday at $765. 8 feet were sold at these rates.

Belcher declined to $650, rose to $700, and was inquired for at the close at $750. The affairs of this company are assuming a more satisfactory shape, and a number of mills are now employed crushing ores.

Hale & Norcross rose to $350, declined to $300, at which rates 18 feet were sold, and closes at $260. An assessment of $50 per foot was levied on the 28th instant.

Ophir has been active and 57 shares were dealt in at from $400 to $375. We can learn of nothing of special interest from this mine.

Uncle Sam is in more favor and 100 shares have been sold, advancing from $150 to $175, receding to $165 and closing at $170 bid, $175 asked. It is said that some favorable developments have been made lately.

Overman sold yesterday at $120. The report of the expert, who recently examined into the affairs of this company, is now being printed. The liabilities of the company are placed at $82,000, including a debt of $30,000 due Stewart & Baldwin as attorneys. The assets amount to $69,000, $66,000 of which is due from the $50 assessment levied last month. The total expenditures of the company have amounted to $337,000.

Imperial has vibrated this week between $107@$113 per share, closing at about $109. No dividend will be declared for the current month. Bullion has been active, declining from $118, buyer 30, to $102, and rallying yesterday to $120, buyers' option. 605 shares were sold within this range.

Nevada, (J. G.) is lower, having fallen from $40 to $30. An assessment of $15 per share was levied on the 19th inst., making $57 per share thus far.

Burning Moscow has attracted less attention, and only 2,600 shares were dealt in, dropping from $35 to $25½, and selling yesterday at $30@32, closing at $28, seller 30.

Wide West declined from $22 to $13 and rose to $16. Golden Age and Empire has advanced from $14½ to $16½. Sheba was sold at $36@37 (assessment of $30 delinquent).

The total sales for the week, including those of last Saturday, amount to $380,865.

Canvassing Agent Wanted

For the Mining and Scientific Press.

An experienced, prompt and reliable agent can secure a desirable and lucrative engagement by applying immediately at this office.

Rubicon Gold and Silver Mining Company, No. 1, 2, 3, and 4.

The Members of the above Companies will please take notice that the Annual Meeting of the Stockholders, for the election of officers for the ensuing year, will be held at the office of the Companies, No. 964 Mission Street, San Francisco, on the evening of January 2d, 1865, at 7 o'clock. A full attendance is desired, either in person or by proxy.

J. B. VAN HAGAN, Secretary.

December, 22, 1864. 26-2

NATHANIEL GRAY,

General Furnishing Undertaker,

641 Sacramento St., corner of Webb, San Francisco.

Barstow's Metallic Burial Caskets and Cases.

1tf

Notice.

Office of the County Clerk }
City and County of San Francisco. }

In the County Court of said City and County:

Notice is hereby given, pursuant to law and an order of the Hon. Samuel Cowles, County Judge of said City and County, this day made, that "La Morrocena Silver Mining Company," a Corporation organized and doing business in said City and County, has made application, by petition this day filed, that said Company be disincorporated and dissolved; and that such application will be heard by and before the Honorable the County Judge of said City and County, on the 31st day of January, 1865, at 10 o'clock in the forenoon of that day, at the chambers of the County Judge, in the City Hall Building, in said City and County.

Witness my hand and the Seal of said County Court, this 30th day of December, A. D. 1864.

{Seal and 50 cent sim'p c'd} WM. LOEWY, County Clerk.
By J. Napthaly, Deputy County Clerk.

27

Our Circulation.—The Mining and Scientific Press has a large and permanent subscription list, and enjoys a more universal circulation among stockholders and persons directly interested in mining than any other paper on this coast.

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Profitable Newspaper

— FOR THE —

Readers of the Pacific Coast.

Tenth Volume—Jan. 7, 1865.

DEWEY & CO., Publishers.

Our Journal enters its TENTH VOLUME with marked prosperity and improved facilities and resources for furnishing a handsome, valuable and well filled sheet.

Its size is equal to that of Harper's Weekly, and its columns, upon comparison, will be found to contain a larger amount of reading.

We believe that the PRESS furnishes more information of ready application and intrinsic value to its readers than any other journal on this side of the Continent. Its circulation has doubled during the past year, and, for the economy and interests of the industrial classes of this and neighboring States, its subscription list should be more than trebled for the ensuing twelve months.

We shall continue to make the MINING AND SCIENTIFIC PRESS substantially

An Instructor to Prospectors,
An Economist to Millmen,
An Assistant to Active Miners,

An Economizer for Mining Advertisers,
A Reliable Reporter for Shareholders,
A Faithful Monitor for Stockdealers,

An Intelligencer for Mechanics,
An Incentive to Inventors,
A Reflector for Patentees,

And a Helpmeet to all Industrial Classes

Upon the Pacific Coast. We shall give accurate and frequent

DRAWINGS AND ILLUSTRATIONS

Of new inventions and discoveries of particular value to Miners, Mechanics and Manufacturers, their interests in this community being well considered "one and inseparable."

THE SHAREHOLDERS' DIRECTORY

Will comprise a record of all Notices of Meetings of Mining Companies, Notices of Assessments, amounts levied, date of advertising sales, and day of sales, announced in all advertisements appearing in the San Francisco papers during the period of the Volume.

STATISTICS FOR REFERENCE

And Reports of Elections of Officers of Mining Companies, Stock Reports, Valuable Tables, etc., will be continued with careful attention.

OUR PATENT AGENCY

Is increasing in importance and value to the inventors of the Pacific Coast, as many Patentees can testify from their successful applications through us during the past twelve months.

FOR SENDING ABROAD.

As a paper for mailing regularly to your friends in the East, or to correspondents elsewhere, none can be selected more appropriate, or better calculated to dispense reliable information with regard to transpiring events on this coast and the progress of California.

Specimen copies will be sent free to those desiring to examine the paper before subscribing. Postmasters, Express Agents and News-dealers, acting as our agents, will receive liberal commissions.

Friends pleased with our efforts in the publication of the PRESS can render us essential aid by furnishing correspondence and all important information which may come under their observation, and by calling the attention of their neighbors to the commendable features of the paper; the appreciation of which favors will be duly manifested by the constant improvement of our journal.

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One Year, (two volumes)..... $5.00
Six Months, (one volume)..... 3.00

FOR ADVERTISING

Our terms are very reasonable. MINING COMPANIES are especially favored by our rates, and careful attention is given to the publication of MINING NOTICES.

OFFICE IN Government House, Nos. 11 and 56, corner of Washington and Sansome streets, San Francisco.

DEWEY & CO., Publishers.

C. W. M. SMITH.....W. B. EWER.....A. T. DEWEY.

AUCTION.

There will be sold at Public Auction, for the benefit of the Citizen's Coal Mining Company, Mt. Diablo District, Contra Costa County, California, at the salesroom of Maurice Dore & Co., on Wednesday, the 4th day of January, 1865, at the hour of 12 o'clock M., to the highest bidder:

1—That certain shanty, belonging to the said Company, 16 x 12 feet, with one door and one window, together with a stove and cooking apparatus, situate at the foot of the hills on the ground of said Company, about three miles south of the town of Antioch, in the county of Contra Costa.

2—A small size Forge, with Anvil and sundry tools, to be seen near the said house.

3—That certain Artesian Well-borer, with all fixtures and appurtenances, of about 400 feet length, more or less, as to be seen now in working order at Adam's Ranch, about two miles south from Somerville, or seven miles south of Antioch. For further particulars apply to

E. J. PFEIFFER.

26-2 S. W. corner Post & Dupont sts., San Francisco.

RICHARD WEGENER,

Accountant, Mining Secretary,

AND GENERAL AGENT.

No. 240 Montgomery St., Southeast cor. Montgomery and Pine Sts., San Francisco, 11-3m

Hunter's Concentrator, Amalgamator and Separator.

[Copy of Reports.]

BEAR VALLEY, DEC. 12, 1864.

MR. A. HUNTER—*Dear Sir:*—I take pleasure in stating, in reply to your request, that your Concentrator has been running uninterruptedly at Princeton mill for more than three weeks, and that the enclosed notes by Mr. Williams, the superintendent, of a carefully measured test of its performance, during a period of a day and three-quarters, I believe fairly indicate what it has been doing during the whole of that time. The concentrator has been running side by side with the usual blanket arrangement, the sands in each case having been subject to amalgamation in battery, and subsequently passed over amalgamating plates. The only comparison that we have been able to make of the amount of sulphurets passing the blankets and the concentrator, respectively, results as follows:

First: One cubic foot of tailings from the concentrator, carefully panned out by hand, gave one-fourth of an ounce of very fine sulphurets and sands, which amount was found, upon assay, to contain two-fifths of clean sulphurets; indicating that the loss of sulphurets per cubic foot of tailings from the concentrator was about one-tenth of an ounce.

Second: One cubic foot of tailings from the blankets, panned out by hand as above, gave one and three-fourths ounces of sulphurets and fine sand, which was found to contain one and forty-nine hundredths ounces of clean sulphurets and twenty-six hundredths of an ounce of sand.

The loss of sulphurets from the blankets would thus appear to be in the proportion of 149 to 10, or nearly fifteen times greater than that from the concentrator. The concentrator has not been found at any time in the slightest manner out of order, and has required scarcely any attention. Congratulating you upon these facts, I am, sir, very respectfully yours,

FRED LAW OLMSTEAD,
Manager Mariposa Company.

Notes of a test run of Hunter's Separator, it having been supplied during the test with the sands reduced by one battery of the Princeton mill, in the condition in which they are usually received by the blankets:

Running time	1¾ days.
Amalgam saved on the plates of the Separator during above time, value	$6 75
Rate of saving of single machine per day	3 86
Rate of saving of six machines per day	23 16
Yield of Sulphurets, 1¾ days, pounds	245
Yield of Sulphurets, one days run of one Machine	123
Rate per day of saving from six machines, being the whole number required for the Princeton Mill	738
Yield of amalgam from plates of Separator, per ton of rock crushed, value	55
Yield of sulphurets from Separator per ton of rock crushed, pounds	18

HANNIBAL WILLIAMS,
Superintendent of Princeton Mill.

SAN FRANCISCO, DEC. 18, 1864.

I have recently examined one of Hunter's Concentrators and Amalgamators in operation at the Princeton Mill, Mariposa Estate. The sand and crushed rock, flowing from one battery of four stamps, were passed directly over the machine without using blankets.

An examination, by repeatedly panning out the tailings from the machine, and from the blankets, working alongside from other batteries, shows conclusively that the loss of sulphurets by the machine is very much less than by the blankets, and that it is a mere fractional part of the whole, consisting of the lightest and thinnest scales, such as can scarcely be saved by panning; while on the other hand, the tailings from the blankets contain a large amount of heavy sulphurets. The product of the machine is almost pure, clean sulphurets, while the blanket sands contain a large amount of quartz. The copper plates of the machine, being amalgamated, secure much or all of the free gold that escapes the battery, and thus separates it from the sulphurets and sands with which it is left mingled in the blanket product.

Mr. Williams, the superintendent of the mill found the saving of a single machine, in amalgam, to amount to $3.86 per day, or 55 cents per ton of crushed quartz. I witnessed the cleaning up the machine and the collection of a ball of amalgam. From the weights taken by Mr. Williams and the data given on his report on the machine to Mr. Olmsted, the manager of the estate, we may state the constitution of the Princeton ore, as it came from the batteries at that time, as follows:

Clean Sulphurets containing free gold and amalgam	18.00
Quartz sand, waste	1981.78
Loss of Sulphurets and tailings	.22
Total	2000.00

One machine will work seven tons in twenty-four hours. It is extremely simple and not liable to get out of order, and requires but little attention. WM. P. BLAKE,

Professor of Mineralogy, Geology and Mining, Mining and Agricultural College, Cal.

BLAKE'S QUARTZ BREAKER.

A supply of various sizes just received and for sale at reduced prices. Address

BLAKE & TYLER,

Box 2077, San Francisco Post Office. 27-4

HUNT'S
IMPROVED WIND-MILL.

THIS WIND-MILL IS RAPIDLY taking the place of all other Mills on the Pacific Coast. These Mills are so simple in their construction, that when once built, they can be put in order by almost any person; and when once in order they will run for years without repairs.

Prices, from $50 to $1,000.

ROUND AND SQUARE WATER TANKS BUILT TO ORDER.

HUNT'S PUMPS

Are admitted to be the best in the Market for Wind Mills, being built expressly for that purpose. They can be set, and taken apart with a common wrench, and are very easily repaired.

HUNT'S ENDLESS CHAIN

HORSE POWER

For Sawing Wood.

ALSO, THE

Self-Regulating Horse Power

Is so arranged as to give a steady motion, and is calculated to be used for turning Wood, Iron or Brass, also for Scroll or Circular Sawing, and is fully equal to Steam for any light work. The above Machines are built of the best materials, and made as Durable as Wood and Iron will make them.

ALL WORK WARRANTED.

☞ For further Particulars see small circulars. ☜

E. O. HUNT,

No. 28 Second Street, and 108 & 112 Jessie Street, San Francisco. 26-3m

ATWOOD'S
Self-Regulating Windmill.

This Windmill is the most perfect self-regulator yet invented, and is capable of being adjusted to any desired speed. Manufactured at

222 Mission Street, North side, below Beale,

SAN FRANCISCO.

N. B.—We also manufacture DICKERSON'S SELF-REGULATING MILLS; also, Rotary and Stationary Mills of different styles and prices, varying from $50 to $500 each; also round and square Water Tanks made to order.

222 Mission street, below Beale. 5

WHEELER'S
Amalgamating & Separating Pans.

IT IS ACKNOWLEDGED BY ALL WHO HAVE EXAMINED the principles and witnessed the operation of these Pans, that they are decidedly superior for triturating and amalgamating purposes to any other in use.

The most important principle connected with the operation of these Pans is the separation of the triturating process from that of extracting the amalgam from the sand.—The chief cause of loss of the precious metal arises from the passing off of the same in combination with the quicksilver, during the process of trituration, and in cleaning up. By the introduction of the Separating Pan to follow the triturating, this loss is entirely avoided. In working these machines there is no approachable loss of quicksilver, and hence none of the precious metals.

Where these Pans have been introduced and operated by the side of others on sands from the same vat, the Wheeler Pans have uniformly gained a large percentage of metals, over its competitors, as well as a still larger percetage in the amount of work performed.

☞ These Pans may be seen in daily operation at the Miners' Foundry, on First street, San Francisco, where all interested are invited to call and examine for themselves.

no16-tf ZENAS WHEELER.

HATS, HATS.

The Largest Assortment

—OF—

HATS AND CAPS

—IS AT—

Meussdorffer's Hat Manufactory,

635 and 637 Commercial Street,

Between Montgomery and Kearny,

SAN FRANCISCO,

WHICH HE OFFERS FOR SALE

WHOLESALE AND RETAIL.

MINING LAWS AND FORMS.

Third Edition revised and enlarged.

Compiled by H. B. CONGDON.

THIS Edition contains all the laws of the *STATE OF CALIFORNIA* and *NEVADA TERRITORY*, relative to Mining Corporations together with the Mining Ordinances of Mexico, complete; Digest of Decisions of the Supreme Court; Forms etc. 16 mo. flexible cloth, 192 pp. $2.50.

Published by H. H. BANCROFT & CO.

Hepburn & Peterson's
AMALGAMATOR.

THE SUBSCRIBERS WOULD CALL THE ATTENTION of the Mining Public to their Reducer and Amalgamator, and also to their Separator for reducing and separating the mineral from

Gold and Silver Ores,

Manufactured and exhibited at the Vulcan Iron Works, Nos. 137 and 139 First street, San Francisco.

These machines secure to the Miner a more Expeditious and Perfect Reduction and Amalgamation, a less liability to accident and delay, and a greater amount of useful effect in proportion to the power employed to keep them in operation than any other machine now in use for producing similar results. The fact is attested to by their general adoption and preference at all the principal Reduction Works in Nevada Territory; among which may be mentioned the Gould & Curry Mill, the Silver State Reduction Works, Zephyr Flat Mill, Pioneer Mill, Eastern Slope Mill, Phœnix Mill, etc.

☞ This Amalgamator may be seen in operation at Kastel Bros. works, Bryant St. between 2d and 3d.

[Illustrated in the Mining and Scientific Press, April 9th, 1864.]

nov8 3m* HEPBURN & PETERSON.

To Quartz Miners.

ALL PERSONS INTERESTED IN MINING MACHINery are invited to call at the Pacific Foundry and examine my improved Amalgamator. It is unquestionably superior to anything now known for amalgamating Silver and Gold. It works 1000 pounds at a time, and will amalgamate over three tons a day. By the motion of the revolving muller, the pulp is drawn through its center and passes under it, between the grinding surfaces, to the circumference; from whence it passes again over the muller to the center, through the holes and between the grinding surface to the circumference as before. Thus a constant circulation of the pulp is kept up, bringing the particles of ore again and again under the muller, and reducing the whole mass to an impalpable powder.

No quicksilver lies between the surfaces to be ground, but at the circumference and center of the pan where the metal must pass through it as the pulp circulates.

A patent was granted for this Amalgamator in December last, and all persons are again warned against purchasing machines made at the Miners' Foundry, called "Wheeler's Amalgamator," as they are an infringement on my patent, and a suit is now pending in the U. S. Circuit Court against the parties infringing. My Amalgamator can be seen running at the Pacific Foundry, where all can judge of their operation and the very superior style in which they are being manufactured. THOMAS VARNEY.

sep21

SALMON'S
PROPELLER AMALGAMATOR.

The proprietors and inventors of this machine, after fourteen years of practical experience in mining in California and Nevada Territory, and having a thorough knowledge of the wants of Miners and Mill men, have succeeded in making an Amalgamator, which, for the purposes intended, far surpasses any other yet presented to the public, and which can be furnished at less than one-half of the expense of any other Amalgamator, now in use, besides requiring less labor to clean and keep it in running order. The Amalgamator is simple in its construction, consisting of a pan or tub constructed of wood and adapted to either a Stone or Iron bottom. Opposite each other, and on the inside of the tub, are two flanges, from two to four inches broad, reaching from the top to near the bottom, with room for the mullers to pass under. These flanges are for the purpose of preventing the pulp from forming a circular current, and together with a number of wings placed like a screw propeller on the muller-shaft, forces a current continually on the quicksilver at the bottom and under the grinding surface of the mullers. This peculiarly of propeller-screw and side wings, in combination with a deep tub, are what the proprietors claim as new and for which a patent has been applied for. The inventors of this machine are practical Mechanics as well as experienced miners, and the machine offered by them to the public is the result of long experience and close observation. Manufactured at the San Francisco Foundry, San Francisco, Cal. by

J. & W. C. SALMON,

To whom all orders should be addressed. 15

FARRAND'S
Oscillating Amalgamator,

RECEIVED THE

ONLY PREMIUM

AWARDED FOR AMALGAMATORS

At the Recent Industrial Fair

OF THE

Mechanics' Institute of San Francisco.

Committee of Awards.

O. RELDAN,	W. T. GARRATT,	H. P. WAKELEE,
O. GORI,	GEO. JOHNSON,	C. M. RADCLIFF.

This Premium Amalgamator was placed on trial, at the Mechanics' Pavilion, with the Varney, Wheeler & Randall, and Hepburn & Peterson Pan, each working eight hundred pounds of crushed rock.

This Unrivaled Amalgamator possesses many advantages over all others now in use.

1st. It is capable of doing double the amount of work of the ordinary Pans, at a saving of more than one-half of the power.

2d. It reduces the pulp finer, thereby producing a better result.

3d. It requires less quicksilver by one-half at a charge, whilst the loss by trituration is comparatively nothing.

4th. As an Amalgamator of gold contained in sulphurets, as also for very fine or flour gold, it has no equal.

5th. This Amalgamator involves no complicated machinery, and is less liable to get out of order than any of the pans.

Manufactured at the MINERS' FOUNDRY.

W. D. FARRAND, Inventor,

R. L. OGDEN, Agent, SAN FRANCISCO.

S. E. corner Montgomery and California streets.

v9-19

TO QUARTZ MINERS.

Hinkle's Centrifugal Pulverizer and Amalgamator!

THE ATTENTION OF MINERS IS RESPECTFULLY requested to HINKLE'S CENTRIFUGAL PULVERIZER AND AMALGAMATOR, now manufactured and to be seen in operation at the NOVELTY IRON WORKS of Mr. E. T. Heed, Nos. 37 & 39 Fremont street, between Market and Mission streets.

This machine is the best in the State for the purpose of Pulverizing and Amalgamating ORES. The whole machine, made entirely of Iron, will not exceed One Ton, and no piece of it will exceed 200 pounds, which makes it very convenient for transportation to remote districts. It will work Two Tons of Rock per day.

Mr. Hanson, who is running one of the machines, is an experienced Amalgamator, and will receive Ores at the above named place, and extract the metals and furnish assays for all persons wishing the same. The Subscriber is also perfecting a HAND MACHINE for Miners engaged in prospecting, which will work 25 pounds of ROCK at a time, and which will weigh about 125 pounds.

The Pulverizer and Amalgamator works Rock of the size of a grain of corn to an impalpable powder. Apply to

PHILIP HINKLE,

At the Novelty Iron Works, Nos. 37 & 39 Fremont street. 15-1m

Hudson's Improved Pump,

For sale and made to order any size desirable. Call and see.

Plumbing and Gas Fitting in all its Branches.

No. 33 Webb Street, Entrance on California or Sacramento, above Montgomery.

9-dfatf **A. J. SMITH,**

MINING AND SCIENTIFIC PRESS.—This well conducted journal has entered upon its ninth volume. It is a sterling periodical, and deserves encouragement.—*Territorial Enterprise*

In Local Affections no words can give a just idea of the comfort one of these plasters impart. They are the plaster of the day, and a fit type of our present advancement in science and art. In Asthma, Cough, Kidney Affections, and local deep-seated pains, they afford permanent relief. TRY ONE, and be convinced.

PRINCIPAL OFFICE,

T. ALLCOCK & CO.,
Brandreth's Building,
New York.

W. F. BRANDRETH,

OFFICE AT
Crane & Brigham's.
SAN FRANCISCO.

☞ **FOR SALE BY ALL DRUGGISTS.** ☜

9v25q

PREMIUMS.

1st Premium, at Sacramento Fair.....1862

1st Premium, at S. F. Bay District....1862

1st Premium at Sacramento.....1863

1st Premium, at San Francisco.....1864

1st Premium, for Cordials.....1864

1st Premium, for Hygienic Bitters....1864

Awarded to

23v9 **V. SQUARZA.**

Animas Silver Mining Company, Ventanas, District of San Dimas, State of Durango, Mexico.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, an assessment of one dollar per share was levied upon the Capital Stock of said company, payable immediately, in United States gold and silver coin, to the Secretary, at the office of the Company, No. 418 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

GEO. A. HILL, Secretary,
Office, No. 418 Montgomery Street, San Francisco, Cal.
dec3-23 4

Ashlund Mining Company, Moss Lode, San Francisco District, Arizona.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 16th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
L G Redfield	5	100	50 00
L G Redfield	6	20	10 00
L G Redfield	7	20	10 00
L G Redfield	8	20	10 00
L G Redfield	9	20	10 00
L G Redfield	10	20	10 00
B H Cottle	11	100	50 00
W Cunningham	15	5	2 50
W Cunningham	16	5	2 50
F J Hughes	20	10	2 50
F J Hughes	21	10	5 00
J J Kelly	24	20	10 00
J M Drish	25	5	2 50
J H Davis	31	20	10 00
E Fairman	32	5	2 50
George Sinclair	33	5	2 50
H Haacock	35	5	2 50
Jno Wilson	53	5	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of November, 1864, so many shares of each parcel of said stock as may be necessary will be sold at the salesroom of Edwards, McGrew & Olney, No. 626 Montgomery Street, on the 3d day of January, 1865, at the hour of 10 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. T. KNOX, Secretary.
Office, No. 613 Montgomery street. dec17-25

Bella Vista Gold and Silver Mining Company, Cacachillas District, Lower California.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 11th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
R S Edgecomb	64 65 66	18	$11 70
John Shirley	134 135 136 137 138 139	54	35 10
J B Lynde	148	18	11 70
H L Chamberlain	125	36	23 40
J P Molt	45 110 47	18	11 70
Mrs J Collius	10	5	3 25
John Thomas	153	25	16 25
Thomas Evans	164	25	16 25
Godfrey Hairitt	169	10	6 50
S B Thompson	171	20	13 00
R R Strein	172	25	16 25
W A Dana 75 75 77 78 77	144		93 60

And in accordance with law and an order of the Board of Trustees, made on the 11th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 31st day of December, 1864, at the hour of 2 o'clock P. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. FULLER, Secretary.
Office, No. 326 Clay street, San Francisco. [dec17-21

Bay State Gold and Silver Mining Company, Turuback District, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable on the 15th day of December, 1864, in United States gold and silver coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. F. HARRIS, Secretary.
Office, S. E. Corner of Second and Howard streets, San Francisco. dec17-25 4

Notice.

All those having claims against the Citizen's Coal Mining Company, Mount Diablo District, Contra Costa County, California, are requested to send in their claims or bills on or before the 7th day of January, 1865, to the Secretary, as none will be accepted after that date, the company being in liquidation, and ready to dissolve on or about that date. By order of the Board of Trustees.

E. J. PFEIFFER, Secretary
Office, Corner Post and Dupont street, San Francisco.

Comstock Gold, Silver and Copper Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 10th day of December, 1864, an assessment of $2.50 per share was levied upon the capital stock of said company, payable immediately in United States gold and silver coin, to the Secretary, at room No. 9 Mercantile Library Building, San Francisco.

Any Stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

CHAS. H. PLATT, Secretary.
Office, Room No. 9, Mercantile Library Building, N. E. cor. Bush and Montgomery sts., San Francisco. [dec10 24-4

Crown Point Ravine Gold and Silver Mining Company, Gold Hill District, Storey County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 21st day of November, 1864, the several amounts set opposite the names of the respective Shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
T R Diehl	120	112	$224 00
J H Muller	74	2	4 00
J H Muller	124	2	4 01
J H Marston	122	12	24 00
J H Marston	110	12	24 00
Chas Parrott	124	12½	25 00
Jas B Richardson	83	5	10 00
Jas B Richardson	131	5	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at salesroom of Edwards, McGrew & Olney, No. 626 Montgomery street, San Francisco, on the 7th day, of January 1865, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.
Office, Nos. 8 & 10 Government House, corner of Washington and Sansome Streets, San Francisco. dec24-26 8

Daniel Webster Gold and Silver Mining Company, Sacramento District, Humboldt County, Nevada.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 1st day of December, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said company, payable on the 2d day of December, 1864, in United States gold and silver coin, to the Secretary, in San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday the 31st day of December, 1864, will be advertised on that day as delinquent, and unless payment, shall be made before, will be sold on Saturday, the 14th day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JOHN J. SCOTCHLER, Secretary.
Office, No, 204 Front street, San Francisco, California.

POSTPONEMENT.—The advertisement of stock delinquent on the above assessment, is postponed until Saturday, the 7th day of January, 1865, and the sale thereof is postponed until Saturday, January, 21st, 1865. By order of the Board of Trustees. JOHN J. SCOTCHLER, Secretary.
dec10-24-4

El Toro Gold and Silver Mining Company Concordia District, Panuco, Sinaloa, Mexico.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 2d day of August, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Bouncy, George	90	7	$14 00
Boyd, J C	126	5	10 00
Boden, Penelope	127	8	15 00
Colbourne, Richard	07	7	14 00
Dayley, J C	117	10	20 00
Farwell, W B	82	5	10 00
Farwell, W B	83	5	10 00
Farwell, W B	84	5	10 00
Fox, H L	32	5	10 00
Fox, H L	33	5	10 00
Fox, H L	34	5	10 00
Greer, John	92	8	16 00
Hinckley, C E	80	7	14 00
Lammot, H D	35	5	10 00
Lammot, H D	36	5	10 00
Lammot, H D	37	5	10 00
Lawton, Franklin	115	25	50 00
Miller, J Frank	73	5	10 00
Miller, J Frank	74	5	10 00
Miller, J Frank	75	5	10 00
Miller, J Frank	108	7	14 00
Miller, J Frank	109	15	30 00
Struver, J	45	15	30 00
Selleck, Silas	20	15	30 00
Selleck, Silas	21	7	14 00
Silvertborn, W H	58	10	20 00
Silvertborn, W H	59	5	10 00
Soren, George S	41	2	4 00
Soren, George S	42	2	4 00
Soren, George S	43	2	4 00
Soren, George S	44	1	2 00
Schimp, J W	03	7	14 00
Tams, Sampson	38	5	10 00
Tams, Sampson	39	5	10 00
Tams, Sampson	40	5	10 00
Thrall, H H	85	8	16 00

And in accordance with law, and an order of the Board of Trustees made on the 10th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on Saturday, the 31st day of December, 1864, at hour of 11 o'clock A. M., of said day, to pay said delinquent assessments thereon, together with costs of advertising and expenses of the sale.

FORD H. ROGERS, Secretary.
Office, No. 617½ Montgomery street, San Francisco, Cal.

Empress Gold and Silver Mining Company, Gold Hill Mining District, Storey Co., State of Nevada.

NOTICE.—There are delinquent, upon the following described stock, on account of assessment levied on the 25th day of November, 1864, the several amounts set opposite the name of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Anna S Belleau	10	50	$50 00
Anna S Belleau	11	50	50 00
J C Belleau	17	50	50 00
A R Coryell	20	25	25 00
A R Coryell	25	20	20 00
A R Coryell	26	10	10 00
A R Coryell	27	10	10 00
O V Goureau	34	100	100 00
C P Johnson	39	10	10 00
M P Johnson	40	10	10 00
M P Johnson	42	10	10 00
L W Fisher	48	25	25 00
L W Fisher	49	25	25 00
Isaac Goldsmith	50	10	10 00
Isaac Goldsmith	51	10	10 00
James H Fuller	63	10	10 00
James H Fuller	65	10	10 00
James H Fuller	66	10	10 00
Anna S Belleau	68	20	20 00
Anna S Belleau	69	20	20 00
Anna S Belleau	72	10	10 00
Anna S Belleau	73	10	10 00
Anna S Belleau	74	10	10 00
Zoe C Belleau	77	20	20 00
Zoe C Belleau	78	10	10 00
Zoe C Belleau	70	10	10 00
Zoe C Belleau	80	10	10 00
Zoe C Belleau	81	10	10 00
R J Van Dewater	85	20	20 00
Wm H Rhodes	89	25	25 00
D W Perley	90	25	25 00
J H Latham	91	10	10 00
J H Latham	93	10	10 00
Chas C McLane	95	20	20 00
Chas C McLane	97	20	20 00
Chas C McLane	98	20	20 00
Chas C McLane	99	20	20 00
Chas C McLane	100	20	20 00
Chas C McLane	101	10	10 00
Chas C McLane	102	10	10 00
Chas C McLane	103	10	10 00
Chas C McLane	104	10	10 00
Chas C McLane	105	10	10 00
Chas C McLane	106	10	10 00
Chas C McLane	107	10	10 00
Chas C McLane	108	10	10 00
Chas C McLane	109	10	10 00
Chas C McLane	110	10	10 00
D Driscoll	114	10	10 00
D Driscoll	115	10	10 00
John Mallon	115	5	5 00
John Mallon	119	10	10 00
Samuel G Martin	118	5	5 00
J H Latham	119	20	20 00
J H Latham	120	5	5 00
C F Fargo	121	50	50 00
H J Brown	122	25	25 00
Frank Hereford	126	15	15 00
J H Latham	127	10	10 00
J H Latham	128	10	10 00
J H Latham	130	10	10 00
Frank Hereford	131	20	20 00
Frank Hereford	133	10	10 00
M Erlenbach	135	20	20 00
M Erlenbach	136	25	25 00
John S Dudley	138	5	5 00
C F Fargo	139	25	25 00
M F Game	141	5	5 00
Wm Alvord	143	10	10 00
S DeWolfe	144	25	25 00
M F Game	145	10	10 00
M F Game	146	10	10 00
M F Game	147	5	5 00
Richard Elliott	150	10	10 00
Richard Elliott	151	10	10 00
Pat M McRay	not issued 153	50	50 00
F Holmes	154	20	20 00
F Holmes	155	20	20 00
F Holmes	156	20	20 00
F Holmes	157	20	20 00
F Holmes	158	20	20 00
Duncan C McRay	159	25	25 00
Thos W Lyle	167	50	50 00
W A Piper	168	25	25 00
Jas H Fuller	169	10	10 00
Jas H Fuller	170	10	10 00
Jas H Fuller	171	10	10 00
Jas H Fuller	172	10	10 00
Jas H Fuller	173	10	10 00
L A Garnett	174	10	10 00
John Lakin	170	5	5 00
John Allman	177	10	10 00
C H Light	178	10	10 00
C F Fargo	179	50	50 00
C J Brenham	182	10	10 00
C J Brenham	183	10	10 00
J R Mc Raucey	180	10	10 00
Richard Elliott	187	10	10 00
Peter Cook	188	5	5 00
Charles Babb	189	10	10 00
Wm Alvord	190	10	10 00
David Norris	191	10	10 00

And in accordance with law, and an order of the Board of Trustees, made on the 25th day of November, 1864, so many shares of each parcel of said Stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, on the 26th day of January, 1865, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

RALPH EMERSON, Secretary.
Office, Room 5, No. 540 Clay Street, San Francisco. 27

Evening Star Gold and Silver Mining Company, Trinity District, Humboldt County Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of the said Company, held on the 21st day of December, 1864, an assessment of one dollar and fifty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday the 28th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 11th day of February, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.
Office, No. 710 Sansome street, San Francisco. dec31-27 4

Bound Copies for Sale.—Bound copies of Volume VIII, complete, of the MINING AND SCIENTIFIC PRESS, from January 1st to July 1st, can be procured on application to the office.

Fortune Mining Company, Mineral Spring District, Calaveras County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States Gold Coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 21st day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

THOS. C. McCALLAN, Secretary.
Office, No. 622 Clay street, San Francisco. [dec10-24-4

George Washington Gold and Silver Mining Company, Silver Mountain, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 12th day of December, 1864, an assessment (No. 3) of 50 cents per share was levied upon the capital stock of said company, for the months of December and January, payable immediately to the Secretary, or to S. A. HAWKINS, Superintendent, at Silver Mountain.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on the 4th day of February, 1865, at the office of the company.

Assessment No. 4 of 50 cents per share, for the months of February and March, 1865, due and payable as above on the 13th day of February, 1865. Any stock upon which said assessment shall remain unpaid on the 11th day of March, 1865, will be advertised on that day as delinquent, and sold on the 25th day of March, 1865, at the office of the company. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.
Office, No. 430 Montgomery street, San Francisco. 25

Gobernadora Silver Mining Company, San Antonio District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 17th day of December, 1864, an assessment of one dollar and fifty cents per share was levied upon the capital stock of said Company, payable on the 24th day of December, 1864, in United States gold coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 4th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

C. W. HAYDEN, Secretary.
Office, No. 522 Montgomery street, San Francisco.
dec24-26 4

Hudson River Copper Mining Company, O'Possum Bar District, Amador County, California.

The Annual Meeting of the Stockholders of the above Company, for the election of Trustees for the ensuing year, will be held on Thursday, January 12th, 1865, at 11 o'clock A. M., at the office of the Secretary, No. 728 Montgomery street, San Francisco. N. O. FRENCH, Secretary.
26-3

Keokuk Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of 10 cents per share was levied on the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin to the Secretary, at his office, No. 322 Front street.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday the 23d day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

A. B. WINEOAR, Secretary.
Office, 322 Front street. dec10-24-4

La Libertad Gold and Silver Mining Company, Cacachillas District, Lower California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 13th day of December, 1864, an assessment of 25 cents per share was levied upon the Capital Stock of said Company, payable on the 14th day of December, 1864, in United States gold and silver coin, to the Secretary.

Any stock upon which said assessment shall remain unpaid on the Saturday the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

WILLIAM VALE, Secretary.
Office, No. 36 Exchange Building, N. W. corner of Montgomery and Washington streets, San Francisco.
dec17-25-4

Mosquito Quartz Mining Company, Calaveras County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 19th day of December, 1864, an assessment of five dollars per share (one dollar per foot) was levied upon the capital stock of said Company, payable on the 20th day of December, 1864, in United States gold and silver coin, to the Secretary, at the office of the Company.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 6th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

O. PARDOW, Secretary.
Office, No. 15 Montgomery Block, San Francisco.
dec24-25-4

Bids for Contract.

Bids for contract to take out from Fifty to One Hundred Tons of Ore, from the claim of the ROSE GOLD MINING COMPANY, in Gentry's Gulch, Mariposa County, will be received. Said ore to be taken from a shaft on the claim, and from a level of eighty feet below the surface. Inquire of or address A. RUETELL, Secretary.
Office, No. 624 Market street San Francisco. 25-4

Mammoth Gold and Silver Mining Company, Rock Spring District, San Bernardino County, California.

NOTICE—There are delinquent upon the following described stock on account of Assessment levied on the 19th day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares	Amount.
Baldwin, M M	241	5	$5 00
Baldwin, M M	242	5	3 00
Babb, C G	273	10	6 00
Easter, W W	131	7 3-12	4 35
Franklin, E	169	10	6 00
Farrelly, R S	212	40 8-12	21 40
Harrington, G	165	10	6 00
Haines, E A	241	41	24 60
Livermore, E	263	81	48 60
Livermore, H P	265	81 8-12	49 00
Lynch, S	235	10	6 00
Leland, W J	260	5	3 00
McKean, H	281	20	12 00
McKay, J	282	4	2 40
McKay, J	283	30	18 00
Mott, P J	149	16 8 12	10 00
Malan, H W	223	10	6 00
Morris, M	262	20	12 00
Ober, Benj	224	10	6 00
Rowley, J B	156	2	1 20
West, R	140	25	15 00
Williams, C	259	2	1 20

And in accordance with law, and an order of the Board of Trustees, made on the 19th day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, on the 9th day of January, 1865, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment, together with costs of advertising and expenses of the sale.

GEORGE BOWER, Secretary.

Office, 611 Clay Street (room 8), San Francisco. 26

Mountain Gold and Silver Mining Company No. 1, Located at Silver Mountain, Alpine County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 3d day of December, 1864, at the office of the Company, Silver Mountain, an assessment of two dollar per share was levied upon the capital stock of said company, payable on or before the 3d day of January, 1865, in United States gold coin, to the Secretary, at his office, Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Tuesday the 3d day of January, 1865, will be advertised on the 7th day of January, 1865, as delinquent, and unless payment shall be made before, will be sold on the 25th day of January, 1865, at the office of the company, in the town of Silver Mountain, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

DE WITT C. RIDDELL, Secretary.

N. B.—All Stockholders in the above named company are requested to send their address to the Secretary, at Silver Mountain, Alpine County. 25

Mechanics' Gold, Silver and Copper Mining Company, Clayton District, Contra Costa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 8th day of December, 1864, an Assessment of five cents per share was levied upon the Capital Stock of said Company, payable on the 10th day of December, 1864, in United States gold coin, to the Secretary, at his office, No. 323 Front street.

Any Stock upon which said assessment shall remain unpaid on Saturday, the 7th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Monday, the 23d day of January, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees

A. B. WINEGAR, Secretary.

Office, No. 322 Front street, San Francisco. [dec10 21-4

Mammoth Gold and Silver Mining Company, Silver Mountain District, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 12th day Decemuber, 1864, an assessment of fifty cents per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, or to H. D. Scott, Superintendent at Silver Mountain.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1864, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 28th day of January, 1865, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

J. WARREN CLARK, Secretary.

Office, No. 430 Montgomery street (Room No. 5 up stairs), San Francisco. dec17-25-4

New Year Diggings Gold and Silver Quartz Mining Company, Tuolumne County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of fifty cents per share was levied upon the capital stock of said company, payable immediately, in United States gold and silver coin, to the Secretary.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 29th day of January, 1865, to pay the delinquent assessment, together with the costs of Advertising and expenses of the sale. By order of the Board of Trustees.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street, San Francisco. dec17-25-4

North Superior Copper Mining Company, Union District, Plumas County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 22d day of December, 1864, an assessment of forty cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold and silver coin, to the Secretary at the office of the Company, No. 338 Montgomery street, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday, the 4th day of February, 1865, at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, San Francisco, California, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

T. B. SHERMAN, Secretary.

Office, Room 12, No. 338 Montgomery street, San Francisco, California. dec24 26-4

Penn Silver Mining Company, Location of Mine, Tehachapi District, Lower California.

NOTICE.—There are delinquent upon the following described stock on account of assessment levied on the 21st day of July, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
M Knull	3	33 1 3	$100
Wm Faulkner		13 1 3	40
J H Welch	150	26 2 3	80
Estate of J J Todd	10	16 2 3	50
C A Parrinton	11	16 2 3	50
R C Jacobs	32, 137	39 1 3	119
J J Corrigan	153	31	93
J F Iverland	89	8 1-3	25
F G Norman	92, 150	14 2 3	44
Chas E Brownell	118, 1-9, 140	15 2 3	47
Miss M A Phillips	54, 55, 6, 86		
	67, 68	33 1-3	100
J O Eldridge	147	8	24
H C Wheeler	39	8	24
J W Sargeant	58, 59	33 1-3	100
Timothy Sargeant	60	16 2 3	50
Edson Samuels	87, 114	24 1 3	75
Mrs H A R Carter	155	3 1 2	10
Edgar Wakeman	84	8 1 3	25
J D Thompson	162	25	75
W J Leland	86, 94	6 1 2	10
Gilbert Palache	99, 100, 145	29 2 3	89
Mrs Anna Leland	73	2 1 3	7
P Van Pelt	104, 145	14	42
E S Cressey	110	8	24
Geo A Moore	111	3	9
D S Lord	90, 197	32	96
John Todd	105, 144	8 2-3	25
F F Mathews	134, 172	3	9
Geo L Faulkner		11 1-3	34
Mrs Anna B Davis	122	2	6
O F Tibbetts	120	8 1 3	25
S C Peck	124	4 1-6	12 50
H M Newhall	143	8	24
W P Peck	131	8 1-3	25
H J Tilden	129	4 1-6	12 50
Chas Geddes	151	1	3
James Delaney	152	2 1-3	7
H F Mathews	117	1	3
Hugh McGerriston	100	1	3
Mrs P J Adams	107	3	0
A H Hagadorn	168	8 1-3	25
Wm A Sublett	169	2	6
W H Baxter	173	57	171

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of July, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Jerome Rice & Co., No. 327 Montgomery st., San Francisco, on the 3d day of September, 1864, at the hour of 12 o'clock M., of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

GEO. L. FAULKNER, Secretary.

8 Office, of the Company 411 Clay St., San Francisco.

POSTPONEMENT.—The above sale is postponed until Saturday, October 1, 1864, at the same hour and place. By order of the Board of Trustees.

10 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is postponed until Saturday, October 29th, 1864, at the same hour and place. By order of the Board of Trustees.

15 GEO. L. FAULKNER, Secretary.

POSTPONEMENT.—The above sale is hereby postponed until Tuesday, January 31st, 1865. By order of the Board of Trustees. (18) GEO. L. FAULKNER, Secretary.

Rogers' Silver Mining Company, Flowery District, Storey County, State of Nevada.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 1st day of December, 1864, an assessment of two dollars per share was levied upon the capital stock of said Company, payable immediately in United States gold and silver coin, to the Secretary, at his office, No. 103 California street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Thursday the 5th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold at public auction on Monday the 23d day of January, 1865, at 12 o'clock M. of that day, by John Middleton & Son, at No. 400 Montgomery street, San Francisco, to pay the delinquent assessment thereon, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

JNO. F. POPE, Secretary.

San Francisco, Dec. 3, 1864. 23-4

Ruba Gold and Silver Mining Company, Reese River Mining District, Lander County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of assessment levied on the 21st day of November, 1864, the several amounts set opposite the names of the respective shareholders as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Claus Bonet	20	10	$10 00
Lawrence Jessen	22	10	10 00
Lawreuce Jessen	23	10	10 00
Lawrence Jessen	56	50	50 00
Lawreuce Jessen	57	50	50 00
Lawrence Jessen	58	12½	12 50
Lawrence Jessen	59	25	25 00
Lawrence Jessen	60	25	25 00
J J Hall	38	15	15 00
J J Hall	37	10	10 00
John Stimblo	50	25	25 00
John Stimhle	52	10	10 00
W Jacobi	54	15	15 00
W Jacobi	65	5	5 00
J E Furdy	62	15	15 00
E S Davis	34	15	15 00

And in accordance with law and an order of the Board of Trustees, made on the 21st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Maurice Dore & Co., No. 327 Montgomery street, on the 9th day of January, 1865, at the hour of 12 o'clock, M., of said day, to pay said delinquent assessment thereon, together with the costs of advertising and expenses of the sale.

WM. W. KNIGHT, Secretary.

Office, No. 36 Exchange Building, Northwest corner Montgomery and Washington street, San Francisco. dec24-26

Rose Gold Mining Company, Mariposa County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment (No. 2) of 25 cents per share was levied upon the capital stock of said Company, payable immediately United States gold and silver coin, to the Secretary, A. Buetell, No. 624 Market street, San Francisco.

Any stock upon which said assessment shall remain unpaid on Saturday, the 14th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 25th day of January, 1865, to pay the delinquent Assessment, together with costs of advertising and expenses of sale. By order of the Board of Trustees.

A. BUETELL, Secretary.

Office, 624 Market street, San Francisco. dec17-25 4

Santa Cruz Petroleum Oil Works Company— Located in Santa Cruz County, California.

Notice is hereby given, that at a meeting of the Board of Trustees of said Company, held on the 27th day of December, 1864, an assessment of fifteen cents per share was levied upon the capital stock of said Company, payable immediately, in United States gold coin, to the Secretary, at his office, No. 53 Montgomery Block, San Francisco, California.

Any stock upon which said assessment shall remain unpaid on Saturday the 28th day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Wednesday, the 15th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. FELL, Secretary.

Office, No. 53 Montgomery Block. dec31-27-4

St. Paul Gold and Silver Mining Company, Amador District, Lander County Nevada.

Notice is hereby given that at a meeting of the Board of Trustees of said company, held on the 12th day of December, 1864, an assessment of 50 cents per share was levied upon the capital stock of said company, payable immediately, in United States gold coin, to the Secretary, at his office, No. 710 Sansome street, San Francisco.

Any stock upon which said Assessment shall remain unpaid on Saturday the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 4th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

N. DUPERU, Secretary.

Office, No. 710 Sansome street. dec24-26-4

St. Clair Consolidated Mining Company, Smoky Valley District, Reese River, Nevada.

NOTICE.—There are delinquent, upon the following described Stock, on account of Assessment levied on the 15th day of November, 1864, the several amounts set opposite the names of the respective Shareholders as follows:—

Names.	No. Certificate.	No. Shares.	Amount.
L P Brooks	5 18	200	$200 00
Jaques Veiller	19 31	200	200 00
John Sharborn	36 37	50	50 00
W Beck	39 40	200	200 00
James Hunter	not issued	200	200 00
James Phelan	not issued	200	200 00

And in accordance with law, and an order of the Board of Trustees, made on the 16th day of December, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at the salesroom of Edwards, McGrew & Olney, on the 31st day of December, 1864, at the hour of 11 o'clock, A. M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of sale.

AUG. KUNAST, Secretary.

Office, No. 540 Washington street. dec17-25

United States Mining Company, Virginia District, Storey County, Nevada.

NOTICE.—There are delinquent upon the following described stock, on account of Assessment levied on the 21st day of November, 1864, the several amounts set opposite the names of the respective shareholders, as follows:

Names.	No. Certificate.	No. Shares.	Amount.
Anderson, W N	494	5	$5 00
Alexander, John F	108	10	10 00
Bennett, J L	62 63 64 65 66 67—ca 5	30	30 00
Cherry, J W	103	4	4 00
Collins, S M	275 276 277—ca 10	30	30 00
Collins, J S	278 279 280—ca 10	30	30 00
Foley, M	200 201 202—ca 10	30	30 00
Griffitts, T J	612	1	1 00
Goodrich, C B	69	4	4 00
Hunter, David	319	10	10 00
Hotz, Conrad	29 30 31—ca 10	30	30 00
Hughes, James	01	8	8 00
Heacock, Josiah	50	2	2 00
Knox, W D	214	10	10 00
Keyes, John	162	5	5 00
Lane, L C	29	2	2 00
Lachman, D	250	8	8 00
Marston, J H	01	40	40 00
Merrill, R A	370 371 541—ca 10	30	30 00
Miller, W J	376	10	10 00
Millor, W J	377	20	20 00
Muller, J H	36 37 38—ca 5	15	15 00
Mugan, Cathe	203	2	2 00
Murdock, Wm	210	2	2 00
Porter & Collins	269	50	50 00
Pollard, J M	95	2	2 00
Quink, R P	251	10	10 00
Riersou, A	262 263 264 265 266 267—ca 10	00	60 00
Rierson, A	283	2	2 00
Rierson, A		6	0 00
Sessions, E C		40	40 00
Stegeman, Henry	247	5	5 00
Swift, Jos	206	10	10 00
Taylor, Peter	576	10	10 00
Weed, G A	5 6 7 8—ca 10	40	40 00
Wallis, T K	12	2½	2 50

And in accordance with law, and an order of the Board of Trustees, made on the 21st day of November, 1864, so many shares of each parcel of said stock as may be necessary, will be sold at public auction at the salesroom of Edwards, McGrew & Olney, 626 Montgomery street, San Francisco, Cal., on the 7th day of January, 1865, at the hour of 12 o'clock M. of said day, to pay said delinquent assessment thereon, together with costs of advertising and expenses of the sale.

J. M. BUFFINGTON, Secretary.

Office, Nos. 8 & 10 Government House, corner Washington and Sansome Streets, San Francisco, Cal. dec24-26

United States Mining Company, Virginia District, Storey County, Nevada.

Notice is hereby given that the Annual Meeting of the above named Company will be held on Monday, December 26th, at 2 o'clock P. M., at the office of the Secretary, Nos. 8 & 10 Government House, corner of Sansome and Washington streets, San Francisco, Cal.

22-5 J. M. BUFFINGTON, Secretary.

Wilson Copper Mining Company, Garden Bar District, Placer County, California.

Notice is hereby given that at a meeting of the Board of Trustees of said Company, held on the 19th day of December, 1864, an Assessment of fifty cents per share was levied upon the capital stock of said Company, payable on the 20th day of December, 1864, in United States gold and silver coin to the Secretary, at the office of the Company, No. 611 Clay street, (Room 8) San Francisco, California.

Any stock upon which said Assessment shall remain unpaid on Saturday, the 21st day of January, 1865, will be advertised on that day as delinquent, and unless payment shall be made before, will be sold on Saturday the 4th day of February, 1865, to pay the delinquent assessment, together with costs of advertising and expenses of the sale. By order of the Board of Trustees.

W. L. KIRBY, Secretary.

Office, Room 8, No. 611 Clay street, San Francisco. dec24-26-4

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